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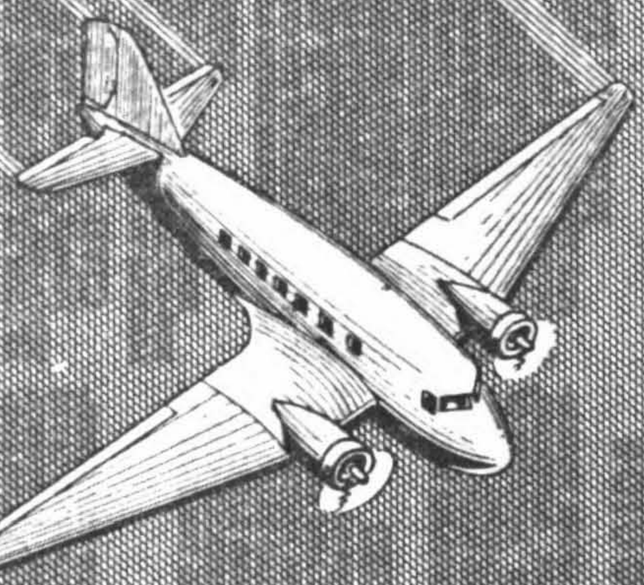
AIRMAN'S GUIDE



NOTICES TO AIRMEN
DIRECTORY OF AIRPORTS
AIR NAVIGATION RADIO AIDS

VOL. 2, NO. 6 ..... JUNE 10, 1947

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GUIDE CONTENTS

THE AIRMAN'S GUIDE IS A COMPOSITE DIRECTORY OF AIRPORTS, AIR NAVIGATION RADIO AIDS, AND NOTICES TO AIRMEN. ON THE DATA PAGES ARE TABULATED ALL THE DATA COVERING THE FACILITIES CHARTED ON THE BACKING PAGES. THIS PRESENTATION IS GRADUALLY BEING REVISED, HOWEVER, SO THAT EVENTUALLY THE DATA PAGES WILL FACE THE CHARTS.

INDEX OF FACILITIES

TO FIND THE NUMBER OF THE PAGE ON WHICH A FACILITY IS CHARTED, REFER TO THE INDEX OF FACILITIES BELOW. AS OUTLINED ABOVE, THE DETAILED DATA FOR THE FACILITY WILL BE FOUND ON THE DATA PAGE BACKING, OR FACING, THE CHART.

NEW DATA PRESENTATION

(A) ON THE DATA PAGES BACKING OR FACING THE CHARTS, NEW DATA OR REVISIONS ARE INDICATED BY ARROWS; (B) IN THE NOTICES TO AIRMEN SECTION, CITATIONS COVERING NEW OR REVISED RADIO DATA ARE PREFIXED BY ONE LARGE STAR " ★ " CITATIONS COVERING NEW OR REVISED AIRPORT, OR MISCELLANEOUS DATA ARE PREFIXED BY TWO ASTERISKS "**"

DATA PAGE NOTAMS

BECAUSE OF THE SERIOUS PAPER SHORTAGE, THE DATA PAGES, WHERE POSSIBLE, HAVE TO SERVE AS NOTAM (NOTICES TO AIRMEN) PAGES. RESULTANTLY, MOST OF THE NEW DATA FORMERLY NOTAMIZED IN THE NOTICES TO AIRMEN SECTION WITH PREFIXED LARGE STARS OR DOUBLE ASTERISKS ARE NO LONGER CARRIED IN THAT SECTION. ONLY COMMISSIONINGS, ABANDONMENTS, OR CHANGES SO POTENTIALLY HAZARDOUS THAT THEY ARE INDICATED WITH Ⓡ (FOR RED FLAG) SYMBOLS ON THE CHARTS, ARE NOW CITED IN THE NOTICES TO AIRMEN SECTION NOTAMIZING ON THE DATA PAGES IS EFFECTED BY THE USE OF PREFIXED ARROWS AS IN THE FORMER AIR NAVIGATION RADIO AIDS PUBLICATION. ANY CHANGES FROM THE PREVIOUS ISSUE, WHETHER CITED IN THE NOTICES TO AIRMEN SECTION, OR NOT, ARE INDICATED BY THE PREFIXED ARROWS. FOLLOWING ARE EXAMPLES OF CHANGES NOTAMIZED ONLY ON THE DATA PAGES: FIELD OBSTRUCTION, SERVICING, ELEVATION, LOCATION, AND RUNWAY LENGTH CHANGES BECAUSE OF THE USE OF THE PREFIXED ARROWS AS NEW DATA INDICATORS, A FURTHER INNOVATION HAD TO BE ADOPTED THIS IS A TINTED HORIZONTAL LINE FOLLOWING THE LAST TABULATED FACILITY AND TITLED EITHER NEW RADIO FACILITIES OR NEW AIRPORTS.

HOW TO USE THE AIRMAN'S GUIDE

NEW FACILITIES ON DATA PAGES

SPACE BELOW THE TINTED HORIZONTAL LINES ON THE DATA PAGES HAS BEEN RESERVED AS A SUPPLEMENT FOR NEW RADIO AIDS AND AIRPORTS WHOSE DATA WERE RECEIVED AFTER THE DATA PAGES WERE ORIGINALLY TYPED. REVISIONS TO EXISTING AIRPORTS AND RADIO AIDS ARE SUPER-IMPOSED ON THE OLD DATA. NEW AIRPORTS AND RADIO AIDS HOWEVER, ARE LISTED, NECESSARILY OUT OF ALPHABETICAL ALIGNMENT, BELOW THE TINTED HORIZONTAL LINES UNTIL THE PAGE IS RE-TYPED.

CHART NOTAMS

NOTAMIZING ON THE CHARTS IS EFFECTED BY USE OF THE SUPERIMPOSED Ⓡ AND Ⓞ SYMBOLS. THE Ⓡ (FOR RED FLAG) INDICATES A VERY HAZARDOUS CONDITION OR A MAJOR CHANGE. THE Ⓞ SYMBOL (FOR ORANGE FLAG) INDICATES A MINOR CHANGE OR HAZARDOUS CONDITION WITH THE FACILITY STILL USABLE WITH CAUTION. THE PERTINENT DETAILS TO WHICH THESE SYMBOLS REFER WILL BE FOUND LISTED IN THE NOTICES TO AIRMEN SECTION UNDER THE FACILITY NAME (AND STATE) BY WHICH THEY ARE CHARTED.

Ⓡ and Ⓞ SYMBOLS

THESE SYMBOLS WERE ADOPTED FOR SUPER-IMPOSITION OVER CHARTED FACILITIES TO INDICATE HAZARDOUS CONDITIONS AND COVERING NOTICES TO AIRMEN. THUS, IF A CHART USER NOTES NO SYMBOL ON THE FACILITIES HE IS PLANNING ON USING, THERE IS NO NECESSITY FOR HIM TO WADE THROUGH THE 30-ODD PAGE NOTICES TO AIRMEN SECTION

NOTICES TO AIRMEN SECTION

ALL TEMPORARY CONDITIONS (FIELD SOFT, RUNWAY UNDER CONSTRUCTION, RANGE COURSE OUT OF ALIGNMENT, ETC) ARE CITED IN FULL IN THE NOTICES TO AIRMEN SECTION UNTIL THEY ARE NO LONGER IN EFFECT. WHEN A CITATION CARRIES A PERMANENT ITEM AND A TEMPORARY ITEM, THE PERMANENT ITEM IS UNDERLINED. PARENTHETICAL DATE AT END OF ITEM INDICATES TIME ITEM WAS REPORTED. TO CONFORM TO CHART PRACTICE, ALL FACILITY DATA ARE LISTED IN THE NOTICES TO AIRMEN SECTION AND ON DATA PAGES ALPHABETICALLY BY STATES AND BY FACILITY NAME. THUS, AN AIRPORT WILL BE FOUND LISTED ALPHABETICALLY UNDER ITS OWN NAME RATHER THAN UNDER ITS LOCALE'S NAME. IF THE AIRPORT OR RADIO FACILITY NAME IS OTHER THAN THAT OF THE CITY IN WHICH IT IS LOCATED, THE LOCATION IS SHOWN IN PARENTHESIS AFTER THE FACILITY NAME.

SPECIAL NOTICES

NOTICES OF NATIONAL INTEREST, OF GREAT IMPORTANCE, OR OF NON-LOCALIZED NATURE, WILL BE FOUND AT THE BEGINNING OF THE NOTICES TO AIRMEN SECTION.

CIVIL FACILITY CHANGES: ADVISE WHOM

PLEASE ADVISE THE OFFICE OF AVIATION INFORMATION, ATTENTION A-260, C.A.A., DEPARTMENT OF COMMERCE, WASHINGTON 25, D.C. AS SOON AS TEMPORARY CONDITIONS COVERING CIVIL AIRPORTS OR NAVIGATIONAL AIDS BEGIN OR TERMINATE, OR FLIGHT HAZARDS ARE ERECTED OR REMOVED. FIELD DATA REVISIONS SHOULD BE SUBMITTED TO THE NEAREST C.A.A. DISTRICT AIRPORT ENGINEER.

TO ALL SUBMITTERS OF AIRMAN'S GUIDE DATA

AN UNDER-MANNED STAFF PREVENTS AN INDIVIDUAL ACKNOWLEDGMENT OF DATA SUBMITTED FOR THE AIRMAN'S GUIDE BY TELEGRAM, TELETYPE DESPATCH, OR LETTER. YOUR COOPERATION IN PERMITTING A GUIDE CITATION TO SUFFICE AS AN ACKNOWLEDGMENT WILL BE APPRECIATED.

INDEX OF FACILITIES

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FM - FAN MARKER
H - NON-DIRECTIONAL RADIO BEACON
R - RADIO RANGE
T - AIRPORT WITH CONTROL TOWER

N.B. ALL FACILITIES WITHOUT A LETTER SUFFIX ARE AIRPORTS. NAMES NOT FOLLOWED BY A NUMBER SUFFIX ARE NOT AIRPORTS BUT MERELY GEOGRAPHICAL LOCATIONS.

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" East Side (27)
Worland (26)

NEW FACILITIES: Bristol,Va.,Combs (93) Spokane, Wash.,Manito(3) Seattle,Wash..Bellevue (143),Lovell,Wyo.,Mun. (7) Meeteetse,Wyo.,Mun.(7) Shoshoni,Wyo.(26) Hurricane,Utah (79) Beaver,Utah (79) Marysville,Wash..Marysville Bay Meadows (2) Iron River,Wis..Union (14) Colchester,Vt..Champlain (18) East Montpelier, Vt.,Fairmont (18) Middlebury, Vt. (55) Thetford,Vt.,Post Mills (55) St. Albans,Vt.,Point Hill (18) Spencer,Wis.(14) Elma,Wash.(2) Mossyrock,Wash.(2) Montesano,Wash.,Summit(2) Laramie,Wyo.(26) Moran,Wyo..Signal Mt. (23) Vernon,Tex..Arpk (107) Berlin,Wis.(15,31) Boscobel,Wis.(29) Coloma,Wis.(15,31) Lancaster,Wis.,Fly.Svc.(29) Lemonweir,Wis..Mauston (29) New Lisbon,Wis.,Tucker Fly.Svc.(31) Owen,Wis.(14,31) Platteville,Wis..Platte (31) Rothschild,Wis.,Wisconsin Valley (15,31) Shell Lake,Wis.(14) Thorp, Wis.(14) Thorpe,Wis.,City (14) Wonewoc,Wis.,Castle Rock (31) College Place,Wash.,Sky Ranch (3)

GCA AVAILABLE: How and Where

GROUND CONTROLLED APPROACH (GCA) AVAILABLE TO CIVIL PILOTS AS WELL AS ARMY AND NAVY: All GCA facilities (Army, Navy, or CAA) are available to any plane in emergency. To secure GCA assistance pilots should call the associated control tower for instructions.

In addition to the working frequencies listed below, Army and Navy GCA emergency VHF transmissions are made on 140.58 mcs. Simplex service on 3117.5 kcs will be provided at all Army and Navy installations to provide an alternate means of communications for scheduled air carrier aircraft. Army and Navy towers will relay GCA instructions on 200-400 kcs band to civil aricraft not equipped to receive VHF or HF.

A minimum of 30 minutes will generally be required to assemble a GCA crew and prepare the equipment for operation AFTER an alert has been received at those locations not providing continuous service.

NAVY GROUND CONTROLLED APPROACH (GCA): Universal **frequencies allocated** primarily for Navy GCA operational **use**, transmitting **and receiving, are as follows:**

HF Communications: 3475,4890,6640 kcs.

VHF Communications: 134.64,142.02,143.64 mcs.

Navy GCA Units shall **be prepared to control aircraft on** the **interim** U.S. emergency **frequency,** 140.58 **mcs, transmit and receive. Use of this frequency should be** restricted **to emergencies and routine check of communication equipment.**

In addition to above, Navy GCA Units will be prepared to transmit on HF from 2000 to 18100 kcs, and receive on 1500 to 9050 kcs to aid any plane in emergency.

To promote flight safety, the Navy Department has made its GCA facilities available **to civil aircraft for emergency use. Practice approaches by civil aircraft is restricted to multi-engine aircraft because of personnel and equipment limitations. Navy GCA Units shall be prepared to control scheduled aircarriers in emergencies on 140.58 mcs and 3117.5 kcs, transmit and receive. In addition arrangements shall be made to transmit GCA control instructions on tower low frequency either directly or by relay** through **the tower to aircraft in distress and not able to receive on any other frequency.**

Call signs for all Navy GCA Units are the name of the field plus "GCA". Example: "Norfolk GCA".

ARMY GROUND CONTROLLED APPROACH (GCA): (a) CONTACT: Pilots requiring GCA assistance should call the associated control tower requesting instructions for working GCA. Example: "Andrews Tower, this is Army 5555, request GCA". (b) TOWER **INSTRUCTIONS:Control towers will ascertain frequencies available to both** pilot and **GCA, advise the pilot and establish contact with the GCA unit. Example: "Army 5555, this is Andrews Tower, do you have channel G, over". "Andrews Tower, this is Army 5555, channel G available, over". "Army 5555, this is Andrews Tower, establish contact with GCA on channel G, out". "Andrews GCA, this is Army 5555, over". "Army 5555, this is Andrews GCA, your position is now etc.....". (c) EMERGENCY: When receiver and transmitter difficulties exist, the tower may relay Ground Controlled** Approach **instructions to the pilot. However, from a safety standpoint the procedure** should **be used as an emergency contingent only. (d) ALERTING GCA: After being inoperative, GCA units require approximately 20 to 30 minutes for warming up. Pilots should anticipate requirement for GCA in flight planning and request alerting of GCA units as far in advance as possible.**

C.A.A. GROUND CONTROLLED APPROACH (GCA): The C.A.A. has control tower-operated GCA units at Washington National Airport, Chicago Airport. The Indianapolis GCA unit is not remoted to the tower. **The La Guardia Field unit will be commissioned in the immediate future.** The C.A.A. installations, however, are operating on a service test or experimental basis only, and for operator training, and can be used only for practice approaches and landings until further notice. No emergency landing service is available until these units are officially commissioned.

STATION	FREQUENCIES		REMARKS
	Transmitting	Receiving	
Chicago Arpt, Ill.	350 kcs;109.5, 126.18 mcs.	3105,4495,6210, 3117.5 kcs;126.18, 118.1,118.7,122.5mcs.	Continuous
Indianapolis Arpt, Ind.	212 kcs;126.18 mcs.	3105,3117.5,4495, 6210 kcs;126.18mcs.	0800-1600 Mon. thru Fri.
CAA GCA Units (cont.)			
LaGuardia Fld,N.Y.	118.7 mcs	3105,6210,3117.5 kcs, 118.7,140.58 mcs.	Opers 24 hrs during CFR.Ctc twr 20 mi. out before using.
Washington Nat.Arpt,D.C.	Ctc twr for GCA working freq.		Opers CFR only. Not for emerg use.

NAVY GCA OPERATIONAL UNITS

LOCATION	FREQUENCIES		REMARKS (Weather minimums; hrs. of oper)
	Transmitting	Receiving	
Atlantic City NAS, N.J.	*,275 kcs	+	200', 1/4 mi.30-min.not.
Cherry Point MCAS, N.C.	*	+	300',1/2 mi.30-min.not.
Corpus Christi NAS,Texas	*,126.18,128.70 142.74 mcs,248kc	+,126.18,128.70 142.74 mcs.	100',1/2 mi.30-min.not.
El Toro MCAS, Calif.	*	+	30-min. notice.
Jacksonville NAS (Lee Fld) Fla.	*	+	200',1/2 mi.15-min.not.
Miramar MCAS, Calif.	*	+	200',3/4 mi.30-min.not.
Moffett Fld NAS, Calif.	*	+	100',1/2 mi.Continuous.
New York NAS (Floyd Bennett), N.Y.	*,388 kcs	+	100',1/4 mi.30-min.not.
Norfolk NAS, Va.	*,323 kcs	+	200',1/2 mi.30-min.not.
Oakland NAS,Calif.	*	+	100',1/4 mi.30-min.not.
Olathe NAS, Kans.	*	+	100',1/4 mi.30-min.not.
Patuxent River NAS,Md.	*,347 kcs	+	100',1/4 mi.Continuous.
Quonset Point NAS, R.I.	*	+	100',1/4 mi.30-min.not.
Saufley Fld NAAS, Fla.	*	+	100',1/4 mi.30-min.not.
Seattle NAS, Wash.	*,230 kcs	+	100',1/2 mi.30-min.not.
Squantum NAS, Mass.	*	+	200',1/2 mi.30-min.not.
Whidbey Island NAS, Wash.	*,278 kcs	+	100',1/4 mi.30-min.not.

Standard freqs = 3475,4890,6640 kcs; 134.64,142.02,143.64 mcs.
* Standard, 3117.5 kcs,140.58 mcs, & HF from 2000 to 18100 kcs.
\+ Standard, 3117.5 kcs,140.58 mcs, & HF from 1500 to 9050 kcs.

ARMY GCA FACILITIES

LOCATION	FREQUENCIES		REMARKS
	Transmitting	Receiving	(Hrs. of operation,etc.)
Fairfield-Suisun AAF, Calif.	HF, VHF. 3117.5 kcs, 131.4 mcs.	350,3117.5 kcs or any freq between 1500-18000 on req	Cont during IFR;0900-2100 Mon-Fri;30-min notice other times.
Barksdale Fld, La.	HF, VHF	VHF,3117.5,4495, 6210 kcs, 116.1 mcs.	0800-1700 Mon-Fri;cont. during IFR; 40-min. notice other times.
Westover Fld,Mass.	137.88,140.58, 134.1,137.7 mcs.	137.88,140.58, 134.1,137.7 mcs; 3117.5 kcs.	On training status only. Should not be used for actual inst. low approach.
Andrews Fld, Md.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,4495,3117.5, 3105,6210 kcs, 116.1 mcs.	Cont during IFR;0800-1700 CFR;30 -min. notice other times.
Clinton Co. AAF, Ohio	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,116.1 mcs, 1500-18000 kcs.	Cont during IFR;0800-2200 CFR; 30-min. notice other times.
Langley Fld, Va.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF, 3105,3117.5, 4495, 6210 kcs, 116.1 mcs.	Cont during IFR;0800-1630 CFR; 40-min. notice other times.
Mitchel Fld, N.Y.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,3105,3117.5, 4495,4765 kcs, 116.1 mcs.	Cont. during IFR;training flights 0900-1130 & 1300-1630 during CFR; 40-min. notice other times.

HF= 3475, 4890,6640 kcs. VHF = 126.18,134.1,137.7,137.88,140.58 mcs.

N.B. Weather minimums: **For clearance purposes minimums established** in TO-08-15-3 or AAF Regulations **60-16** apply.

N.B. Pilots desirous of making practice GCA approaches **should** make their **own arrangements with the tower** concerned.

AIR NAVIGATION RADIO AIDS

LEGEND

(3) - Station guards 3105, 4495, 6210 kcs
(4) - Station guards 3105, 4495, 6210, 3117.5 kcs.
(7-24) - Hours of operation (7 A M. to midnight) on a 24-hour clock basis
→ - New or revised data*

RADIO CLASS DESIGNATIONS

AC.....Approach Control Tower, CAA
B.....Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited)
C.....Control Tower, CAA
CA.....Control Tower, Army
CI.....Control Tower (City,County,Private, etc.)
CN.....Control Tower, Navy
D.....Distantly controlled
FM.....VHF fan type marker (100 watts)
FMHW.....Non-directional radio beacon when combined with fan marker.
GCA.....Ground control approach system
H.....Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System (voice on localizer channel)
IM.....VHF boundary marker
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
MH.....Non-directional radio-beacon (homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts.
MM.....VHF middle marker
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50 less than 150 watts
MRL.....Range (loop radiators), power more than 50 less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within 5,5 miles of middle marker
P.....Point to point radio
RA.....Range (adcock, vertical radiators), power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous (range signals and voice) type of transmitter
T.....Teletype
TX.....Principal teletype
V.....Additional voice feature on VHF
VAR.....Visual-aural VHF range (every VAR has simultaneous voice feature)
W.....Without voice facilities
Z.....VHF station location marker at a range station

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE •—	E-EASY •	I-ITEM ••	M-MIKE ——	Q-QUEEN ——•—	U-UNCLE ••—	Y-YOKE —•——
B-BAKER —•••	F-FOX ••—•	J-JIG •———	N-NAN —•	R-ROGER •—•	V-VICTOR •••—	Z-ZEBRA ——••
C-CHARLIE —•—•	G-GEORGE ——•	K-KING —•—	O-OBOE ———	S-SUGAR •••	W-WILLIAM •——	
D-DOG —••	H-HOW ••••	L-LOVE •—••	P-PETER •——•	T-TARE —	X-XRAY —••—	

1 •————	3 •••——	5 •••••	7 ——•••	9 ————•
2 ••———	4 ••••—	6 —••••	8 ———••	0 —————

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission) 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered non-directional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles. These are now shown as "MHW" facilities.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency, and generally, VHF of 116.1 and/or 111.1 mcs. 116.1 mcs. is used for transmission to Army aircraft, 111.1 mcs. to civil aircraft.

The classification designation "B" denotes that the station broadcasts meteorological and notice to airmen information on a scheduled basis at 15 & 45 minutes past each hour unless otherwise cited

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW RADIO FACILITIES, BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

N.B. For Digest of A.T.C. and Communications Procedures, see *FLIGHT INFORMATION MANUAL*

AIRPORT DATA
LEGEND

(When city and airport names are identical, the airport name is omitted in the interest of space-conservation)

(A)	Airport name	(A) -	Owned or leased totally by Army
(N)	"	(N) -	" Navy
(CG)	"	(CG)-	" Coast Guard*
(NG)	"	(NG)-	" National Guard
(A)	"	-	Open to civilians but owned or leased wholly or in part by Army, Air Reserve, Army svcg. detach. or contract ops usually available.
(N)	"	-	Open to civilians but owned or leased wholly or in part by Navy.
(CG)	"	-	" Coast Guard.
(G)	"	-	" WD or State Govt, for Air Nat'l Guard. Ltd svcg. and main. for transient military acft.
(P)	"	-	Civil airport opened to military acft. (See Note 3)
(E)	"	-	CAA Intermediate Field

CLASS

SIZE

4h: Length of longest landing strip (unpaved) in hundreds of feet
4h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl")

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-ranging winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Two, prior knowledge that there is, for example, a NW/SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station
R2: Range (or homing device) and tower
R3: Range (or homing device), tower, and instrument landing system

LIGHTS

L1: Incomplete lighting, either flood or portable runway lights
L2: Beacon only
L3: Beacon and boundary
L4: Beacon, boundary, and obstruction
L5: Beacon, boundary, obstruction, and flood
L5: Beacon, boundary, obstruction, flood, and runway contact
(L5): Identical to L5 except that runway contact lights are high intensity
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach
(L6): Identical to L6 except that instrument approach lights are high intensity

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

SERVICING

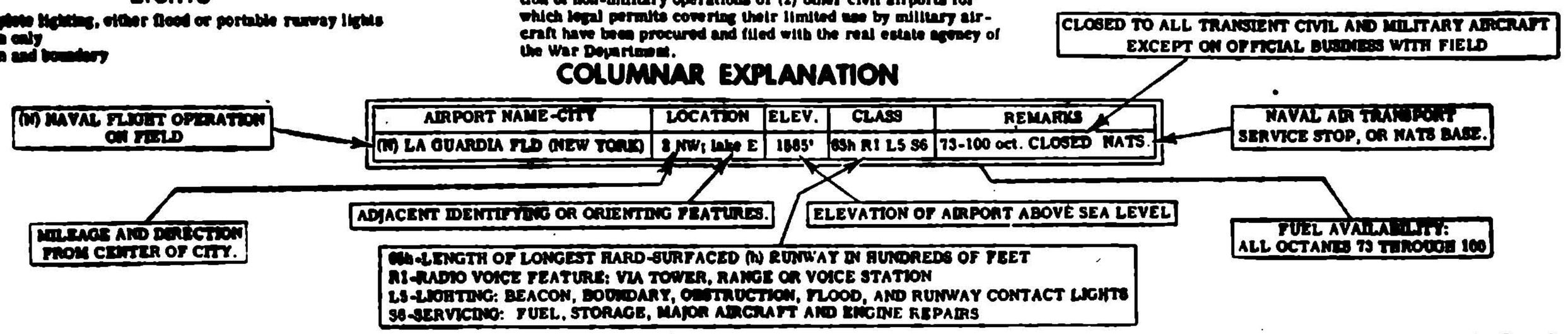
S1: Fuel
S2: Fuel, storage
S3: Fuel, storage, minor aircraft repairs
S4: Fuel, storage, minor aircraft, and minor engine repairs
S5: Fuel, storage, major aircraft, and major engine repairs
S6: Fuel, storage, major aircraft, and major engine repairs

N.B Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant Frequently, servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class, comparable to, for example, "1S S1" "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class column should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1 "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify
2. → New or revised data. *
3. "(P)" in CITY-AIRPORT NAME column indicates: (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the U.S. Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4 "Effingham Int., 10, LS-ID" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int."
5. In Location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
(a) "91 oct.", indicates fuel octane available. "Army", or "Navy" following octane indicates Army or Navy contract fuel available.
(b) "CLOSED" indicates closed to all civil aircraft and all transient military aircraft except on official business this station or in emergency
(c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
(d) "TEMP INACTIVE. NO FACS." indicates AAF airfields used either exclusively by the AAF or municipal airfields used jointly by the AAF and civil interests at which both the Army and the civil interests are inactive Such airfields will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned (See Special Notice).
(e) "ARMY TEMP INACTIVE. CIVIL FACS." indicates municipal airfields used jointly by the AAF and civil interests at which the Army facilities are inactive but civil facilities are available Such fields may be used by military aircraft, however, only commercial service is available.
(f) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency Only those private fields that are clearly identifiable from the air as airports are listed. Thus many personal use fields are not covered in the Guide because they are not marked or are too small
(g) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example On the other hand, all pole lines within at least a 15-1 glide angle are indicated.
(h) "Fld lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter It must be remembered that most fields do not have 24-hour operation Accordingly the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
(i) "FEE" indicates landing fee for private aircraft
7. Airline stop airport names are capitalized or bracketed

COLUMNAR EXPLANATION



AIRPORT NAME ABBREVIATIONS

(A)	- Army Field	LTA	- Lighter than Air	NAAS	- Naval Aux Air Station	NPG	- Naval Proving Grounds
AAB	- Army Air Base	MCAS	- Marine Corps Air Station	NAF	- Naval Air Facility	OLF	- Outlying Field (Navy)
AAF	- Army Air Field	MCAAF	- Marine Corps Aux. Air Facility	NAS	- Naval Air Station		
CGAS	- Coast Guard Air Station	N	- Navy Field	(NG)	- National Guard		

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW AIRPORTS BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT. ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP

FLIGHT PLANNING CHARTS

LEGEND

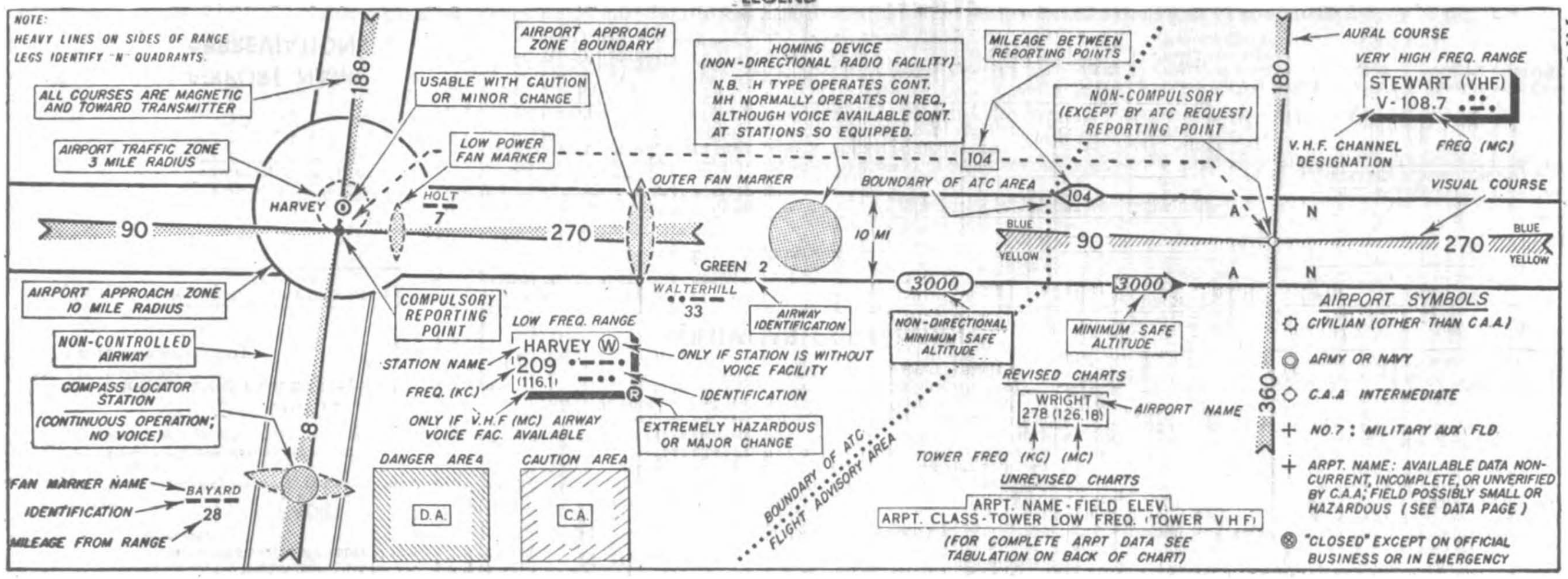


CHART CONTENTS

The Flight Planning Charts, in addition to the warning (R) and caution (O) symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages: (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways. These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE AND USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled (R) or (O) items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new field, abandoned fields, range frequency changes, etc., are currently reflected on the charts For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

VHF CHANNEL LETTER DESIGNATORS

Channel letter designators are being shown on the Flight Planning Charts herein only as an aid to pilots in their use of unmodified military equipment. It is emphasized that not all very-high frequencies now in use have channel letter designators. Standardization of air-borne equipment in this respect has not been effected, nor is it expected to be along the lines of one-letter designators because of the large number of frequencies which eventually will be in use.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol (R) for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol (O) for orange, or caution.

RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

Warning

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

Loop ranges (such as ML, RL, MRL without simultaneous feature) are not suitable for DF and ADF operations. DF or ADF use should be restricted to simultaneous type of range stations and commercial broadcast stations.

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASTORIA (Clatsop)	323 (AST)	MRLZ; 99°, 6.9	3105,6210 (7-17) Oper by Port of Astoria.
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°, 7.5	Tillamook NAS
EUGENE (Mahlon Sweet)	251 (EU)(116.1)	SBRAZ-DTV, 150°, 4.5	(4); 116.1 (ILS-W)
PORTLAND	332(PD)(vhf)	SBRAZ-DTV, 171°, 3.1	(3);116.1,122.1
REDMOND (Roberts)	368 (RG)(116.1)	SBRAZ-DTV, 101°, 4.3	(4);116.1
THE DALLES	230 (ND)(116.1)	SBRAZ-DTV, 251°, 2.8	(4); 116.1
TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105, 4495
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3);142.74(8-sunset later on req)
WILLAMETTE FM	(- -)	FM, 176°, 20.6	Portland

WASHINGTON

BELLINGHAM	209(JJ)(116.1)	SBRAZ-DTV, 114°, 2.9	(4); 116.1
CAMANO ISLAND FM (Navy)	(- -)	FM, 123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 62	Seattle
EASTON FM	(- - - -)	FM, 270°, 37	Ellensburg
ELLENSBURG (Bowers)	385(EB)(vhf)	SBMRAZ-DTV, 270°, 2	(4);116.1,122.1
EVERETT (Paine)	224(MI)(vhf)	BMRLZ-DTV, 330°, 3.1	(4);116.1,122.1
HOBART FM	(- -)	FM, 88°, 15	Seattle
LA CENTER FM	(- - - -)	FM, 331°, 12	Portland, Oreg.
LAKEVIEW FM	(- - -)	FM, 175°, 25.5	Seattle
McCHORD (Tacoma)(Army)	272 (DTA)	BMRL; 26°, 1.7	
MOUNT VERNON OLF	3295 (126.18) (142.74)	CN	3105,4495;126.18,142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
SEATTLE (King County)	260 (SA)(116.1)	SBRAZ-DTXV; 296°, 2.8	(3);116.1,122.1
STEVENSON FM	(. . -)	FM, 63°, 32	Portland, Ore.
TOLEDO (Int.)	239(GL)(vhf)	BMRLZ-DTV, 236°, 2.8	(4);116.1,122.1
WASHOUGAL FM	(-)	FM, 63°, 17.5	Portland, Ore.
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74, 126.18)	CN(GCA); 303°, 3.3	(3);142.74,126.18 Tr. and gds 116.1, 140.58 on req.
WHIDBEY ISLAND NAS (Navy)	522 (K)	MH	(4) cont.
Whidbey Island NAS (Seaplane)	2870 (142.74)	CN	(3) ;3155;142.74 (24 hrs advance notice)
WOODLAND FM	(. - - - - -)	FM, 331°, 23	Portland, Ore.
YAKIMA	320(YA)(vhf)	BMRLZ-DTV	(3); 116.1, 122.1
Yakima Co. Airport	278 (118.5)	LC; 267°, 4.7	(4); 118.5,122.5,142.74

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MAHLON SWEET (L6)	109.9	333.8	159°	IM-	MM- ·-·- (0.63)	OM- -- (4.5)	
					MMK-		OMK-

S-Simul. Range and Voice; W-Without Voice; V-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice +/—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW;RR E	267	33 S4	80 oct.
Albany	2.5 NE;RR NW	235	26 S6	80 oct. P-line SW. Trees S,SW.
* Arlington Int, 12B, PD-SM	1.4 ENE;riv NW	872	50 L3	
Bend	5.5 ENE;hwy S	3429	40 S6	80,91 oct. Pwrline SE. Use strips.
Clatsop Co. (Astoria)	3.5 W;riv E	10	57h R1	
Coastway School of Aeronautics (Tillamook)	1.4 E	55	29 S6	80 oct. Ctn when wet.
(P) Corvallis	4.9 SSW;hwy E	235	52h S6	80,91 oct.
Corvallis Junction	1.3 NNE;RR W	240	20 S6	80 oct.
Dallas	1.2 N;RR S	372	23 S2	80 oct. ENE,WSW blkd.
Eugene Airpark	1.6 SW;rd W	420	28 S6	80,91 oct.
Harrisburg	2 NNE;RR E,W	300	25 S4	80 oct.
Hood River	2.5 S;riv E	605	19 S1	80 oct
Langmack (Sweet Home)	2 E;hwy N	550	24	80 oct. Poles W.
Lebanon	1.3 SW; RR E	340	36 S6	80 oct.
Madras	2 NNW;RR SE	2420	74h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
MAHLON SWEET (Eugene)	8 NW;RR NE	365	52h R3 L6	No tower.
McMinnville	3.1 ESE;hwy N	156	50h S6	80 oct. Trees SW.
(P) McNARY (Salem)	2.2 SSE;RR SW	207	55h L5 S6	80,91 oct. No sto.
(P) Newport	4 S;ocean W	160	51h L5 S4	80 oct. No sto. Lgts on req.
Prineville	2.9 SW;hwy SW	3240	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW;RR E	195	23 S1	80 oct. Cattle on fld.
(P) Roberts (Redmond)	1.5 SE;hwy N	3075	70h L S6	80,91 oct. Temp rnwy lgts on req.
Santiam Junction Flight Strip (Idanha) (NC)	21.5 SSE;hwys N	4000	30	Trees W, E.
Sky Haven (Brooks)	See Sky Acres under "New Airports" - name changed.			
(P) The Dalles	1.7 NE	239	51h R1 L5 S6	80,91 oct.
(N) Tillamook NAS (N)	3 SE;riv N	35	50h R2 L5 S4	91 oct. Used by LTA,HTA.
Vernonia (NC)	2.4 WSW;riv S	620	29	Obst sur fld.
Wasco	0.4 E;RR SW	1420	18 S1	Ltd 80 oct.
Willamette Arpk. (Eugene)	4.8 W	420	25 S1	80 oct.

WASHINGTON

(N) Arlington Aero. School	3 SW;hwy W	129	53h L5 S6	80,91 oct. Rnwy lgts prior req.
Barker & Dean (Mt. Vernon)	2.2 S;RR,riv W	4	20 S4	73,80 oct. Trees NW. ARPT OF ENTRY
(P) BELLINGHAM	4.5 NW;hwy E	158	50h R1 L5 S6	80,91 oct. Fld lgts prior req.
Blaine	0.5 E;RR W	15	15 S1	80 oct. P-line SSE. Ctn when wet.
(P) Bowers (Ellensburg)	2,5 NE;hwy S	1767	59h R1 L5 S6	80,91 oct. Ctc lgts prior req.
Cameron (Kittitas)	0.5 N;RR S	1650	26	
(P) Chehalis Co.-City	0.6 NW;RR E	174	50h S6	80 oct. No sto.
Clallam Co. (Port Angeles)	3.2 WNW	290	52h S6	80 oct.
Cle Elum	2.4 E;hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW;hwy ESE	110	33 S6	80,91 oct. P-line WNW. Trees ESE.
(N) Coupeville OLF (N)	2 SE	193	54h	CLOSED. ARPT OF ENTRY.
* Easton Int, 5B, SA-HL	1.7 NNW;RR SW	2221	30 L2	Trees, mtns WNW.
Everett	3,5 NNE;riv N	15	21 S2	80 oct. P-line W. Ctn winter.
(P) Fancher (Wenatchee)	2.5 NE;hwy S	1440	33h L5 S6	80,91 oct. Fld lgts prior req. P-line SE.
Forks (NC)	1 SW;rd S	286	23 S1	80 oct. Trees ENE,WSW. HAZARDOUS
Goldendale (NC)	0.6 SE;RR W	1600	20	Pole line E,SE. Ditch center. HAZARDOUS.
Ilwaco	1,5 ENE;Bay S	8	20 S2	80 oct.
Intercity, USFS (Winthrop)	4 SSE;riv SW	1650	32 S1	80,91 oct. Mtns SE.
Kelso, 61A, SF-SA	1.4 S;RR SW	25	29 L3 S6	80 oct.
Kenmore (Bothell) (NC)	2.3 NW;rd E	420	17	12-14' brush NNE,SSW.
(P) Moon Island (Aberdeen)	6 W;harb N,S	14	50h L5 S6	80, 91 oct.
(N) Mount Vernon OLF (N)	5 NW;RR S	146	53h R1	Pole line N. CLOSED.
Olympia	4,5 S;hwy E	190	50h S4	80 oct. Trees W.
Orcas Island (East Sound)	0,7 N;hwy E	25	24 S2	80,91 oct.
(P) Paine (Everett)	6.5 SW;hwy NE	598	65h R1 L5 S6	80 oct. Fld lgts prior req.
PANGBORN (Wenatchee)	5.3 ESE;hwy S	1246	46h L5	Contact lgts prior req. Mtns N,E.
Pasayten, USFS (Winthrop) (NC)	38 NW;riv E	4250	28	Use in emerg. only. Clsd to public.
(CG) Port Angeles CGAS (CG)	2 NNE	13	45h R1 L5 S1	91,100 oct Lgts prior req.
Quillayute	0.7 NNW;	195	50h	8 mi. W of Forks.
(N) Shelton NAAS (N)	See Mason County Arpt under "New Arpts" - name changed.			
Skagit Valley Air Svc. (Burlington)	0.7 S;RR E	35	20 S1	80 oct. Pwrline S. Use strips only.
Snohomish	0.9 SW;RR N	16	30h S6	80,91 oct. Rnwy data unver. Poles ESE.
Snoqualmie Pass (North Bend)	3.5 ESE;hwy S	680	19	Trees WNW, ESE. (NC)
* Toledo-Winlock Int, 63B, SF-SA	3 NE;hwy W	371	51h R1 L3 S2	80, 91 oct.
Toppenish	3.2 SSW;hwy E	835	32 S3	80 oct.
Twisp	1.9 SE;riv S	1620	19 S1	80 oct. Hills NNW.
Westport (NC)	0.5 N;harbor E	5	18 S1	80 oct. P-lines NW. Ctn.
(N) Whidbey Island NAS (N)	3 NW Oak Harbor	17	70h R2 (L6) S2	91, 100 oct.
YAKIMA COUNTY	2,8 SSW	1058	50h R2 L5 S6	80,91,100 oct. Pole line S.

NEW AIRPORTS

Sky Acres (Brooks, Ore.)	1.6 NE;RR W	180	20 S1	Ltd 80 oct.
Seaside (Oregon)	1.5 NE;RR W	6	17 S4	80 oct. No sto.
Marysville Bay Meadows Arpk (Marysville, Wash.)				Very dangerous appchs.
Springfield (Ore)	1.6 ENE;hwy 0.5 S	460	20 S1	80 oct. Ctn-wet weather P-line E.
Ocean Park Sky Port	0.5 S;hwy W	10	21	P-line S. (Klipsan Beach, Wash)
Elma (Wash.)	0.8 S;rd W, riv S	60	26	P-line W.
Summit (Montesano, Wash.)	2.9 W;hwy S	190	22 S1	80 oct.
Mossyrock (Wash.)	1 W;hwy SW	613	19 S1	80,91 oct.
(N) Mason Co. (Wash.)	2,5 NW;hwy ENE	278	52h L S6	Twr NW. No Navy facs. Lgts prior req. →

2 SEATTLE

O. USABLE WITH CAUTION
R EXTREMELY HAZARDOUS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R. QUADRANTS.

ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA

BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS. WHIDBEY-AULY 278 (142.74, 126.18)
NAS. WHIDBEY IS. 522
NAS. WHIDBEY IS. 2870 (142.74)
NAS. WHIDBEY IS. 353
CGAS. PORT ANGELES 3295 (142.74)
EVERETT 224 (111.1, 116.1)
SEATTLE 260 (116.1)
McCHORD AAF 272
TOLEDO 239 (111.1, 116.1)
YAKIMA 320 (116.1)
ASTORIA 323
NAS. TILLAMOOK 520
PORTLAND 332 (111.1, 116.1)
ELLENSBURG 385 (111.1, 116.1)
THE DALLES 230 (116.1)
EUGENE 251 (116.1)
REDMOND 368 (116.1)

WASH. 4 D.A.
WASH. 5 D.A.
ORE. 2 D.A.
WASH. 1 D.A.

MOUNT VERNON OLF
SKAGIT VALLEY
BARKER & DEAN
ARLINGTON AERO
COUPEVILLE OLF
CAMANO IS
MARYSVILLE
EVERETT
SNOHOMISH
PAINE
ORCAS IS
DUNGENESS
CLALLAM CO.
QUILLAYUTE
COUNTY-CITY
INTERCITY
TWISP
HOBART
EASTON
EASTON
CLE ELUM
PANGBORN
FANCHER
MASON CO.
LAKEVIEW
OLYMPIA
MOON IS.
WESTPORT
BOWERS
CAMERON
TOPPENISH
CHEHALIS CO-CITY
TOLEDO-WINLOCK
OCEAN PARK
ILWACO
CLATSOP CO.
SEASIDE
WOODLAND
LA CENTER
WASHOUGAL
STEVENSON
HOOD RIVER
ARLINGTON
THE DALLES
WASCO
COASTWAY AERO
MCMINNVILLE
SKY ACRES
MCNARY
ADAMS
DALLAS
RAY ADAMS
NEWPORT
ALBANY
CORVALLIS JCT.
CORVALLIS
LEBANON
LANGMACK
HARRISBURG
MAHLON SWEET
SPRINGFIELD
WILLAMETTO
MEDFORD
EUGENE
MADRAS
ROBERTS
PRINEVILLE
BEND
CHEMULT

FOR DETAILS IN THE PORTLAND AND SEATTLE APEAS SEE CHART 143

MEDFORD 19

TO EPHRATA
TO PENDLETON
SPOKANE 3

MILES
STATUTE

SPOKANE 3

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS O USABLE WITH CAUTION

MONT.

DOROTHY SCOTT
TONASKET
OKANOGAN No 1
OKANOGAN-LEGION
COLVILLE
NEWPORT
SANDPOINT
EUREKA
LIBBY
HAFER'S
SPOKANE 365 (111.1 116.1)
DEER PARK
COEUR D'ALENE 347 (116.1)
ANDERSON
CALKINS AIR TERMINAL
COEUR D ALENE AIR TERMINAL
THOMPSON FALLS
CHELAN
EPHRATA 269 (111.1 116.1)
DAVENPORT
FELTS 278 (118.5)
SPOKANE AAF 245 (126.1)
WILBUR
COULEE CITY
EPHRATA
HARRINGTON
SAVAGE
GEIGER AAF
SPRAGUE
HARRINGTON
MANITO
ROSALIA
LEMEN
WEEKS
KELLOGG
ST MARIES
MOSES LAKE AAF
RITZVILLE
TEKOA FLY CLUB
MULLAN PASS 206 (116.1)
LIND
LA CROSSE
WASHTUCNA
PULLMAN-MOSCOW REGIONAL
WASH. 5 D.A
CONNELL
WASH. 8 D.A
ASOTIN CO.
OROFINO
TOUCHET VALLEY
WALLA WALLA 212 (116.1)
LEWISTON
SUNNYSIDE
NAS PASCO
RICHLAND
PROSSER
VISTA
TWIN CITY
MARTIN
CRAIGMONT
KAMIAH
WALLA WALLA AAF 396 126 1
SKY RANCH
WASH.
ORE.
IDAHO CO.
PENDLETON 278 (118.7)
OREGON SKY RANCH
HERMISTON
BOARDMAN
CABBAGE HILL
PENDLETON AWYS SER.
ENTERPRISE
JOSEPH
LEXINGTON
PENDLETON 341 (111.8 116.1)
LA GRANDE
329 (116.1)
LA GRANDE
LA GRANDE
ORE. IDAHO
NEW MEADOWS
McCALL
BAKER 221 (111.1 116.1)
CASCADE
JOHN DAY
BAKER
WEISER
On request
ONTARIO 305 (116.1)
PAYETTE
PAYETTE
ONTARIO
BOISE 350

IDAHO
WASH.
IDAHO
MONT.
STATUTE MILES
TO ELLENSBURG
TO SUPERIOR
GREAT FALLS 6
GREAT FALLS SEATTLE
SEATTLE 2
TO THE DALLES
SEATTLE SALT LAKE CITY
OVER
ELKO 22

156 231 56 49 336 238 55 181 155 344 267 92 274 183 3 182 92 121 67 250 901 120 208 28 296 272 2

RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COEUR D'ALENE (Air Term.)	347(IKO)(116.1)	BMRLZ-DTV;321°,5.2	(4);116.1
PAYETTE FM	(. . - - - -)	FM; 301°, 49	Boise.
MONTANA			
MULLAN PASS	206(MN)(116.1)	BMRLZ-DTV	(4);116.1
OREGON			
BAKER	221(BK)(vhf)	SBRAZ-DTV;116°,1.8	(4);116.1,122.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329(IU)(116.1)	MHTV	(4);116.1
LA GRANDE FM	(- - - -)	FM; 300°,38	Baker
ONTARIO	382(OO)(116.1)	MHV	(4);116.1,122.1
PENDLETON	341(PO)(vhf)	SBRAZ-DTV	(3):116.1 122.1
Pendleton Field	278 (118.7)	C; 247°, 2.3	(4);122.5,118.7
WASHINGTON			
EPHRATA	269(EP)(vhf)	BMRLZ-DTV;336°,3.9	(4);116.1,122.1
FELTS (Spokane)	278 (118.5)	AC;331°,1.2	(4);118.5,126.18,122.5
HARRINGTON FM	(- - - -)	FM; 236°, 45.3	Spokane
SPOKANE (Felts)	365(SM)(vhf)	SBRAZ-DTV	(3);116.1,122.1
SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
WALLA WALLA	212 (WL)(116.1)	SBMRLZ-DTV	(4) :116.1
Walla Walla AAF	396(126.18)	CA :182°,3.8	(4);126.18

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cascade	1 E;riv SW	4765	29 S2	80 oct. Pole line NW.
Cayuse Creek, USFS (NC)	40 ENE Pierce	3700	20	
Chamberlain, USFS (Dixie)(NC)	17.6 SE	5765	32 S1	73 oct. Maint. May to Nov.
(P) Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50' poles S.
Dixie, USFS (NC)	4 SW; creek E	5200	28	Obst N,E,S.
(P) Idaho Co. (Grangeville)	0.9 N;rd W	3295	44 S2	80 oct. 20' pole line W.
Kamiah	0.6 SE;riv E	1194	32 S1	80 oct. Trees SSE.
★ Kellogg Int, 29B, SA-HL	0.8 NW;riv N	2300	38 L3 S4	73 oct. 10' dike W.
Landmark, USFS (Knox) (NC)	1.7 SSE	6680	23	ESE blkd, hills SSW.
(P) Lewiston	2 S;riv NW	1426	50h L1	Port rnwy lgts.
McCall	1 S,RR W	5021	23 S6	80 oct. P-line NE.
Orofino	1.3 NW;riv NE	1000	24 S6	80 oct. Ctn, Mtns ESE.
Payette	2 NE:RR W	2200	35 S6	Road crosses fld SE. No sto.
Priest River (NC)	0.9 NNW,RR S	2165	21	Trees E; hill W.
St. Maries	1.2 NW,hwy S	2132	23	
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct. No sto. Pole line W.
Tekoa Flying Club (Tensed)	5 NNW,crk N	2650	16 S2	80 oct.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
Weiser	2.8 S,riv W	2120	34 S6	80 oct.
MONTANA				
Eureka	2.7 NNW,RR N	2680	27	80
Libby, USFS	1 NE;riv S,E,W	2090	30	Mtns sur fld.
Thompson Falls	3.2 ESE,RR N	2460	25	Mtns E,S.
OREGON				
(P) Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80,91 oct. No sto.
Boardman Flight Strip	5.6 WSW,RR N	378	42h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Enterprise	1.4 WNW;RR SW	3750	34	Hwy SW.
Hermiston	1.7 SE,riv N	635	23 S1	80 oct.
(P) Joseph	1.2 W;RR E	4150	33 S2	80 oct.
(P) La Grande	5.5 ESE,RR SW	2713	47h R1 L2 S6	80 oct.
Lexington	0.7 N;hwy E	1650	30 S1	80 oct. RR SW
(P) Ontario	2.5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oregon Sky Ranch (Milton)	3.7 SSW,RR E	1300	20 S6	73,80 oct.
(P) PENDLETON	2.9 WNW;RR S	1492	63h R2 L5 S6	80 oct for U.A.L.
Pendleton Airways Inc. (Pendleton)	3.8 ESE,RR N	1200	37 S6	80,91 oct. Pole line E.
Pilot Rock	0.8 E,hwy N			ABANDONED.
WASHINGTON				
Anderson (Pateros)	1.6 SSW;hwy E	1100	16 S1	80 oct. Mtn W.
Asotin County (Clarkston)	0.6 N	760	34 S6	80,91 oct. Mtn 1 mi W.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct. Trees 200' W.
(P) Chelan	4.7 NE;riv SE	1250	26	Hills N,S,SW, Caution.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
(P) Connell	1.2 SSW,RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW,hwy S	2425	28 S1	80 oct. Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
(P) Dorothy Scott (Oroville)	3 NNE;lake W	1290	29 S2	80 oct. 2000' mtn S.
Ephrata	2 SE,hwy NW	1258	73h R1 S6	80 oct. ARMY TMP INACT. CIVIL FACS.
Fairweather (Republic) (NC)	0.8 S;riv E	2500	20	Trees N,S.
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91 oct. ARPT OF ENTRY.
(A) Geiger (Spokane) (A)	6.5 SW;hwy N	2372	82h	TMP INACT. NO FACS.
Hafer's Ranch (Chewelah)	3.6 SSW;RR E			ABANDONED.
★ Harrington Int, 19, SA-HL	1 NNW;hwy E	2305	32 L3	
"JZ" (Almira)	1 NNW;RR SW	1950	21	
La Crosse, 28B, PD-SM	2.5 SW;RR NW	1459	37 L3 S1	80 oct. RR E.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct. No sto. Pole line NNE.
(P) Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Place)	1.5 WSW,RR N	750	24 S6	80,91 oct. No sto. Trees ENE.
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	TMP INACT NO FACS
Newport	1 W;riv NE	2150	29 S2	No fuel. Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	25 S6	80 oct.
Okanogan Flight Strip (Omak)	4 N;hwy E	1298	47h S1	80 oct.
Pasco	2.8 NNW,RR E	402	47h	CLOSED.
(P) Prosser	1.4 NW;riv SE	685	40 S6	80,91 oct. Trees W.
(P) Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct.
Richland	1.3 SSE,riv NE	365	23 S1	80 oct. Riv SE.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct. Pwrline, bldgs NE.
Rosalia	2.6 W	2180	26 S1	80 oct. Hill NE.
Savage (Cheney)	0.7 WSW;RR SE	2400	24 S1	80 oct.
Sky Ranch (College Place)	1 E;RR S	800	30 S1	80 oct. Pwr line WSW.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct. JP-1. No sto.
Sprague	0.7 NE;RR S	2000	21	
Sullivan Lake (Metaline Falls)	4 ESE;lake S	2590	21	Road crosses fld-caution. (NC)
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	41 S1	80 oct. Pwr line SSW. P-line SSE.
Touchet Valley (Huntsville)	0.5 NE;RR S	1400	19 S4	80 oct. Trees, poleline WSW.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
Vista (Kennewick)	4.5 W;rivs NW	516	35h L S6	80,91 oct. Emerg lgts on prior req.
Wallace (Mead) (NC)	2 W;RR E	1935	26	40' trees NE.
(A) WALLA WALLA AAF (A)	3 NE;hwy S	1205	72h R2 L5 S6	73,91,100 oct
Washtucna	1 S;RR SE,NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct. Pole line NE.
NEW AIRPORTS				
Craigmont, (Idaho)	Adj NW;RR SW	3688	20 S2	80 oct. P-line E.
Manito Arpk (Spokane, Wash)	5 SSE	2450	21	P-line NE;trees SW Data unver.
New Meadows (Idaho)	0.5 N;hwy jct SE	3865	26	Unusable in wet weather.

RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388(DZ)(vhf)	SBRAZ-DTV;332°,1.7	(4);116.1,122.1

RADIO — MONTANA

ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL)(116.1)	SBMRAZ-DTV,319°,0.8	(4):116.1
BUTTE	233 (BT)(116.1)	BMRLZ-DTV;99°,16.1	(4):116.1
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV)(116.1)	SBRAZ-DTV;327°,3.1	(4); 116.1
DILLON (Int.)	379(DE)(116.1)	BMRLZ-DTV;167°,2.0	(4);116.1
DRUMMOND (Int.)	296 (DR)(116.1)	SBMRAZ-DTV, 185°,1.3	(4);116.1
GREAT FALLS	317(GT)(116.1)	SBRAZ-DTV	(3);116.1
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.5	(4):126.18,122.5,118.7
GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371(HL)(vhf)	SBMRAZ-DTV252°,1.9	(4):116.1,122.1
Helena Airport	278(118.9)	C	(4):118.9,122.5
HOMESTAKE FM	(- -)	FM, 99°, 21	Butte
LIVINGSTON (Int.)	224(LT)(116.1)	SBMRAZ-DTV;247°,2	(4):116.1
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308(MX)(vhf)	SMRAZ-DTV; 120°, 1.5	(4);116.1,122.1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254(SP)(116.1)	BMRLZ-DTV;275°,0.1	(4):116.1
WHITEHALL (Int.)	284(WW)(116.1)	SBRAZ-DTV;183°,2.3	(4);116.1
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

* INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. * + - Army ACS transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs (NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
(P) Challis	1.2 NNE;hwy E	5000	34 S1	80 oct.
Dubois, 22,S1-GT	0.8 SSE	5123	48 R1 L3	30' pole W.
➢ Flying R (Lake)	2.8 SE;hwys SE,E	6630	34	Mtns ENE.
Moose Creek,USFS (Red Riv.Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld. (NC) Closed to Public
Salmon	4 S;riv W	4045	40 S1	80 oct.Mtns NE.

AIRPORTS — MONTANA

Basin Creek (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4900	21	Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4650	22	Closed to public.
Black Bear (Flathead Nat'l Forest)(NC)	26 SE Swan Lake.	4200	22	Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25 S1	(NC) 80 oct.Rough
(P) BUTTE	4 S;RR W,N	5553	56h R1 L5 S4	80,91 oct.
Chester	1.5 WNW; RR S	3150	44	
(P) Choteau	1.2 NNE;RR W	3810	39 S4	80 oct.
Condon (Flathead Nat'l Forest)(NC)	19 E of Ronan	3690	27	
Conrad	1.1 W; creek S	3530	32 S1	80 oct.
(P) CUT BANK	3 SW;riv 1 E	3900	87h R1L5 S6	80 oct. ARPT OF ENTRY.
(P) Deer Lodge	1.5 W;RR E	4700	38 S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6114	70h L2	
★ Dillon Int,32, SL-GT	4.6 ENE;riv 2 W	5238	38 R1L3 S1	80 oct.

AIRPORTS — MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int.44B. SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	
(P) Flathead Co.(Kalispell)	7.4 NNE;RR E	2960'	47h L2 S1	80 oct.All lgts prior req.
Fort Benton	1.3 NE;RR SE	2870	27	Poles NW.Soft when wet.
(P) Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80-100 oct.
Gates Park,USFS(NC)	35 W Choteau	5400	26	Sur by mtns.Closed to public.
Geraldine Mun.	0.5 S;RR NE	3200	17 S1	Ltd 73 oct. Rough
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
(P) GREAT FALLS	3 WSW;hwy S	3669	70h R2 L5 S6	80,91 oct. ARPT. OF ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3485	89h R1 L5 S6	73.91.100 oct.JP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3186	38 L4 S6	80,91 oct. All lgts prior req.
Hamilton	1.3 ENE;hwy W	3640	35 S6	80 oct.Pole line S. Rnwy data unver.
(P) HELENA	2.5 ENE;hwy W	3882	55h R2 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	37 E Ronan	4575	20	Sur by mtns.Closed to public
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.W,NW blkd.
Livingston	6 ENE;RR N,W	4656	62 S2	80 oct.
★ " Int,10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3 S2	80 oct.Poles S.
Meadow Creek (Flathead Nat'l Forest)	21 ESE Swan Lake	4000	22	(NC)
(P) MISSOULA COUNTY	5.3 WNW;RR N	3200	71h R1 L5 S4	80,100 oct. No flood lgts.
Plains	1.3 NNW; RR NE	2465'	32 S4	80 oct.No sto.30' Poles NW,NE.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	21 S1	80 oct.Ski-equipped acft only. Nov. thru April.
Rainbow Skyport (Gregson)	0.7 N;RR E,S	5030	40 S1	80 oct.
Schafer (Flathead Nat'l Forest)(NC)	17 SSE Summit	4855	24	Sur by mtns.
Seeley Lake (NC)	4 WNW	4150	20	Trees NW.
Sheridan	0.6 SE	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat'l Forest)(NC)	14 ENE Swan Lake	3800	22	
Stevensville	2 ENE;riv 2 W	3620	30 S1	80 oct.
★ Superior Int,36B,SA-HL	1 S; RR S,riv NE	2700	35 R1 L2 S1	80 oct.Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L2 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	38 S1	80 oct
(P) Valier	0.6 S;lake S	3820	35	Caution when wet.
(P) West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld. Scheduled air line summer mo. only
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.

NEW AIRPORTS

Gardiner, Mont.	1 NNW;RR S	6200	22	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII) (NC)-Not charted. → NEW OR REVISED DATA

6 GREAT FALLS

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

CUT BANK 263 (118.1)
QUARTER CIRCLE M.C PAPER
CUT BANK
LETHBRIDGE
147
57
228
48
TOOLE CO.
CHESTER
FLATHEAD CO.
KALISPELL
VALIER
CONRAD
AMBER 2
309
61
130
FORT BENTON
CHOTEAU
GERALDINE
TANNER
GREAT FALLS NWR 278 (118.7, 126.18)
GREAT FALLS 317 (118.1)
GREAT FALLS AAF 219 (126.18)
CASCADE
BELT
266
90
FOLSON
MISSOULA 308 (116.1, 111.1)
185
184
PLAINS
TO MULLAN PASS
SUPERIOR
MISSOULA CO.
ALBERTON
15
95
107
RED 48
17000
275
96
11000
40
276
252
72
HALE
DRUMMOND
SUPERIOR 254 (118.1)
STEVENSVILLE
HELENA 278 (118.9)
McDONALD PASS
18
CARRISON
WINSTON
15
HELENA 371 (111.1, 118.1)
WHITE SULPHUR SPRINGS
DRUMMOND 296 (118.1)
DEER LODGE
166
358
HAMILTON
99
BUTTE HOMESTAKE
WHITETAIL
RAINBOW
279
95
256
78
GALLATIN
LIVINGSTON 224 (116.1)
SIXTEEN
133
BUTTE 233 (116.1)
WHITEHALL
WHITEHALL 284 (116.1)
247
67
GREEN 2
LIVINGSTON
DILLON 379 (118.1)
SHERIDAN
TWIN BRIDGES
77
257
BOZEMAN 329 (116.1)
319
313
GARDINER
MONT
WYO.
SALMON
DILLON
GREAT FALLS
SALT LAKE CITY
DELL
CHALLIS
FLYING "B"
WEST YELLOWSTONE
DUBOIS 388 (111.1, 116.1)
DUBOIS
73
253
IDAHO FALLS
332
SALT LAKE CITY 23
IDAHO
WYO
SPOKANE 3
TO BILLINGS 7
LEWISTOWN 353

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS O USABLE WITH CAUTION

BILLINGS 7

49°
110°
109°
108°
107°
106°
105°
105° 25
AOS 30'
25
40°
50
46°
47°
45°
44°
135°

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N' QUADRANTS.

STATUTE MILES

GREAT FALLS 6

BISMARCK 10

TO GREAT FALLS

O CHINOOK
O HAVRE CITY-CO.
O HARLEM
O MALTA AIRPK
ETCHART O
O VALLEY CO
SCOBEY O
GUSTAFSON ANDERSON O
O WOLF POINT
FORT PECK
VIDE O
CIRCLE O
O JORDAN
O DENTON
LEWISTOWN
FOREST GROVE
MOORE
LEWISTOWN 353 (116.1)
ROUNDUP
BILLINGS 400 (116.1)
CUSTER (W) 215
MILES CITY
MILDRED
O HARLOWTON
LAVINA O
CUSTER
NIBBE 25
GREEN 2
FORSYTH
MILES CITY 320 (116.1)
RAPELJE O
BILLINGS 278 (118.7)
BIG TIMBER
LIVINGSTON 224
COLUMBUS
PARK CITY 21
ZELMA O
BIG HORN CO
BRIDGER
RED LODGE
BONES BROS. RANCH
ST. XAVIER
MONT.
WYO.
POWELL O
COWLEY-LOVELL-BYRON
LOVELL
SHERIDAN CO
SHERIDAN 2
SHERIDAN 239 (116.1)
DENVER
MINNEAPOLIS GREAT FALLS
UCROSS 17
CODY O
GREYBULL O
BASIN
GREAT FALLS SALT LAKE CITY
MEETEETSE
BUFFALO O
GILLETTE MUN.
GILLETTE ARPK.
ROCK SPRINGS 26
CASPER 269
TO WRIGHT

197
90
17
270
149
145
142
326
325
208
238
60
240
50
229
67
247
297
118
28
298
159

RADIO — MONTANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400(BI)(116.1)	SBRAZ-DTXV	(3);116.1
Billings Airport	278 (118.7)	AC(ILS-W):247°,1.3	(4);118.7,126.18,122.5
BILLINGS LFM	(- - -)	LFM, 247°, 6	Billings
CUSTER (Int.)	215(CU)	MRLWZ:230°, 2	
LEWISTOWN	353(IT)(116.1)	SBRAZ-DTV,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-DTV,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 49°, 25.4	Billings
PARK CITY FM	(. . - - -)	FM, 247°, 21	Billings

WYOMING

SHERIDAN LFM	(- -)	LFM,118°,2.3	Sheridan
SHERIDAN	239 (ZY)(116.1)	SBRAZ-DTV:298°, 1.8	(4);116.1,122.1
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BILLINGS	110.3	335	253°	IM-	MM- ·–·– (0.6)	OM- ––(4.3)
					MMK-	OMK- 251 –···
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs: (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +- Army A.C.S. transmits on and guards 116.1, 137.86, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Big Horn Co. (Hardin)	2.3 ESE,riv W	3000	31 S1	(NC) 80 oct.
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW,hwy N	4450	43 L3	
(P) BILLINGS	2.5 NW,RR S	3612	57h R3 L6 S6	80,91,100 oct.
(P) Bones Bros. Ranch (Birney)	2 ESE,crk W	3500	29 S2	No fuel. ROUGH
(P) Chinook	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21 S1	80 oct.
(P) Columbus	1 ESE,RR N	3575	50 S1	80 oct. Poles W,E,NW.
★ Custer Int,25,HL-Twin Cities	2.3 E;hwy N	2868	44 L3	Poles NNW.
Denton	2.2 SSW;hwy S	3850	26 S2	73 oct.
Etchart (Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct. Trees SE.
Forsythe, 30 HL-Twin Cities	3 ENE;hwys S	2722	30 L3 S1	73 oct. Allway fld.
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct.
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct. Poleline E.
Harlem	2.3 NNE,RR E	2560	24 S2	80 oct.
(P) Harlowton	2 WNW,riv S	4400	29 S2	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Havre-City-County	4 WSW,lake E	2589	48h S4	80 oct. ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
(P) Jordan	1.8 WNW,rd S	2637	40 S1	80 oct. Road W.
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	49 L3	lgts on req.
(P) LEWISTOWN	2.5 SW,RRNW	4177	100h R1 L5 S4	80,91 oct. No flood lgts. Rnwy
(P) Malta Airpark	0.8 SW,RR N	2270	31 S4	80 oct. Shrubs NW. No sto.
★ Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L6	No rnwy, bndry, obst lgts.
(P) MILES CITY	2.5 NW	2628	56h R1 L5 S6	73,91 oct. Hwy NE.
Poplar (NC)	0.8 N,RR S	1970	28	
(P) Rapelje	1 SE;lk NE	4030	38	
(P) Red Lodge	0.5 WNW	5600	29	ROUGH. Road N.
(P) Roundup	1.9 N;hwy W	3500	37 S2	80 oct. Rough.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W.
(P) Scobey	1 NW,RR S	2458	34 S1	80 oct.
(P) Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80,91 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
(P) Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka (Hardin)	2 W,hwy N	3002	18	

WYOMING

→ Basin	2.5 NE;riv W	3775	32	Hills S.E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	73 oct.
Cody	2 ESE;hwy S	5084	50 S6	80,91 oct. P-line S.
Cowley-Lovell-Byron (Cowley)	2 NNE,rd NW	4050	32	
(P) Gillette	5.2 NNW	4380	36 S4	80 oct. Hwy E.
(P) Grey Bull	2 NW,hwy S	3900	71 S4	73,91 oct. Hill NW
(P) Powell	8 NNW	5054	42	Storage. P-line N,NE.
(P) SHERIDAN COUNTY (Sheridan)	2 SSW,creek N	3961	61h R1 L5 S6	80,91 oct.

NEW AIRPORTS

Gillette Arpk. (Wyo.)	1.7 ESE,RR N	4650	25 S4	80 oct. Poles NW.
Moore, (Mont.)	0.5 E;RR NNW	4100	19 S2	80 oct.
Lovell (Wyo)	1 SE;hwy W	3850	26 S1	80 oct.
Meeteetse (Wyo)	3.4 SW;riv N	5950	36	P-line SW
Bridger (Mont)	0.3 W;RR S		30 S2	80 oct. S blkd Poles N

RADIO — NORTH DAKOTA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER.. REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-DTV,260°, 2.3	(4); 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-DTV,167° 2.1	(4); 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT(Port O'Minot)	209 (UI)	BMRLZ-DT,301°, 3.4	(4)
SOUTH DAKOTA			
PHILIP (Int.)	206(IL)(116.1)	MHTV	(4);116.1,122.1
PIERRE	347(PX)(116.1)	SBRAZ-DTV;249°, 3.5	(4); 116.1,122.1
RAPID CITY	221 (RZ)(116.1)	SBRAZ-DTV	(4);116.1
Rapid City AAB	396 (126.18)+	CA;345°,5.5	(4); 126.18
→ SPEARFISH (Black Hills Airport)			DECOMMISSIONED

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Baker	0.8 SSE;lk N	2990'	35 S2	80 oct. Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct. Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
(P) Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.

NORTH DAKOTA

Beach	0.8 NNW	2814	30 S2	73 oct. Poles ENE.
(P) BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S4	73,80,91 oct. No sto.
Bowman	1.5 W,RR N	3000	24 S2	80 oct. P-line N.
Chandler(Williston)	3 W,RR SE	1877	31 S6	80 oct. Bldg N.FEE.
(P) Crosby	1 N,RR SW	1962	32 S2	80 oct.
(P) Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dunseith (NC)	1.5 S.	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE,
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct. Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S2	80 oct. Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S1	80 oct. Polelines S.
New England	3NE;hwy W	2666	24 S6	80 oct. P-line W
Parshall	1.2 S;hwy E	1970	22 S1	80 oct. P-line W
(P) Port O'Minot(Minot)	1.6 NNE, hwy W	1723	58h R1 L S6	80,91 oct. Port rnwy lgts. Pwr line SW.
Rhame	1.5 SW,	3150	23 S1	80 oct. P-line S,SE,SW
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct. Poleline N,NW.
★ Washburn Int,4,RK-UI	5.1 N,hwy W	1905	40 L3	Pole line W.
(P) Watford City	1.2 ENE,hwy S	1975	31 S1	80 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct. Obsts N,E,S
Worth(Dickinson)	1.8 SW,riv NW	2455	28 S6	80 oct. Hangar NW.
Wright(Williston)	2 NNE	1876	32h S6	80,91 oct. Data unver.
→ Wyman (Mott)	0.8 S;riv ENE	2495	50 S2	80 oct. P-line W,SE.
[redacted]				
(P) Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	53 S6	73, 91 oct.(Spearfish)
Geronime(Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct. Poles sur fld
Halley(Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
(P) Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct. Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct. Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct. No sto. Poleline N
→ PIERRE	3.5 NE,riv SE	1742	69h R1 S1	80,91 oct.
(A) Rapid City AAB(A)	8 NE,RR S	3234	83h R2 L5 S4	73,91,100 oct. JP-1.
Rushmore(Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.
NEW AIRPORTS				
→ Hettinger (N.D.)	1 NNW;RR S	2675	32 S2	80 oct. N,NW blkd. P-line
Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E. ARPT OF NE.
Bottineau, (N.D.)	1 N;RR W	1645	35 S1	80 oct. E,W,N,SE blkd. ENTRY
Sherwood (N.D.)	2 N;hwy E	1650	26 S2	80 oct. Pole E. Use strips only.
Wright(Williston,N.D	3.2 N	1860	32 S6	80,91 oct. P-line S,W. Use
Harding Co.(Buffalo,S.D)	0.5 E;riv 0.5 S		21 S	Fuel from town. strips only.
McIntosh (S.D.)	1.3 E;lk SW	2275	15 S1	80 oct. Use strips only
Universal(Bison,S.D)	0.8 N;bldg 0.5 SE	2600	24 S2	71 oct. Use strips only
Rebenberg (Selby,S.D.)	2 S;hwy W	1790	30 S2	80 oct. Use strips only.
Lemmon (S.D.)	3 SE;hwy 1 N	2518	26 S6	80 oct. Use strips only. P-line SW
→ Selfridge (N.D.)	2 SW;RR 2 E	2100	24	80 oct. in town.

10 BISMARCK

(R): EXTREMELY HAZARDOUS (O): USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N-QUADRANTS.

105° 104° 103° 102° 101° 100° 49°

25 STATUTE MILES 0

CROSBY ○ PORTAL SHERWOOD ○ BOTTINEAU ○ MOHALL ○ PLENTYWOOD ○

121 211

TOWNER ○ RUGBY ○

PORT O'MINOT ○

MINOT
209 •:•—

WRIGHT
CHANDLER (O) WILLISTON

48° 48°

PARSHALL ○
MILLER ○

80 SIDNEY (O) WATFORD CITY ○

31 301

FARGO 11

167 158

106 4000

+ ILO WASHBURN

DICKINSON
308 —•• (116.1) —•—•

BISMARCK
230 •—•— (116.1) —•—•

GLENDIVE ○

GLEN ULLIN ○

47° 47°

BEACH ○ GOLVA ○ WORTH

JUDSON 27 BRISCOLL 30

TO JAMESTOWN

MILES CITY
320 —•—

6000 4000

69 GREEN 2 256 80 250

238 5000 5000 5000 99

153 100

NEW ENGLAND ○

DICKINSON BISMARCK

4000 AMBER 4

219 HURON

BAKER ○ + WYMAN

RHAME ○ BOWMAN ○

347 333

46° + HETTINGER ○ SELFRIDGE 46°

MONT. N.D. S.D

LEMMON ○ MCINTOSH ○

BILLINGS 7

HARDING CO. ○ UNIVERSAL ○ MOBRIDGE ○ RIBENBERG ○

45° MINNEAPOLIS DENVER MONT. WYO S.D. 45°

168

BLACK HILLS ○ NEWELL ○

165 D.A

BUSHMORE

RAPID CITY
221 •—• (116.1) —••—•

PIERRE
347 •—•— (116.1) —••—

GERONIMO

RAPID CITY AAB
396 (126.18)

144 6000

RED 31 69 On request

HALLEY

246 5000

PHILIP
206 •• (116.1) •—••

PIERRE

348

HURON

105° 44° 122 HIGHLIGHT 10000 66 CHART 27 PHILIP 100°

FARGO 11

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

100° 99° 98° 97° 96° 95°
49° 48° 47° 46° 45°

N.D. MINN

ROLLA
CANDO
LANGDON
ROSEAU
PEMBINA
DEVILS LAKE
BELL
MADDOCK
HARVEY
NEW ROCKFORD
MOHR
MATHENY
JAMESTOWN
DAWSON
BISMARCK
GRAND FORKS
CROOKSTON
ERSKINE-GUNTHER
THIEF RIVER FALLS
TWIN VALLEY
WALKINSHAW
CONRAD BROS.
WEST FARGO
VALLEY CITY
WHEATLAND
PARK RAPIDS
DETROIT LAKES
BARNESVILLE
LISBON
ABERCROMBIE
HOMESTEAD
STATE SCHOOL OF SCIENCE
FERGUS FALLS
WAHPETON
ASHLEY
ABERDEEN
BRITTON
SISSETON
GRACEVILLE
MORRIS
GLENWOOD
ALEXANDRIA
BENSON
APPLETON
WILLMAR
ORTONVILLE
MILBANK
WEBSTER
BIEDENFELT
GETTYSBURG
DEITER
MADISON
MONTEVIDEO
REDWOOD FALLS
MARSHALL
LAKE BENTON
WESTBROOK
WATERTOWN
LAKE POINSETT
LAKE PRESTON
OLDHAM
CARTHAGE
SMITTY SKY RANCH
PLANDREAU
BROOKINGS
W. W. HOWES
MILLER

77 257 260 344 100 170 100 72 170 100 80 260 278 350 160 60 100 165 100 100 6 100 365 (116.1) 47° 100 250 73 GREEN 2 257 83 260 100 88 99 230 6 26 FARGO 388 (118.7) 307 GREEN 2 120 100 186 345 161 N.D. S.D. MINN 100 ASHLEY (W) 206 ALEXANDRIA 239 (116.1) 300 46° 109 100 289 ABERDEEN 329 (116.1) 166 BISMARCK 10 207 341 76 100 70 100 224 100 113 HURON 353 (111.1, 116.1) 263 RED 31 98 PIERRE 347 100 293 SIOUX FALLS 245 RED 5 234 346 256 98 WILLMAR 254 (116.1) 75 357 177 MINNEAPOLIS 186 9 MINNEAPOLIS 14 STATUTE MILES 50 25

ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

CHART 28

OVER

RADIO

MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	239(AE)(116.1)	BMLZ-DTV,186°,2	(4); 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
WILLMAR	254(IW)(116.1)	SBMRAZ-DTV,357°,3.5	(4); 116.1

NORTH DAKOTA

ASHLEY (Int.)	206 (AI)	MHW	(Cont.)
FARGO	365(FO)(116.1)	SBRAZ-DTV	(3); 116.1
Fargo-Hector Arpt	388(118.7)	C, 260°, 0.9	(4);118.7,122.5
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-DTV,253°,1.5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5.5	Fargo.
WHEATLAND FM'	(. . - - -)	FM, 260°, 25.5	Fargo.

SOUTH DAKOTA

ABERDEEN	329 (AN)(116.1)	SBRAZ-DTV,341°,2.5	(4);116.1
HURON (W.W.Howes)	353(HR)(vhf)	BMRLZ-DTV,44°,2.7	(4);116.1,122.1
WATERTOWN	382 (WU)(116.1)	BMRLZ-DTV,256°,2.8	(4);116.1,122.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S4	80,91 oct.No sto.Fld lgts
Appleton	1.9 NNE,riv S	1010	34 S6	80 oct.No sto. on req.
Benson	2.4 NW	1031	22 S2	80 oct. P-line S,SE,SW
Crookston	3 NNW,RR N	875	30 S6	80 oct.No sto.Obst
Detroit Lakes	2.7 W,RR N	1392	35 S6	80 oct.No sto. sur fld.
Fergus Falls	4.3 W;riv E	1160	20 S6	80 oct.Poleline W
Graceville	0.8 WNW,RR S	1110	18 S1	80 oct.P-line S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct. P-line N,S,W.
(P) Marshall	1.5 W;RR S,E	1167	30 S6	80 oct.P-line S.
Montevideo	2.2 NNE;hwy W	950	25 S1	80,91 oct.P-line NW.
(P) Morris	2.7 WSW,RR N	1134	31 S6	80 oct.P-line NE.
Ortonville	1 ESE,hwy S	1090	30 S1	80,91 oct.P-line SE.
Park Rapids	1.7 SSW,RR E	1440	30 S6	80 oct.
Redwood Falls	1.8 NE,riv NE	1025	25 S1	80 oct.Poleline SE,SW.
Thief River Falls	3.6 S, riv W	1110	25 S2	80 oct. Trees NW
Wadena	1 E,RR NW	1300	30 S4	80 oct.No sto.P-line S,NW
Westbrook	1 SE,hwy N	1500	18 S1	80 oct.
Willmar,16,HR-MP	1.5 W,RR E	1130	30 R1 L3 S6	80 oct.P-line E.

NORTH DAKOTA

Abercrombie	1.7 SSW,riv E	949	24	S1	80 oct. Poleline E.

NEW AIRPORTS

Oldham (S.D.)	1 ESE	1668	25		Use strips only.Poles N.
Gettsburg (S.D.) (S.D)	1.5 S;dams 1 SW	2082	27	S4	80oct.Use strips.Poles S,W
Lake Poinsett(Arlington)	4.3 ESE;lk,hwy E	1680	22	S2	80oct.Use strips.Poles SE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. → NEW OR REVISED DATA.
(See page XIII) (NC)-not charted

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2026	40 L3	
Cando	1.1 SW,RR E	1490	28 S4	80 oct. No sto.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2.	
(P) Devils Lake	2.5 W,hwy S	1450	46h L S6	P-line W.
(NG)FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	80,91 oct.Port lgts on req. 73,80,91 oct;100 oct,JP-1. (S4) N.G. Army.
(P) GRAND FORKS	2.6 WNW,RR S,E	837	49h R1 L5 S6	80,91 oct.ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	27 S1	80 oct.
Homestead(Wyndmere)	6.2 N,hwy W	1100	16 S1	80 oct.Trees E,SW.
(P) Jamestown	1.5 NE,hwy S	1493	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	24 S1	80 oct.P-line N,NW.
Lisbon	0.8 SSW,RR SE	1151	21 S1	73 oct.Polelines N,S.
(P) Matheny (Carrington)	1.3 W,RR N	1580	32 S6	80 oct.No sto.Poles NE,NW
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct. W,SW,NW
New Rockford	1.5 N; RRW	1533	32 S6	80 oct.No sto.P-lines E,
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct. ARPT. OF ENTRY.
→ Rolla	1.5 N;hwy E	1850	25 S4	80 oct.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct.Poleline N;pwrline E.
(P) Valley City, 71	1.5 NW,riv NE	1375	38h L1	(HL-Twin Cities)
→ Walkinshaw (Argusv'l)	4.5 WNW	895	23 S2	80oct. N blkd.

SOUTH DAKOTA

(P) Aberdeen	2.9 E,RR N	1299	49h R1 L5 S6	80,91 oct.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct.Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
→ Eureka (NC)	6 N, rd W	1300	25 S1	80 oct.P-line sur fld exc.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct.Poles sur fld.E,W
Madison	3.7 ENE,hwyS	1688	26 S2	80 oct.Trees W;pole NW
★ Miller,Int,44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW,RR NE	1300	25	Pole line E.
WATERTOWN	2 NW,RR NE	1736	69h R1 L3 S1	80, 91 oct.
Webster	3 S;hwy W	1848		Poles NE,W,NW.Use ctn
(P) W.W.HOWES(Huron)	1.3 NNW	1287	43h R1 L3 S6	73,80,91 oct.

NEW AIRPORTS

Carthage (S.D.)	0.3 S,RR E	1440	22	S4	80 oct..Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23	S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30	S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26	S2	73 oct. Pwr line SE,NNE.
Britton Mun.,(S.D.)	2 NNE;RR W	1350	24	S1	73 oct.Poles W.
Twin Valley Farm	1 W	1050	24	S1	80 oct. (Minn.)
Maddock, (N.D.)	1 N;hwy W	1650	23		Rough.
Roseau (Minn.)	1.6 NW;hwy S	1040	35	S1	80 oct.Pwr line N,W,NW.
Lake Benton, (Minn.)	7 NNW	1759	20	S1	80 oct.
Glenwood, (Minn.)	3.2 E;hwy N	1400	26	S1	80 oct.Allway fld.N,NE,
Smitty Sky Ranch,	6.5 NNW	1817	22	S1	73 oct. (Minn.) NW blkd.
Bell (Devils Lake,N.D	2 SSE;	1478	30	S6	80 oct. (Minn)
Erskine-Gunther	2 ENE;lake S	1150	23	S1	80oct.P-line ENE(Erskine,
Lake Preston (S.D.)		1725	18	S2	80oct.Stacks E.Rough Poles
→ Conrad Bros.(Page,N.D)	4 E	1080	15	S2	80 oct.

RADIO

MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
➔DULUTH	221(DH)(116.1)	SBRAZ-DTV 130°,3.9	(4):116.1
HAMEL FM	(- - -.-)	FM, 298°, 24	Minneapolis
HASTINGS FM	(- -)	FM, 118°, 10.2	Minneapolis
JORDAN-FM	(- - -)	FM, 238°, 26	Minneapolis
MINNEAPOLIS (Wold Chamberlain Field)	266(MP) (116.1)	SBRAZ-DTV	(3):116.1
WOLD CHAMBERLAIN (Minneapolis)	278(126.18) (118.3) +	AC(ILS):298°3.6	(4);122.5,126,18,118.3

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WOLD CHAMBERLAIN	109.9 ·---·	333.8	354°	IM-	MM- ·-·- (0.76)	OM- --· (4.7)
					MMK-201 ·-··	OMK-219 --

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gogebic Co. (Ironwood)	4.5 NNE; RR S	1246	24 S4	80 oct. Soft when wet. Poles S.

MINNESOTA

Anderson (Cocato)	2.6 ENE,RR S	1020	23 S1	80 oct. Poles S; trees W.
Anoka Flying Service	1.2 SE	896	19 S6	73,91 oct. Poles NE; 629' twr SE.
Baudette	0.8 NW;riv N	1080	27 S4	80 oct. No sto. ARPT OF ENTRY
(P) Bemidji	3.8 NW;hwy S	1395	57h S6	80, 91 oct.
Brainerd	1.3 SSE,hwy W	1210	25 S6	80 oct.
(A) Camp Ripley (Little Falls)	7.5 N, riv E	1149	70	Water twrs SE. (A)
(P) Carleton (Stanton)	0.7 NE,RR W	870	30 S6	80 oct. Flares on req. Obst sur fld.
➔ Cedar (Minneapolis)	8.5 S, RR W			ABANDONED
Coleraine	0.8SSE;lake SE	1390	25 S4	80 oct.
Ely	1.2 E	1425	24	Trees sur fld. Not Maintained.
Faribault	1.6 S,hwy W	1060	20 S1	80 oct. Pwr line W.
(N) Fleming (South St. Paul)	1.8 S;riv NE	822	15h S6	80 oct. No sto. Flares on prior req. Rdo rprs.
Flying Cloud (Minneapolis)	13.8 SW, riv S	900	30 S6	80 oct. P-line S,NE.
Gervais (Tofte)	1.2 NE,hwy S	800	28 S5	80 oct.
Grand Rapids	1.5 SSE,lake NE	1293	25 S6	80 oct.
Hector	0.7 S, RR N	1100	25 S1	80 oct. Poleline W, NW, SW.
Heywood Gull Lake (Nisswa)	1.7 SSW,lake S	1200	18 S2	80,91 oct.
(P) Hibbing	4.5 SE	1367	40h L4 S6	80,91 oct. Lgts on req.
Kenyon	0.8 S;RR E,N	1240	20 S1	80 oct. Poleline N, NE.
(P) Lake City (Frontenac)	0.5 SE,RR N	775	44 L3 S6	80 oct.
Le Sueur	1.1 S,riv W	900	24 S4	80 oct. No sto. Rolling.
Litchfield	1.2 NE;hwy N,W	1140	24 S2	80 oct.
Littlefork	1.8 WNW,riv E	1153	19 S2	80 oct. Poleline S.
➔ Mankato	1.7 SE,hwy W	996	29 L1 S6	80 oct. Flare pots on req. P-line NE,SE.
(P) Monticello	See Hincks Arpt under "New Airports" - named changed.			
(P) New Ulm	1.8 W; RR N	1000	32 S1	80 oct. Poleline N. Hwy N.
Northport (White Bear Lake)	3.2 E;lake W	1000	22 S6	80,91 oct.
Osseo	2 NE	875	30	Data not verified.
(P) Otis Lodge (Grand Rapids)	7.5 SW,lake S	1293	26 L1 S4	80 oct. Seaplane base S.
Pleasant Corners (Dodge Center)	2 ESE;RR N,W	1050	13 S1	80 oct. Poles S, W blocked.
Princeton	1 NNW;riv N	976	21 S4	80 oct. Trees N,W. Use strips only.
Robbinsdale	0.8 NW,RR E	879	14 S6	80 oct. Obsts N, S.
➔ Springfield	0.5 W;hwy N			80oct. P-line ENE,E,ESE,WNW.
(NG) St. Paul	1.5 SE,riv E,N	704	55h L4 S6	80,91 oct. 100 oct. N.G.
St. Peter	2.4 NNW,riv E	900	20 S4	80 oct. No sto. P-line S
Sells Flying Field (Mayer)	0.4 SSE	750	12 S6	(NC) 80 oct. Fill N end. Ctn.
Taylor Falls	1.5 W;riv E	950	23 S6	80 oct.
University of Minnesota (New Brighton)	3.8 N, hwy W	909	34 S6	80 oct. Trees E. P-lines W,NW,SW,N.
Victory (Minneapolis)	9 N, riv E	860	39 S6	80,91 oct. P-line SW

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➔ NEW OR REVISED DATA.

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Virginia	2 WSW,bet RRs	1429	35 S4	80,91 oct, P-line N.
Waseca	0.5 S,RR NW	1150	39 S2	80 oct. Poleline N.
(P) Whitney Memorial (St. Cloud)	1.5 NNW;riv E,N	1034	35 L3 S6	73,80 oct.
(P) WILLIAMSON-JOHNSON ➔ (Duluth)	See Duluth under "New Airports" - name changed.			
Winona	4.5 WNW	670	24 L3 S6	80,91 oct. Hwy NW.
(A,N) WOLD CHAMBERLAIN (Minneapolis)	6.5 SSE,hwy S	834	59h R3 L4 S6	80-100 oct. JP-L. Rdo rec required. N blkd. Ltd maint facs for mil acft-
➔ Wyman (Aitkin)	1.3 N,riv S			ABANDOND Open to all acft.

WISCONSIN

Amery	3.4 NNW;lk SW	1100	26 S6	80,91 oct. SE blocked.
Arrowhead (Rice Lake)	2 SSE;lake S	1190	24 S4	80 oct. Use landing strips only.
Ashland	2.5 SSE,RR E	700	19 S2	80 oct. Use strips only.
Boyceville	0.5 E;RR N	948	21 S2	80 oct. P-line W,N,NE. Use strips only.
Boyd's Mason Lake (Fifield) (NC)	13 WSW,lake NW	1200	30 S1	80 oct. N,E,W blkd.
Chetek	1.5 SE,lake E	1050	22	80 oct. P-line S,SE. Use strips only.
Chippewa Falls	2 S,RR NW	910	26 S6	80 oct. P-line SW,W, NW,S blkd.
Colby-Abbotsford (Colby)	1.2 NNW,RR E	1400	26 S4	80 oct. P-line.NNE.
Dallas	0.7 SSE,RR W	1100	26 S2	80 oct. S blkd.
Eau Claire	1.5 SSE,hwy N.	884	31 S6	80,91 oct. Obsts sur fld.
(P) Eau Claire Municipal	3.5 NNE,riv NW	885	43h	Trees SW.
(p) Hayward	2 NE,RR NW	1200	30 S4	80,91 oct.
Hudson Flying Service	3.8 E,hwy N,W	850	18 S1	80 oct. P-line NE,SW. Use with caution.
Jackson Co. (Black River Falls)	2 E, RR W	855	28 S6	80 oct. P-line W,NW,S.W.
Marshfield	2.3 SSW,RR NE	1253	26 S6	80 oct. Flare pots in emerg.
Neillsville Memorial	5.7 W,hwy SW	1000	24 S1	80 oct. Trees around fld.
(P) Phillips	1.2 N,riv S	1140	30	Poleline W,SW
Pines (Bloomer)	0.9 E,RR W	1050	16 S2	80 oct. Poles S, W. Rough.
Price Lake (Phillips)	12.5 WNW	1140	22 S1	80,91 oct. Trees on all but lake appch.
Rice Lake	3.5 NNE,RR W	1150	37 S4	80 oct. Poles sur fld.
(P) Richard Bong (Superior)	2.3 S;RR E	674	33 S6	80 oct. Pole line SE, 353' twr NW.
Rusk County (Ladysmith)	2.8 SE,RR SE	1150	25 S2	80 oct. Use strips only.
(P) Schlosser (Durand)	2.4 NNW,riv W	800	32 S2	80 oct. P-line NE.
Spooner	5 N	1072	20 S1	80 oct. Data not verified.
Taylor County (Medford)	2 SE;riv NW	1400	21 L S1	80 oct. Pole line N; Flares on req.
➔ Veterans (Menomonie)	0.4 W,riv W			ABANDONED.

NEW AIRPORTS

Owatonna (Minn.)	2.9 NW;hwy E	1143	23 S6	80 oct.
(P) INTERNATIONAL FALLS, ➔ Thorp (Wis) (Minn.)	2.2 S 1.4 SSW	1175 1225	30h S4 20 S1	80 oct. No sto.
Aitken Mun. (Minn.)	1.7 ENE;riv W	1208	26 S1	80 oct.
Bemidji-Port-O-Wilds (Turtle River, Minn.)	1.2 NW;lake W	1350	23 S1	80 oct. P-line NE. Use strips only.
Red Wing (Minn)	2.5 NE;hwy N,W	790	21 S1	80 oct. Strip rolling.
Sky Harbor Lodge (Pine River, Minn)	1 NE;lake NW	1340	26 S1	80 oct. P-line N,S,W. Trees E.
Staples (Minn)	1.5 NNW	1298	32 S1	80 oct. Use strips only.
Grantsburg (Wisc)	1.5 NNE;riv S	870	13 S2	80 oct. Trees NE,SW. Use strips.
Rainbow (Winter, Wisc)	4.2 WSW;riv S	1265	19 S1	80 oct. W approach hazardous.
Miller (Garrison, Minn)	1.4 N	1264	22 S1	80 oct.
Barron, (Wisc.)	1.1 ENE;riv W	966	26 S2	80 oct. E blkd. P-line W.
Cumberland, (Wisc.)	3 SE;lake NE		26 S4	80 oct. No sto. N,S blkd.
Hultquist's Sky Ranch (Minong, Wisc.)	1.9 W;lake W	1180	13 S4	80,91 oct. No sto. Trees S,N.
Bleick (Fairfax, Minn)	2.5 N	1050	18 S1	80 oct. P-line E.
Hutchinson, (Minn)	2.5 SSE	1052	28 S1	80 oct.
Crosby (Minn)	0.5 NE	1266	25 S1	80 oct. P-line SSE.
Todd (Brainerd, Minn)	1.5 NW;riv SE	1250	26 S1	80 oct.
Kentoby (Annandale, Minn)	1 E	1066	24 S2	80 oct.
Pine Beach (Brainerd, Minn)	8.3 NW;lake N	1250	21 S1	80 oct. P-line NW,W,SE,E.
Union (Iron River, Wisc)	2.2 WNW;RR .5 S	1100	19 S1	80,91 oct. E blkd. Use strips only.
Spencer (Wisc.)	0.5 WSW;hwy N		27 S2	80 oct. Fence S,SW. Data unver.
(P) Hincks (Minn.)		940	44 S6	80 oct. P-lines S,SW.
➔ Thorp City (Wis)	0.6 SSE;RR N	1225	22 S1	80 oct. Hwy N
➔ Shell Lake (Wis)	1.2 SE;RR W	1214	29 S1	80 oct. Trees N,NE,S. Lake N,E,S.
➔ Owen (Wis)	0.7 NE;RR S	1270	19 S1	80 oct. P-line N,NE,SW,W,NW. Hwy S
(P) DULUTH (Minn)	6.5 NNW;hwy S	1428	57h R1 S6	80,91 oct. Closed ngts except airlines ARPT OF ENTRY

14 MINNEAPOLIS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS H: USABLE WITH CAUTION

ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS INDICATE VFR QUADRANTS

BAUDETTE
INTERNATIONAL FALLS
CAN. - MINN.
LITTLE FORK
ELY
BEMIDJI-PORT-O-WILDS
BEMIDJI
VIRGINIA
HIBBING
COLERAINE
GRAND RAPIDS
OTIS LODGE
WILLIAMSON-JOHNSON
SKY HARBOR LODGE
PINE BEACH
BEYWOOD
CROSBY
AITKIN MUN.
STAPLES
TODD
BRAINERD
MILLER
CAMP RIPLEY
DULUTH
221
(116.1)
RICHARD BONG
UNION
ASHLAND
IWISC - MICH.
GOGEBIC CO.
GERVAIS
HULTQUIST S
HAYWARD
SPOONER
RAINBOW
BOYD S
PRICE LAKE
PHILLIPS
SHELL LAKE
ARROWHEAD
CUMBERLAND
RICE LAKE
BARRON
RUSK CO.
CHETEK
DALLAS
PINES
TAYLOR CO.
BOYCEVILLE
THORPE CITY
OWEN
THORPE
COLBY-ABBOTSFORD
CHIPPEWA FALLS
EAU CLAIRE MUN.
EAU CLAIRE
MARSHFIELD
NEILLSVILLE
JACKSON CO.
WINONA
LA CROSSE
371
236
WISC. 2 D A
GRANTSBURG
TAYLOR FALLS
AMERY
U. OF MINN.
MINNEAPOLIS
266
(116.1)
NORTHPORT
HUDSON
ST. PAUL
FLEMING
HASTINGS
RED WING
LAKE CITY
SCHLOBER
ROCHESTER
236
CARLETON
KENYON
FARIBAULT
MANKATO
LE SUEUR
ST. PETER
NEW ULM
SPRINGFIELD
SIOUX FALLS
245
234
WILLMAR
254
ROBBINSDALE
HUTCHINSON
HECTOR
GLENCK
WOLD-CHAMBERLAIN
278 (116.3, 126.1R)
FLYING CLOUD
JORDAN
26
HANEL
24
RED 31
ANDERSON
WHITNEY MEM.
PRINCETON
HINCKS
ANOKA
VICTORY
OSSEO
WAYZATA
ALEXANDRIA
239
264
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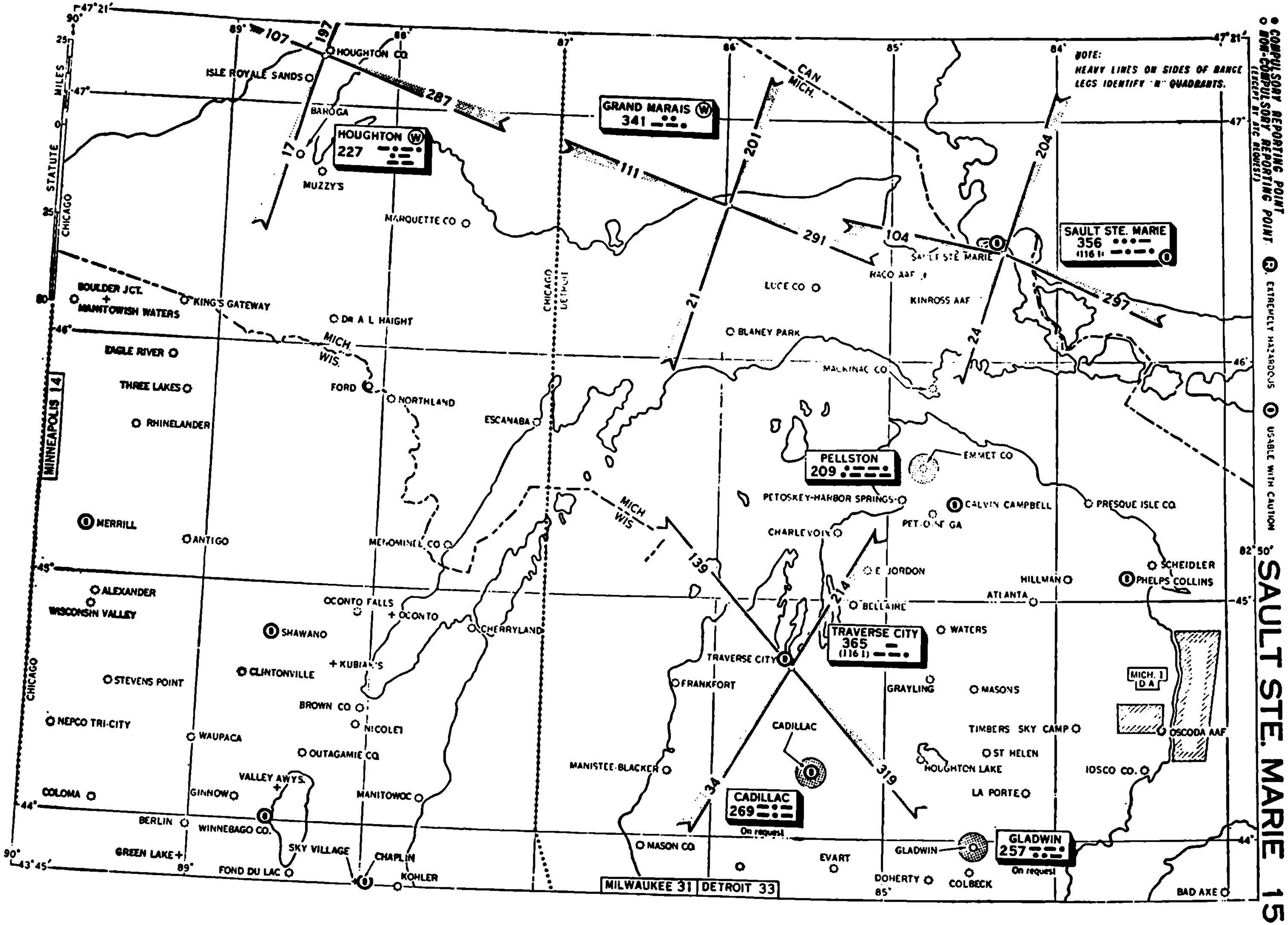
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
R EXTREMELY HAZARDOUS
U USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
SAULT STE. MARIE 15
47°21'
90°
89°
88°
87°
86°
85°
84°
82°50'
25 MILES
STATUTE
CHICAGO
MINNEAPOLIS 14
DETROIT 33
MILWAUKEE 31
ISLE ROYALE SANDS
HOUGHTON CO
BARAGA
HOUGHTON (W) 227
MUZZY'S
GRAND MARAIS (W) 341
CAN MICH.
MARQUETTE CO
SAULT STE. MARIE 356 (116 I)
SAULT STE MARIE
RACO AAF
KINROSS AAF
LUCE CO
BOULDER JCT.
MANITOWISH WATERS
KING'S GATEWAY
DR A L HAIGHT
BLANEY PARK
MICH
WIS
EAGLE RIVER
THREE LAKES
RHINELANDER
FORD
NORTHLAND
ESCANABA
MACKINAC CO
PELLSTON 209
EMMET CO
PETOSKEY-HARBOR SPRINGS
CALVIN CAMPBELL
PRESQUE ISLE CO
CHARLEVOIX
PET-O-NE GA
MERRILL
ANTIGO
MENOMINEE CO
E JORDON
SCHEIDLER
PHELPS COLLINS
HILLMAN
ATLANTA
ALEXANDER
WISCONSIN VALLEY
OCONTO FALLS
OCONTO
CHERRYLAND
BELLAIRE
TRAVERSE CITY 365 (116 I)
WATERS
SHAWANO
CLINTONVILLE
KUBIAK'S
STEVENS POINT
TRAVERSE CITY
FRANKFORT
GRAYLING
MASONS
MICH. 1 DA
BROWN CO
NICOLET
NEPCO TRI-CITY
WAUPACA
OUTAGAMIE CO
CADILLAC
TIMBERS SKY CAMP
OSCODA AAF
ST HELEN
HOUGHTON LAKE
IOSCO CO.
MANISTEE-BLACKER
CADILLAC 269 On request
LA PORTE
VALLEY AWYS.
COLOMA
GINNOW
MANITOWOC
BERLIN
WINNEBAGO CO.
MASON CO
GLADWIN
GLADWIN 257 On request
EVART
DOHERTY
COLBECK
BAD AXE
GREEN LAKE
FOND DU LAC
SKY VILLAGE
CHAPLIN
KOHLER
107
197
287
17
111
291
104
201
204
21
24
297
139
214
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319

RADIO — MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CADILLAC (Int.)	269(KK)	MHT	(4)
GLADWIN	257 (GU)	MHT	(4)
GRAND MARAIS	341(IG)	RL-W	Oper. State of Mich.
HOUGHTON	227(CAM)	RL-W	Oper. State of Mich.
PELLSTON (Emmet Co.)	209 (PJ)	MHT	(4)(6-22)
SAULT STE. MARIE	356(VC)(116.1)	SBMRAZ-DTV;317°,2.2	(4), 116.1
TRAVERSE CITY	365(TG)(116.1)	SBMRAZ-DTV;319°,2.2	(4);116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	● MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alger County (Munising)(NC)	4 SSE,hwy E	850	26	Twr N; woods all sides.
(P) Alpena	See Phelps Collins under "New Airports" - name changed.			
Amasa (NC)	4 NW	1560	14	Not maintained.
Atlanta	0.8 ESE	875	22 S2	80 oct. Trees N,NW,W.
Au Gres (NC)	0.9 NNW,hwy S	590	20 S1	80 oct. Poles SW. NW blkd.
Baldwin	1.3 SSE,RR W	835	23 S2	80 oct. Trees NE.
(P) Beaver Island (St. James) (NC)	4.2 SSW	620	35	NW,SE blkd.
(P) Bellaire	1 NE,RR W,S	614	24 S1	80 oct. P-line E,SE.
Big Lake (Baraga) (NC)	7.3 SW, rd W	1100	20	Trees on all sides. Emerg use.
Blaney Park	0.5 NW;lake N	850	18 S1	80 P-line E
(P) Cadillac, 23, TL-VC	2.5 NW,RR E	1297	34 R1 L3 S6	80 oct.
Calvin Campbell Mun.	0.8 SE;RR,hwy W	602	20 S1	80 oct. P-line N.(Indian River)
Calbeck (Beaverton)	0.8 SW;RR W	728	27 S2	80 oct. Poles SE,trees E,NW
Charlevoix	0.8 SW,lake NW	642	30 S2	80 oct. P-lines S,W,NW
D.A.R.(Rexton) (NC)	1.9 WSW;RR N	900	22	Poles N.
Doherty (Clare)	1 NE, hwy W	840	21 S1	80 oct. Rough, etn.
(P) Dr. A. L. Haight (Crystal Falls)	1.3 ENE;lake E	1390	34 L1 S4	80,91 oct. Bldg SW,WNW.
East Jordan	1.9 SSE,riv W	640	26 S1	80 oct. P-line E,N;trees W
(P) EMMET CO. (Pellston)	0.6 NW,RR E	707	54h R1 L3 S2	80,91 oct. Lgts on req. P-line N,E
Escanaba	2 SSW,	594	26 S6	80,91 oct Trees E.
Ford (Iron Mountain)	2.9 W,riv W	1140	23 S6	80,91,100 oct.
Frankfort	1.9 ESE	650	29 S2	73,80,91 oct.
(P) Gladwin	0.5 SSE,riv W	780	35 R1 L3 S2	80 oct.
(P) Grayling	1.3 NW,RR W	1152	50h	
Harrison (NC)	2.3 NNW,hwy E	1100	26 S2	80 oct. S blkd. Caution, rough.
Hillman	2.8 NW	995	23 S1	80 oct. Woods all sides.
Houghton Co. (Calumet)	2 SE, RR NE	1200	26 S4	80 oct. Twrs, poles W NW blkd.
Houghton Lake (Houghton Heights)	1 W;lk NNE	1150	27 S2	80 oct. Pole NW, trees W,SSE,E. Rdo twr W,N lgtd.
Ishpeming-Dexter (NC)	7 W;RR N,S	1570	25	Poles N.
Isle Royale Sands (Houghton)	2 ESE;RR SW	605	26 S3	80 oct.
Kalkaska (NC)	0.5 WNW,RR E	1020	26	
(A) Kinross (A)	2.5 SE	780	55h	TMP INACT NO FACS
La Porte (West Branch)	6 SE,RR W	890	26 S2	80 oct. P-line SW;trees NW,NE. Rough
Luce County (Newberry)	4.1 SE,hwy S	872	28 S1	80 oct. NW blkd. Poles SE. off strips
Mackinac Co. (St. Ignace)	2 NNW,hwy E	600	26 S2	80, 91 oct.
Mackinaw City (NC)	5 S,RR W	700	22	
Manistee-Blacker	4 ENE,riv S	613	23 S4	80 oct.
Marenisco (NC)	1.6 E,hwy N	1551	20	ENE,WSW blocked
Marquette County	7.9 W,hwy S	1412	27 S2	80 oct.
Mason County (Ludington)	1.7 ENE,hwys S	640	30 S1	80 oct. Poles S.
NEW AIRPORTS				
Baraga (Pelkie,Mich)	3.5 SE;hwy N	805	21 S2	80 oct. P-line N,Trees E,S,W
→ Muzzy's (L'Anse,Mich.)	2.3 SSE;RR E	1008	24 S1	80 oct, Poles ENE,ESE,Trees WNW.
→ Coloma (Wisc.)	3.0 NW;hwy E	1065	26 S2	80 oct. N,S blkd.
→ Berlin (Wisc.)	2.9 W;hwy S	780	20 S1	80 oct, SE blkd, P-line SW.
→ C'Conta (Wisc.)	1.5 SW;bay E	590	36 S2	80 oct. P-line N. Data unver.

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Menominee County	5 NNE,bay E	590	27 S1	80 oct. Trees sur fld.
Mio (NC)	1.6 N,hwy W	1050	26	Emergy only.
Northland (Quinnesec)	1.8 ESE;RR N	1060	33 S3	80,100 oct. Pole line N.
Norway Township (Loretto)	2.4 S,lake N	860	21	Trees on side strips. (NC)
Onaway (NC)	0.6 NNE,RR S	770	21	P-line SW,trees SE.
(A) Oscoda AAF (A)	3.5 NW,lake E	605	50h	
Otsego County (Gaylord) (NC)	1 SW;lake 1.5 S.	1384	40 S1	P-line E,NE Trees N.
Pet-O-Se-Ga (Wildwood)	1.8 NW,lake NW	620	20 S2	80 oct.
Petoskey-Harbor Springs (Petoskey)	4.5 NE;bay W	620	24 S2	80 oct. P-line E,trees NW,SE.
Poschke's (Harbor Beach)(NC)	See Harbor Beach under "New Airports" - name changed.			
Presque Isle (Rogers City)	0.7 SSE,hwy E	658	26 S2	80 oct
Prickett-Grooms (Saginaw)	0.5 N,RR S	1300	18 S1	80 oct. Use caution. Bldgs SE,SW.
(A) Raco AAF (A)	4.5 WSW;RR N	910	55h	TMP INACT NO FACS
Roscommon (NC)	2.5 SE,RR NE	1100	42	Trees all appchs. Emerg. use only.
Roscommon Co. (Prudenville)	4.5 N, riv E	1150	26 S1	80 oct. Trees sur fld. (NC)
St. Helens	0.9 SE;RR N	1153	26	Trees all appchs. Emerg. use only.
(P) Sault Ste. Marie	1 SSW, riv N	706	36 R1 L3 S4	80,91 oct. Fld lgts on req. ARPT OF ENTRY. P-lines E,S. Trees W,NW,N.
Scheidler (Alpena)	6.3 N,hwy NW	590	22 S4	80 oct. P-line NE,N,SW.
(P) Schoolcraft Co. (Manistique)	3.3 ENE,lake S	678	31	Approaches 5:1. (NC)
→ Sky Harbor (Gaylord)	1 WNW,RR E			ABANDONED.
Steuben (Manistique) (NC)	20 NW	850	18	Woods all sides.
Timbers Sky Camp (South Branch)	0.2 NE,riv E	950	24 S1	80 oct.
(P) Traverse City	2.1 SE,RR NE	624	52h R1 L5 S6	80,100 oct.
Watersmeet (NC)	1.2 NNE;RR SSE	1581	22	Poles SE. Emerg only-rough.
[redacted]				
Alexander (Wausau)	2.5 S,riv SW	1191	27 L4 S4	80,91 oct. Lgts prior req.
(P) Antigo	2 ENE,hwy N	1483	33 S4	80, 91 oct. Flare pots avail.
Arbor-Vitae (NC) (Woodruff)	2.6 NW	1600	25 S2	80,91 oct. P-line N,trees E,W.
Boulder Junction	1.5 NW		38 S1	80,91 oct. Data unverified.
Brown County (Green Bay)	2.2 WSW,hwy SE	590	28 S6	80 oct. E,ESE,SE blkd.
Chaplin Arpk (Plymouth)	0.5 N,RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay)	2 WNW,	590	40 S2	80 oct. Pole line W,S. Bldgs N.
(P) CLINTONVILLE	1 ESE,RR SW	828	34 S6	91,80 oct. NNW blkd. Pwr line NE,SW,
Eagle River (NC)	1.3 NW,riv NW	1675	26 S1	80,91 oct. P-line E
→ East Side (Green Bay)	1.8 SE,RR S	600	19 S1	ANANDONED
Fond du Lac	2.6 ENE,hwy S	769	26 S4	80,91 oct. P-line N,NE,NW,SE blkd.
Ginnow (Omro)	3 N, hwy E	800	19 S2	80 oct. Trees SW. Rough
King's Gateway (Land O' Lakes)	0.5 SSE,RR W	1736	44 S2	80,91,100 oct. P-line SE,SW,NW.
(P) Kohler	1 N,hwy S	647	30 L1 S6	80,91 oct. SE blkd. Twr NE.
Manitowoc	1.6 NNW,RR W	653	26 L3 S6	80,91 oct. P-line W,SW,SSE. Bndry
Merrill	1.2 NNW,RR E	1285	22 L1 S2	80 oct. Use strips only. Igts inop.
Nepco Tri City (Wisconsin Rapids)	2.5 SSW, riv 1 W	950	35 L2 S6	80,91 oct Lgts prior req
Nicolet (De Pere)	1.5 S,RR E	620	23 S4	80 oct. Pole line E,W. Data unver.
(P) Northern Lakes (Manitowish)	6.8 E, hwy NE	1600	28 S4	80 oct. Trees E,W.
Oconto Falls	2.7 ENE,RR S	600	20 S2	80 oct, Pole line N.
Outagamie Co. (Appleton)	2.2 ENE,RR S	750	29 S6	80,91 oct. P-line NW.
(P) Rhinelander	2 [illegible];riv 1 SE	1598	37 S4	80,91 oct. No sto. Trees NW.
Shawano	2.3 ENE,lk NE	813	40 L S6	80,91 oct. Poles SW. Rnwy data unver
Sky Village (Plymouth)	1.8 WNW	800	18 S1	80 oct. Data unver. Lgts prior req.
(P) Stevens Point	3 NE, hwy W	1090	40h S6	80,91 oct.
Three Lakes	0.5 S	1664	14 S1	Fuel. Rough. Obst sur fld.
Tomahawk (NC)	0.5 WNW;riv N	1450	15	Obsts sur fld Emerg use
→ Valley Airways (Neenah)	3.9 SW,RR E	760	21 S4	80 oct. P-line E. Trees S.
Washington Island (NC)	0.6 NNE of Detroit Harbor	600	24	
Waupaca	4 ESE, hwy S	853	29 S2	80 oct. P-line S,S
(P) Winnebago Co. (Oshkosh)	2 SSW,RR NE	776	50h L1 S4	80,91 oct. No sto. P-line NE,N,W.
→ Wisconsin Valley (Rothschild)	2 S;RR,hwy W	1180	30 S4	80 oct, P-line N,NW. Rnwy data unver.
NEW AIRPORTS				
(P) Masons (Grayling,Mich)	12 ESE;riv 2 N.	1000	40 S1	91 oct.
Green Lake (Wisc)	4 W, hwy S	990	22 S1	90 oct. Data unver.
Kubiak's (Pulaski,Wisc.-Mich)	1.2 E	781	26 S4	Data unver. Flood lgts prior req.
Harbor Beach (Harbor Beach)	2.5 [illegible];rd S	670	20 L S2	80 oct. P-line NE/SE.
Brevort (Mich.)	1.2 NW;hwy S	620		Emerg. only. Trees E,W.
Waters (Mich.)	0.6 N;hwy W		25 S1	80 oct. P-line NW. Woods sur fld.
Evart (Mich.)	1 W SW;RR S	1030	24 S1	80 oct. P-line N,S.
Phelps Collins (Alpena, Mich)	6.5 [illegible] NW;riv adj	685	50h L5 S4	80 oct. No ben, bndry lgts. Lgts prior req.
Lost Creek Sky Ranch (Red Oak, Mich.)	4 SSE;hwy S	1050	26 S1	80 oct.
Big Bear (Topaz, Mich.)	6.5 S	1295	25 S2	80 oct. P-line S. Trees S.

h-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page XIII) NC (not charted) → NEW OR REVISED DATA

RADIO

MAINE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA	221(AW)(116.1)	BMRLZ-DTV;81°,2	(4); 116.1
BANGOR (Dow)	239(BB)(116.1)	SBRAZ-DTV;172°,2.1	(4)·116.1
DOW (Bangor)	278 (126.18)+	CA (ILS-W)	(3);126.18.118.7
EAST CORINTH FM	(- - - -)	FM, 352°, 13.5	Bangor.
HOULTON	272(HJ).	MRLWZ;195°,3.1	
LIMESTONE FM	(-)	FM, 57°, 22.3	Presque Isle
MILLINOCKET	344(MT)(116.1)	SBRAZ-DTV;292°,1.6	(4); 116.1
PRESQUE ISLE	388 (ZQ)	SBRAZ-DT;189°,3.4	(4)
Presque Isle AAF	278 (126.18)	AC(ILS-W)	(4);118.7,122.5,116.1.126.18
Presque Isle AAF	365 (RU)	SBMLZ; 9°, 3.8	(4)

NEW YORK

MASSENA	108.7(ME)	VARW	

VERMONT

BURLINGTON	323(JG)(116.1)	SBRAZ-DTV	(3); 116.1
Burlington Airport	278(126.18).	C; 151°,2.8	(4):122.5,126.18
GRANDE ISLE FM	(- - - -)	FM, 349°, 15	Burlington
HUNTINGTON FM	(- -)	FM, 151°, 17	Burlington
MONTPELIER (Barre-Montpelier)	257 (UV)	MRLWZ;230°,2.8	
VERGENNES FM	(- - -)	FM, 210°, 25.4	Burlington

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
DOW (L6)	109.9		153°	IM-	MM- ·-·- (0,81)	OM- -- (4,60)	
					MMK-	OMK-	
PRESQUE ISLE AAF	109.9		8°	IM- ····· (0,06)	MM- ·-·- (0,85)	OM- --(4,47)	
					MMK- 201	OMK- 219	
				IM-	MM-	OM-	
					MMK-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MAINE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
AUGUSTA	1.5 WNW,hwy S	354	34h R1 L5 S6	80,91 oct. Fld lgts prior req.
Andover (NC)	2.5 S,hwy E	675	17 S3	1125' hill, pole E.
Bar Harbor	9 NW,hwy W	87	45h L3 S6	80 oct. P-line NNE.
Bethel	1.6 NW,RR E	660	20 S1	80 oct.
Belfast	1 SW,hwy E	160	40h S4	80 oct. No sto.
Bishop (LaGrange)	0.8 N	360	10 S4	80 oct. SSW,WSW blkd.
Caribou	1 NW,hwy E	623	35h S6	80 oct. No sto. Bldg E. ARPT OF
Deblois Flight Strip	2 SE,riv W,N	219	40h	CLOSED ENTRY.
(P) Dexter	3 ESE	485	30h S4	80 oct.
Doanes (Brewer)	1.6 S,RR W	100	15 S5	80 oct. Poles NNE; trees SE.
(A) DOW (Bangor)(A)	2 W,RR S	160	70h R3(L6)S4	100 oct.
Eastport	1.5 WNW	70	29h S1	80 oct. P-line SW.
Fryeburg Arpk	1.3 E,RR S	400	26 S4	80,91 oct. P-line SSW, Trees NW.
Greenlaw (Auburn)	1.8 W,hwy S	238	16 S6	80 oct. Bldg S.
Greenville	2 ENE	1750	30h L3 S6	80 oct. Lgts prior req.
Guertin (Lewiston)	See Central under "New Arpts" - name changed.			
(P) HOULTON	2.5 E	493	57h L5 S6	80 oct.
(P) LEWISTON-AUBURN (Auburn)	See Auburn-Lewiston under "New Arpts" - name changed.			
Maheux (Minot)	3.5 NNW	720	21 S6	80 oct.
Millinocket	0.5 SE,hwy W	404	50h R1 L5 S1	91 oct. Fld lgts prior req.
Newport	1.5 ESE,hwy N	280	21	NW blkd.
Norridgewock	3.7 W;riv I W	270	40h	
Norway	1 N,RR S	387	18 S1	80 oct. Pole line SE.
Old Town	1.8 NNW,riv N	109	40h L3 S5	80 oct.
Pittsfield	0.8 SSE	190	40h S6	80 oct.
Pittston	1.8 ENE,RR W	140	18	NW,SW,S blocked.
(A) PRESQUE ISLE AAF (A)	1.5 WNW,RR E	529	68h R3 L6 S4	91,100 oct. No sto. ARPT OF
Princeton	1.5 SSE,hwy NE	250	40h S4	Fuel avail. ENTRY.
Rangeley	1.6 NNW,hwy S	1810	15	
Raymond's (Phillips)	0.8 S,riv E	556	20 S1	80 oct. Rnwy info. unver.
Rockland	3 SSE,rd NE	49	45h L5 S6	80,91 oct. No sto.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

MAINE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Rollins Fly. Svc. (Turner)	2.5 NNW,rd E	335	20 L S2	80 oct. Flare pots prior req. P-line NNE.
Roy L. Fernald (Winterport)	3 WNW,hwy S	182	40h L3 S1	80 oct. Lgts prior req.
Tomlinson (Skowhegan)	1 NNE;riv 1.5 S	240	21 S6	80 oct. P-line W,NW.
Waterville	1.8 SW,riv E	303	40h L5 S6	80,91 oct. Fld lgts prior req.
Weston (Madison) (NC)	1 N;riv .8 W	300	19	WSW blkd. Use in emerg.

NEW HAMPSHIRE

Berlin	7.5 N,riv W	1140	52h S4	80,91 oct.
Dean Memorial (Haverhill)	4.1 NE,RR W	570	18 S1	80 oct. Trees N,NW. Rnwy data unver.
Lancaster Arpk.	0.3 N,riv W			ABANDONED.
Lewis (Littleton)	2.5 E,RR S	900	22	80 oct.
Twin Mountain	0.8 SW;riv N	1430	18 S4	80 oct. No sto.
Whitefield	3 ESE,RR N	1050'	24 S1	73 oct.
White Mountain (No. Conway)	1.9 SSE;RR .3 W	495'	20 S6	80 oct. Trees NW.

NEW YORK

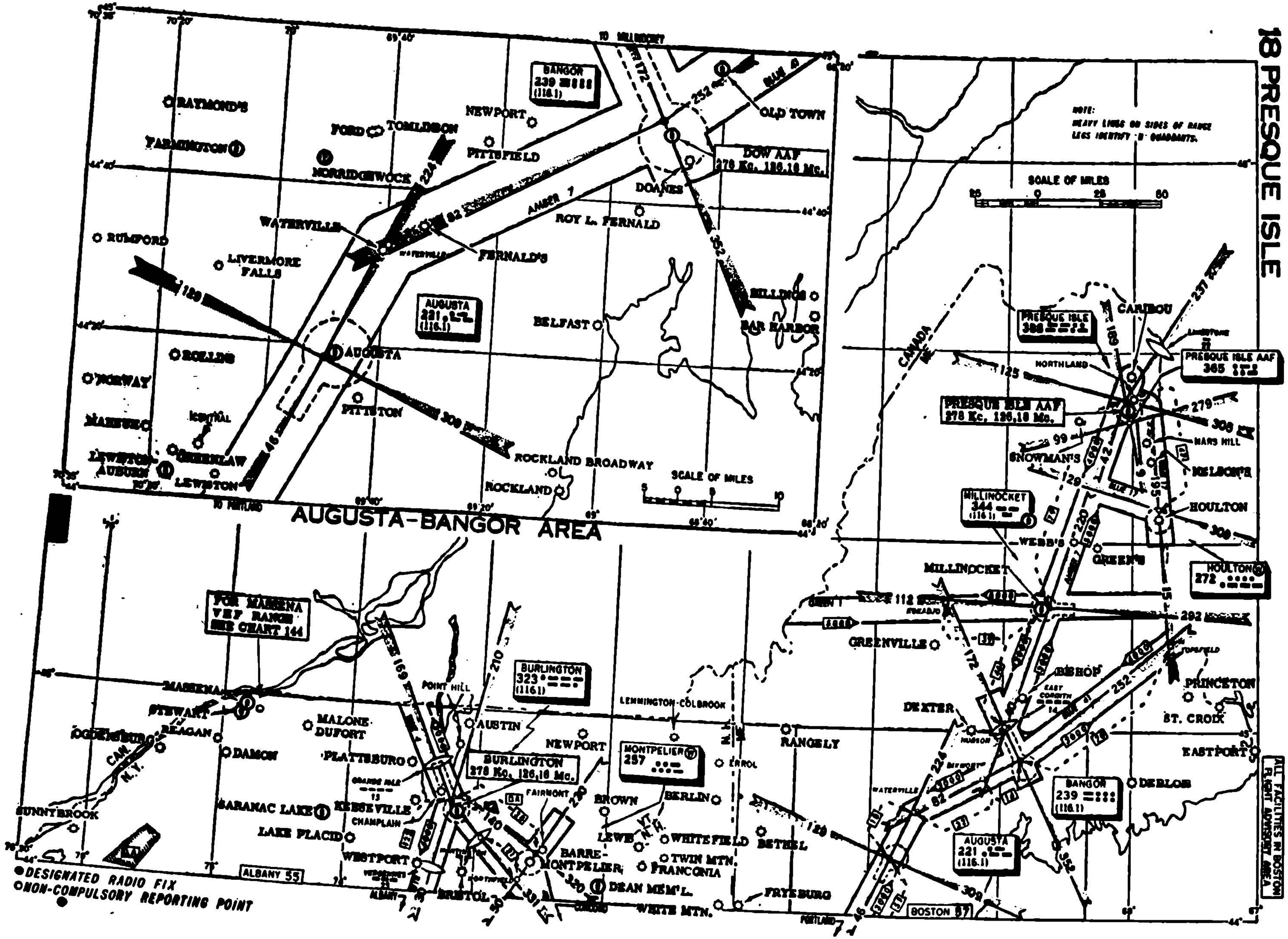
Bradley (Watertown) (NC)	2.2 N,RR E,W	435	18	Rough. Pole line W,SW.
Damon (Potsdam)	1.5 E;hwy S	460	20 S1	80 oct. P-line N. Strips rough at ends.
Keeseville	1.4 S;riv WNW	490	20	Pole W.
Lake Placid	2 SE,RR NW	1750	21 S1	80 oct.
(P) Malone-Dufort	2 W,RR N	790	40h S1	80 oct. ARPT OF ENTRY.
Marcy (Keene) (NC)	2.5 S,hwy E	1000	18	Mtn N,S.
(P) Massena	2.2 E,riv SE	200	40h L1 S6	80 oct. Bcn on req. Trees WSW. ARPT OF ENTRY.
(P) Ogdensburg	1.5 SE,RR W	285	30 S6	80 oct. ARPT OF ENTRY.
(P) Plattsburg, mun.	3.4 WSW;riv SW	375	50h L5 S1	80, 91 oct. Lgts prior req.
(P) Saranac Lake	5.3 NW,RR NW	1655	40h L2 S4	80 oct. No sto. Lgts prior req.
Stewart (Massena)	2.1 SE,RR NE	210	20	
Tupper Lake (NC)	1 E;riv SE	1680	14	Use strips only. P-line W. Rough.
Westport	2 S,RR W	285	22 S2	80 oct.

VERMONT

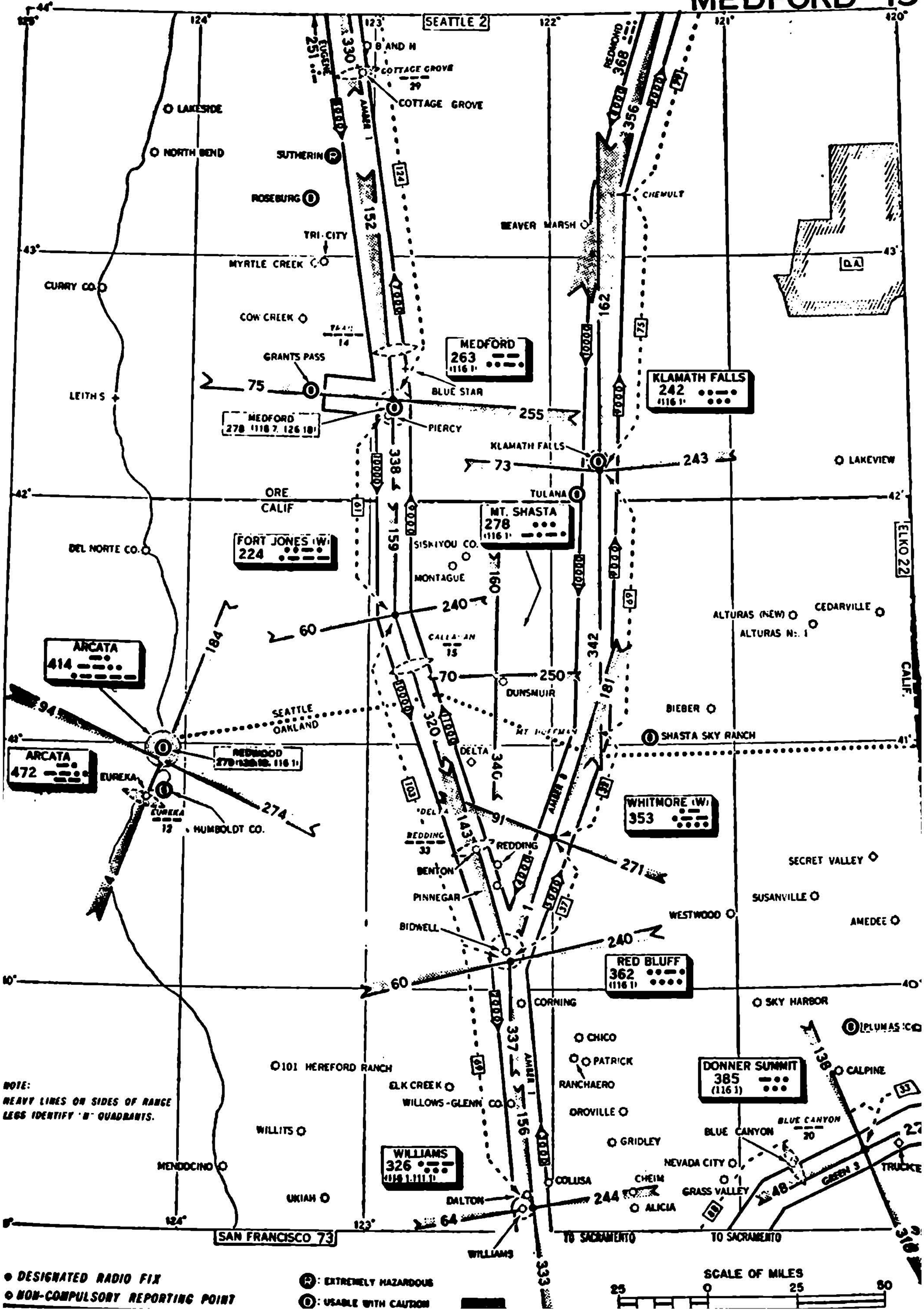
Austin (Swanton)	1.7 NE,RR W	235	21 L S6	80,91 oct. Port rnwy lgts prior req. ARPT OF ENTRY.
BARRE-MONTPELIER (Barre)	3 W;pond SW	1149	41h L5 S6	80,91 oct.
Bristol	0.7 W,riv SE	570	21 L S6	80 oct. Port rnwy lgts. ENE blkd.
(NG) BURLINGTON	3 E,riv NE	334	44h R2 L5 S6	80,91 oct. ARPT OF ENTRY.
Newport	3 SSW,RR E	930	40h L2 S1	Ltd 80 oct. All lgts prior req.

NEW AIRPORTS

Farmington Arpk. (Me.)	4.5 N;rd W	430	17 S6	80 oct. No sto.
Fernald's (Benton,Me.)	0.6 WNW;hwy S	120	18 S6	80 oct. No sto. WNW blkd.
Ford (Skowhegan,Me.)	1 NNW	230	15	Emerg only.
Franconia Arpk, (N.H.)	2 SE		20	
Brown (St. Johnsbury,Vt.)	5.2 N;RR E	807	21 S6	80 oct. Obst sur fld.
Billings Arpk (Ellsworth,Me)	4 SSE;hwy S,E	85	18 S1	80 oct. Trees NW, SE
Green's (Island Falls, Me)	2.3 SSW	710	13 S1	80 oct. P-line, trees S,N
Nelson's (Bridgewater, Me)	0.7 NW	450	8 S4	80 oct. No sto.
Snowman's (Ashland, Me)	1.2 NW;riv E	540	17 S1	80 oct.
Lancaster Arpk (N.H.)	1.3 W;riv N			ABANDONED.
Lewiston (Me)	5 SE;RR SE	190	6 S4	80 oct. No sto. NNE blkd.
Livermore Falls (Me)	1.3 SE;riv W	300	10	
Rumford (Me)	2 SSE;riv NW	615	22 L S4	80 oct. No sto. Wires, Trees NW
St Croix (Baring,Me)	0.5 E;hwy N	95	19 S1	80,91 oct. NNW blkd. Flares on req.
Webb's Fld (Patten,Me) [Me]	1 NNW;hwy E	650	14 S4	80 oct. No sto.
Rockland Broadway (Rockland,	0.8 SSW	60	19 S4	80 oct.
Reagan Fld (Norwood,N.Y.)	1.8 WSW;riv E	330	18 S1	80 oct.
Sunnybrook Fld (Clayton,N.Y.)	3.4 S;hwy E	390	18 S1	80 oct. ESE blkd.
Champlain (Colchester,Vt)	6.3 W;RR W	120	17 S4	80 oct. P-line S; swamp W
Fairmont (E. Montpelier,Vt.)	0.8 SSE;RR W	745	19 S4	80 oct.
Point Hill (St. Albans,Vt) [Me]	3.5 W;bay E	155	14 S4	80 oct. Wires ESE
(P) AUBURN-LEWISTON (Auburn,	4.5 SW;RR W	290	45h L5 S6	80,91 oct. P-line E, SE. Fld lgts on req.
Mars Hill (Me)	1.2 NNW	435	17 S4	80 oct.
Errol (N.H.)	1.2 WNW	1245	18 S4	P-line NW.
Austin (Wash., Me)	2.6 W;hwy N	280	13 S1	80 oct.
Community Arpk (Mapleton,Me)	4.3 NE	630	8 S1	80 oct.
Dingley (Auburn,Me)	2.5 NW;lk N	320	18	P-line SW.
Moscone's (Mallawamkeag,Me)	4 NNW;riv W	210	15	
Robbins (Hudson,Me)	2.7 SW	365	18 S1	80 oct.
Central (Lewiston,Me)	1 NE	220	15 S1	80 oct.
Northland (Presque Isle,Me)	5.5 N;hwy E	685	15 S1	80 oct.
Lemington-Colbrook (Vt)	3.8 SSW;hwy E	1030	18 S4	80 oct.


AUGUSTA-BANGOR AREA
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.
SCALE OF MILES
SCALE OF MILES
BANGOR
239
(116.1)
DOW AAF
278 Kc, 126.10 Mc.
AUGUSTA
221
(116.1)
BURLINGTON
278 Kc, 126.10 Mc.
BURLINGTON
323
(116.1)
MONTPELIER
257
PRESQUE ISLE
386
PRESQUE ISLE AAF
365
PRESQUE ISLE AAF
278 Kc, 126.10 Mc.
MILLINOCKET
344
(116.1)
HOULTON
272
BANGOR
239
(116.1)
AUGUSTA
221
(116.1)
FOR MASSENA VEF RANGE SEE CHART 144
RAYMOND'S
FARMINGTON
NORRIDGEWOCK
FORD
TOMLINSON
NEWPORT
PITTSFIELD
OLD TOWN
DOANES
ROY L. FERNALD
WATERVILLE
FERNALD'S
RUMFORD
LIVERMORE FALLS
ROLLINS
O'NEIDAY
MADISON
LEWISTON
AUBURN
GREENLAW
PITTSTON
AUGUSTA
BELFAST
BELLIOS
BAR HARBOR
ROCKLAND BROADWAY
ROCKLAND
CANADA
NORTHLAND
CARIBOU
SNOWMAN'S
MARS HILL
KELSEYVILLE
HOULTON
WEBB'S
GREEN'S
MILLINOCKET
GREENVILLE
BISHOP
DEXTER
PRINCETON
ST. CROIX
EASTPORT
RANGELY
DEBLOIS
MASSENA
STEWART
REAGAN
OGDENSBURG
DAMON
MALONE
DUPONT
PLATTSBURG
SUNNYBROOK
SARANAC LAKE
KEESEVILLE
CHAMPLAIN
LAKE PLACID
WESTPORT
POINT HILL
AUSTIN
NEWPORT
LEMMINGTON-COLBROOK
FAIRMONT
BROWN
BERLIN
ERROL
WHITEFIELD
BETHEL
TWIN MTN.
FRANCONIA
BARRE-MONTPELIER
DEAN MEM'L.
WHITE MTN.
FRYEBURG
BRISTOL
ALBANY 55
BOSTON 57
PORTLAND
ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

MEDFORD 19


SEATTLE 2
44°
125°
124°
123°
122°
121°
120°
43°
42°
41°
40°
LAKESIDE
NORTH BEND
SUTHERIN
ROSEBURG
TRI-CITY
MYRTLE CREEK
CURRY CO.
COW CREEK
GRANTS PASS
LEITH S
MEDFORD 278 (118 7, 126 18)
PIERCY
BLUE STAR
COTTAGE GROVE
B AND H
EUGENE
AMES 1
MEDFORD 263 (116 1)
KLAMATH FALLS 242 (116 1)
REDMOND
CHEMULT
BEAVER MARSH
KLAMATH FALLS
TULANA
MT. SHASTA 278 (116 1)
LAKEVIEW
ORE
CALIF
FORT JONES (W) 224
DEL NORTE CO.
SISKIYOU CO.
MONTAGUE
ALTURAS (NEW)
CEDARVILLE
ALTURAS N:. 1
ELKO 22
CALIF.
ARCATA 414
ARCATA 472
EUREKA
HUMBOLDT CO.
SEATTLE
OAKLAND
DUNSMUIR
DELTA
BIEBER
SHASTA SKY RANCH
WHITMORE (W) 353
REDDING
BENTON
PINNEGAR
BIDWELL
SECRET VALLEY
SUSANVILLE
WESTWOOD
AMEDEE
RED BLUFF 362 (116 1)
CORNING
SKY HARBOR
CHICO
PATRICK
RANCHAERO
OROVILLE
GRIDLEY
DONNER SUMMIT 385 (116 1)
CALPINE
BLUE CANYON
NEVADA CITY
GRASS VALLEY
ALICIA
COLUSA
CHEIM
DALTON
WILLIAMS
WILLOWS-GLENN CO.
ELK CREEK
WILLITS
MENDOCINO
UKIAH
101 HEREFORD RANCH
WILLIAMS 326 (116 1, 111 1)
SAN FRANCISCO 73
TO SACRAMENTO
TO SACRAMENTO
TRUCKE
GREEN 3
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.
• DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
D: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCATA (UAL) (Redwood)	472 (NZM)	MRL;4°,3.0	(3)
ARCATA (H fac) (UAL) (Redwood)	414 (NZ1)	H; 310°, .15	(4) Z marker 200' from SE end Rnwy 31.
BIDWELL (Red Bluff)			DECOMMISSIONED.
BLUE CANYON			DECOMMISSIONED
BLUE CANYON FM	(- - -)	FM, 228°, 19.5	Donner Summit
CALLAHAN FM	(- -)	FM, 140°, 15.1	Ft. Jones
DONNER SUMMIT	385 (DS) (116.1)	BMRL-DTV	(4):116.1
EUREKA FM	(- - -)	FM, 184°, 11.7	Arcata
FORT JONES	224 (FJ)	SRAWZ	
MT. SHASTA	278(SC)(116.1)	BMLZ-DTV, 116°,2.2	(4); 116.1
RED BLUFF (Bidwell)	362(FH)(116.1)	SBRAZ-DTV,323°,2.5	(4);116.1,122.1
REDDING FM	(- - - -)	FM, 323°, 33.2	Red Bluff
WHITMORE	353 (AWH)	MRLWZ	
WILLIAMS (Int.)	326(WS)(vhf)	SBMRAZ-DTV.244°, 2.2	(4);116.1,122.1
OREGON			
COTTAGE GROVE FM	(- - -)	FM, 150°, 29	Eugene
KLAMATH FALLS	242 (FS) (116.1)	SBRAZ-DTV;342°,2.7	(4); 116.1
MEDFORD	263(MF)(116.1)	SBRAZ-DTV	(3); 116.1
Medford AAF	278 (126.18,118.7)+	AC; 158°, 2.4	(4);126.18,118.7,122.5
TRAIL FM	(- - - -)	FM, 332°, 14	Medford
REDWOOD (Arcata), Calif.	278(116.1,126.18)	CI (ILS-W)	(3);116.1,126.18 (8-17)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
REDWOOD	109.5	332.6	312°	IM- (0.14)	MM- ····· (0.66)	OM- -- (4.5)
					MMK-	OMK- 404
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alicia (Marysville)	3.2 SSE,RR W,E	63	60h L5 S6	80,91 oct.
(P) Alturas (new)	6.8 WNW	5034	63h	
Alturas #1	1 W,RR S	4391	30 S6	80,91 oct. P-line N,NE,SW,NW.
Amedee Flight Strip (Amedee)	4 SE,RR N	4007	70h	
Arcata	See Redwood under "New Airports" - name changed.			
Ash Creek, USFS (McCloud)(NC)	11.2 ENE	3850	30	Closed Dec-May. Trees SE,NW.
Beckwourth	See Plumas Co under "New Airports" - name changed.			
Benton Airpark (Redding)	1.1 WSW;riv 1 E	719	25 L3 S6	80, 91 oct. Wires N.
(N) BIDWELL (Red Bluff)	1.7 SSW;RR 1 E	354	40h R1 L5 S4	80,91,100 oct. Fld lgts prior req.
* Blue Canyon Int,13,SF-SL	1.1 NNE;hwy NW	5280	34 L3	Wires N,NE. RR E. Wires E, W
Cedarville	0.6 S;hwy E	4260	26 S2	91 oct. P-line E,W blkd.
Cheim (Marysville)	1.5 NE,hwy S	67	30 S6	80,91 oct. Wire SW. Levee N,NE.
Chester, USFS (NC)	1.5 SSW;hwy NW	4525	31	P-line WSW,WNW. Closed to
(P) Chico	5 N;hwy E	237	67h L5 S6	No flood or bndry lgts. public.
Colusa	1.2 SW,RR W	47	29 S4	80 oct. Pole line NNW.
Corning	1.3 NE,RR W	300	22 L1 S6	80 oct.
Dalton Com. (Williams)	1 ENE,RR SW	65	26 S6	80 oct. S,W blkd,Soft.
(P) Del Norte Co. (Crescent City)	2.5 NW;Ocean W	57	50h L1 S1	80,91 oct.
* Delta Int, 22, SF-SA	1 S;RR,hwy N	1320	18 L3	800-1000' mtns E, W.
Dunsmuir,25B, SF-SA	4.5 N,RR W	3240	30 R1 L3 S2	80,91 oct. Poles E,N, lgtd.
Eureka	2 W,bay E	20	24h L1	
(P) Fall River Mills	See Shasta Sky Ranch under "New Airports" - name changed.			

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted). → NEW OR REVISED DATA

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Fort Jones (NC)	1.5 NW;rd NE	2745	30	Pole line NW.
Gasquet (Crescent City) (NC)	13 ENE,hwy S	390	25	Hazardous-bad approach. USFS
Grass Valley	0.8 W,hwy N	2600	18 S1	80,91 oct. Trees sur fld. P-line NE
Gravelly Valley, USFS (Upper Lake) (NC)	20 N, lake S	2000	49 S2	Road crosses NE/SW strip. No fuel. Trees NE,SE,NW.
Gridley	0.7 ENE;hwy E	97	26 S1	80,91 oct. Pole line N,S.
Hayfork, USFS (NC)	1.2 E;hwy N	2350	30	Pole line W, mts E. Closed to Public
Humboldt County (Eureka)	3.6 ENE;hwy N	10	18h S6	80,91 oct. Poles NW. Rnw
Mendocino (Little River)	2 5 SE	572	53h S4	80.91 oct.
Montague	1 W;hwy S	2520	32 L3 S6	80, 91 oct.
Nevada City	1.5 NW,rd S	3060	26 S4	80 oct.
(P) [Oroville]	3 SW,riv E	199	60h L5 S2	80,91 oct. Port rnwy lgts prior req.
Patrick (Chico)	2 SSE,RR E	189	34 S6	80,91 oct. P-line NW.
Pinnegar (Anderson)	1 S, creek N	435	23 S1	80 oct. Cattle on fld, hill SSE.
Ranchaero (Chico)	2.2 WSW,riv W	170	22 S6	80, 91 oct. Hwy NE. P-line S.
Redding	7.5 SE,riv S	500	60h S2	80,91 oct.
Round Valley (Covelo)(NC)	0.7 SW;hwy E	1385	30	
* Secret Valley Int,52,RV-ND	4 SE	4435	50	Day use only.
(P) Siskiyou Co. (Montague)	4.3 NE,RR W	2647	73h L5	
Sky Harbor (Quincy)	2.5 E;hwy S	3400	24 S2	80,91 oct. Poles S.
Susanville	6.5 SE,hwy SW	4150	32 S6	80,91 oct. Pwrline N.
* Truckee Int,16B, SF-SL	3.6 ENE,RR S	5820	34 L1	Snow Dec.-April.
(P) Ukiah	1 S,RR E	612	40h L5 S6	80,91 oct. Wires NNW
Weaverville, USFS (NC)	1 SSE,hwy E	2040	22	30' pole Poles S. Closed to Public.
* Williams Int,9, SF-SA	4 S;rd N	139	42 R1 L3	Mtns W. N/S strip soft when wet.
Willits	1.3 ENE;rd S	1356	18 S1	80 oct. Trees E. Pole line W.
Willows-Glenn Co.	1.3 WSW,RR E	130	45h L1 S6	80 oct. No sto.
OREGON				
* Beaver Marsh Int,73,RV-ND		4630	54 L3	6.2 SSW Chemult
Blue Star Arpk.(Eagle Point)	4.5 N,hwy E		20 S2	Data unver.
Civil Air Patrol (Worden)	See Tulana under "New Airports" - name changed.			
* Cow Creek Int,37B,SF-SA	2.5 ENE Glendale	1429	24 L3	Creek S.
(P) Curry Co. (Denmark)	3.8 WSW	214	51h L5	All lgts prior req.
Illinois Valley Landing Field (Cave Junction) (NC)	4.3 SSW, river 1 E	1350	43	Trees NNE. USFS
Klamath Falls	4.9 SSE,RR NE	4085	71h R1 L5 S5	80, 91, 100 oct. Fld lgts on req.
Lakeside	0.3 NE;RR S	20	25	Pole line S. Ctn. Hazardous.
Lakeview	3.5 SW,RR E	4728	53h S6	80,91 oct.
(A,N) MEDFORD	3.2 N,RR E	1329	54h R2 L5 S4	80,91,100 oct. Pole line NE. NATS
* Myrtle Creek,Int,39A,SF-SA	4 SW,riv,RR W	640	25 L3 S1	80 oct. Hill N.
(P) North Bend	1.2 WNW,bay NE	17	50h	
Piercy (Medford)	2.6 NW;hwy E	1250	20 S6	80,91 oct. Poles SE.
* Roseburg Int,41A,SF-SA	2.4 NNW,RR E	500	38 S6	80,91 oct. No sto.
Sutherlin Sky Ranch	3.8 ENE,rd E,S	575	18 S1	80 oct.
Tri-City (Riddle)	3.5 NE,RR N,W	700	19 S1	80 oct. P-line N,S.
NEW AIRPORTS				
B & H (Creswell,Ore.)	3.3 SSW;RR E	620	16 S6	80 oct. Trees NNE
Cottage Grove (Ore.)	1.9 S;riv S	640	22 S1	80 oct.
Grants Pass (Ore.)	1.6 N;RR W	1050	27 S6	80,91 oct. Poles, trees N.
101 Hereford Ranch (Laytonville,Calif.)	1 S;hwy E	1635	18 S1	80 oct.
(P) Shasta Sky Ranch (Fall River Mills,Calif.)	1 N;hwy E	3300	53 S6	80,91 oct. Soft. P-line W,SSW,E,ENE,S.
Elk Creed (Calif.)	0.7 SSE;hwy W	725	16 S1	80 oct. Obst sur fld.
Leith's (Gold Beach,Ore)	Adj W	16	23 S1	80 oct. Data unver.
Bieber (Calif.)	1 NE;riv W	4155	33	Soft in winter.
Westwood (Calif.)	1.5 W;hwy N	5100	22	
Tulana (Worden,Ore)	1 S;RR NW	4080	37 S6	80 oct. No sto. Pwr line NNE.
Redwood (Arcata,Calif)	7.6 NNW	217	60h R3 L	Exten experimental lgting. Closed.
Plumas Co (Beckwourth,Calif.)	0.8 ENE;RR SW	4900	36 S6	80,91 oct. P-line SE,S,SW.
Calpine (Calif.)	1 SE;rd N,E	5000	29 S1	91 oct. P-lines NE.

ELKO

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Air Term.)	350(BE)(vhf)	SBRAZ-DTV; 110°, 2.5	(3);116.1,122.1
BOISE AIR TERMINAL	278(126.18) (118.3)	AC	(4);126.18,118.3,122.5
EAGLE FM	(- - - -)	FM, 301°, 11.5	Boise
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise

NEVADA

BATTLE MTN.	281(BP)(116.1)	BMRLZ-DTV, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-DTV 200°, 0.8	(4), 116.1
→ FALLON	230 (VA)	SRAWZ; 219°, 2.9	
HUMBOLDT (Int.)	209(HD)(116.1)	BMRLZ-DTV 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-DTV 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno

NEW RADIO FACILITIES

HUBBARD (Reno)	278	CI	(4)(5-20 Wed,Sat,Sun; 8-16 other days.)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker;(3)-3105, 4495, 6210 kcs;(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW			ABANDONED
→ Boise Airpark	1.8 WNW;hwy W	2660	25 S6	80 oct. Right traffic when land. to NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct. Trees SE.
(P) Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct. Trees NW, bldg NE.
→ Emmett	2.6 SW, RR NW	2300	28 S6	80 oct. Trees WNW.
→ Floating Feather (Eagle)	2 E;riv 1.5 S	2635	39 S2	80 oct. Hills NE,NNE, SE.
(P) Glenns Ferry	1.3 WSW;RR N	2556	34 S1	Ltd 80 oct.
GOWEN (Boise)	See Boise Air Terminal under "New Arpts"-name chg.			
(A) Mountain Home AAF	10.7 WSW	3004	100h	TMP INACT NO FACS
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk. (Parma)	6.1 NNW,RR W	2200	28 S4	80 oct. No sto.
Parma	0.6 SSE;RR NW	2225	26 S1	80 oct.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct. No bcn. Lgts prior req.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)NC)-Not charted → NEW OR REVISED DATA

NEVADA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Austin OLF	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3 S1	
★ Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	52 S6	80,91 oct. Mts N,hill W
(P) ELKO-KEDDIE	1.8 W,RR S	5066	62h R1 L5 S4	73,91,100 oct. Hills SE.
★ Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
(N) Fallon	6 SE,hwy S	3931	70h L5 S4	80,91 oct.
HUBBARD (Reno)	3.4 SE;hwy W	4404	64h R2 L5 S4	80,91 oct.
★ Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW;hwy W	3980	24 S4	80 oct. Poles ENE,WSW
(P) " Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
→ Lovelock	1.5 ENE,riv W	3986	37 S4	80,91 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
→ Orovada (NC)	1.2 W,hwy E			ABANDONED
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fld CLOSED
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct. Poleline W.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

Alkali Lake Flgt Strip	7.5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	23.9 SW;hwy E	4050	60h L	Emerg only.
Vale	1.2 SSW;rvr E	2250	23 S2	80 oct. P-line NE.

NEW AIRPORTS

(NG) BOISE AIR TERMINAL, (Idaho)	4.5 SSW	2857	77h R2 L5 S6	80,91 oct.

22 ELKO

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS D: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS INDICATE 4 QUADRANTS

SPOKANE 3
VALE
NYSSA
PARMA
BAKER
121
EMMETT
117
FLOATING FEATHER
206
BOISE
350
(111.1, 116.1)
BOISE AIRPK.
CALDWELL
12
EAGLE
BRADLEY
RITCHEY
ROE-DAVIS
BURNS
D A
ALKALI LAKE
BOISE AIR TERM.
278 at 118.3 126.1 at
RED 1
290
63
MOUNTAIN HOME
41
26
MOUNTAIN HOME
MOUNTAIN HOME AFB
93
KING HILL
BURLEY
272
GLENNS FERRY
ROVIC
ORE
IDA
NEV.
SEATTLE
SALT LAKE CITY
OAKLAND
MEDFORD 19
NEV
RENO
254
(116.1)
LOVELOCK COM.
LOVELOCK
53
RENO SKY RANCH
RENO
AAB
99
HUMBOLDT
209
(116.1)
76
GREEN
49
BUFFALO VALLEY
228
48
126
44
WINNEMUCCA COM.
WINNEMUCCA
BATTLE MOUNTAIN
281
(116.1)
BATTLE MOUNTAIN FLGT STRIP
121
57
50
229
138
ELKO
391
(116.1)
140
110
219
LUCIN
31
RED 49
WENDOVER
320
301
WILDWORTH
27
FERNLEY
SPARKS
HUBBARD
278
LAHONTAN
LAHONTAN FLGT. STRIP
FALLON
230
45
225
318
AUSTIN OLF
CARSON CITY
DONNER SUMMIT
341
302
YERINGTON
NEV.
CALIF.
OVER
SALT LAKE CITY 23
FRESNO 77
LAS VEGAS 79

SALT LAKE CITY 23

●COMPULSORY REPORTING POINT
○NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓔ: EXTREMELY HAZARDOUS Ⓘ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

GREAT FALLS 6

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA

GOODING 215 (116.1)

BURLEY 272 (116.1)

IDAHO FALLS 359 (116.1)

POCATELLO 257 (111.1, 116.1)

MALAD CITY 314 (116.1)

STREVELL 335 (116.1) On request

LUCIN 302 (116.1)

OGDEN 263 (116.1)

FORT BRIDGER 382 (111.1, 116.1)

WENDOVER 248

SALT LAKE CITY 227 (111.1, 116.1)

FAIRFIELD 362 (111.1, 116.1)

DELTA 212 (116.1)

WENDOVER AAF 201 nc. 126.18 mc

HILL AAF 396 nc. 126.18 mc

SALT LAKE CITY NO. 1 278 nc. 118.3 mc

HINCKLEY 284 nc.

FRIEDMAN · CAMAS CO. · FLYING BAR'S · ALBERT · ADKINS · BILLY ANDREW · GOODING · JEROME · TWIN FALLS · BURLEY · IDAHOME · STREVELL · SAN JACINTO · IDAHO NEV. · ELKO 22 · TO KING HILL · ROBERTS · DUBOIS · ST. ANTHONY · REXBURG · BIGHAL MOUNTAIN · JACKSON · IDAHO FALLS · POCATELLO · HAYFIELD · POCATELLO AAF · ABERDEEN · UNIVERSITY · AMERICAN FALLS · AFTON · MONTPELIER · BEAR LAKE CO. · COKEVILLE · PRESTON · MALAD CITY · LOGAN-CACHE CO. · HILLCREST · KEMMERER · TREMONTON · CORINNE · BRIGHAM · HUNTSVILLE · EVANSTON CITY · EVANSTON · OGDEN ARPK. · BOUNTIFUL · LAYTON · PROMONTORY POINT · LUCIN · VENTOSA · LOW · TIMPIE · KNOLLS · GRANTSVILLE · SALT LAKE NO. 2 · MIDVALE · ALTA · UTAH CENTRAL · TOOELE · RIVERTON · FAIRFIELD · DUGWAY AAF · SPANISH FORK · PROVO · NEPHI · MT PLEASANT · CARBON CO. · MANTI-EPHRAIM · YELLAND · DELTA · NEV. UTAH · TO ELKO · TO ROCK SPRINGS · ROCK SPRINGS 26 · TO MILFORD · LAS VEGAS 79 · WINSLOW 81

102 · 388 · 332 · 192 · 176 · 12 · 282 · 186 · 236 · 56 · 93 · 326 · 147 · 271 · 92 · 9 · 330 · 269 · 152 · 156 · 154 · 94 · 61 · 260 · 79 · 162 · 336 · 332 · 78 · 250 · 66 · 342 · 92 · 343 · 182 · 237 · 67 · 244 · 246 · 97 · 187 · 277

D.A.

STATUTE MILES 0 25 50

OVER

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272(BX)(116.1)	SBRAPZ-DTV;200°,2.7	(4);116.1
GOODING (new)	215(GG)(116.1)	BHTV	(4);116.1,122.1
IDAHO FALLS (Mun.)	359(IF)(116.1)	SBMRAZ-DTV;192°,2.6	(4);116.1
MALAD CITY (Int.)	314(WT)(116.1)	SBRAZ-DTV;131°,3.4	(4);116.1
POCATELLO	257(PQ)(vhf)	BMRLZ-DTV;56°,2.5	(4);116.1,122.1
STREVELL	335(TV)(116.1)	MHPV	(4);116.1

UTAH

CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212 (VZ)(116.1)	SBRAZ-DTV, 7°, 3.6	(4); 116.1
FAIRFIELD (Int.)	362(JL)(vhf)	BMRLZ-DTV,2°,4.4	(4);116.1,122.1
HILL,(Ogden)	396 (126.18)+	CA	(4),4220;126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-DTV;156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-DTV,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
ROBERT H.HINCKLEY(Ogden)	284	CI	(4) (0830-2130.Wed-Sun;1130-2130.Mon,Tues)
SALT LAKE CITY	227(SL)(vhf)	SBRAZ-DTXV;163°,2.6	(3);116.1,122.1
Salt Lake City Arpt. #1	278 (118.3)	C (ILS-W)	(4); 122.5,118.3,126.18
TIMPIE FM	(- - -)	FM, 246°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 2.2	(3);126.18

WYOMING

FORT BRIDGER (Int.)	382(HM)(vhf)	SBRAZ-VDT.228°.2.4	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SALT LAKE CITY	110.3 ·•• ·-··	335	343°	IM-	MM- ·-·- (0.71)	OM- -- (4.69)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 190.58 mcs.

AIRPORTS

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW;canal E	4460	32 S6	80 oct.
Albert (Richfield)	5.2 NE,RR W	4400	23 S1	Ltd 80 oct. Hills N,S,W
American Falls	2 NE,RR NW	4404	38 S6	80 oct. Poles S.
Arco (NC)	1.5 ESE;RR SW	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE;rd S	5928	57h	
Buhl (NC)	5.7 W;hwy E	3690	41 S1	80 oct.
(P) Burley	1.3 ENE,RR SW	4149	41h R1 L5 S6	80,91 oct.Pole line WNW.
Camas Co. (Fairfield)	0.8 SW;RR,hwy N	5065	31 S1	80 oct.P-line E.
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	80 oct.
(P) Friedman (Hailey)	0.8 S,RR E	5300	52 S1	80 oct.
(P) Gooding	3.5 WSW,hwy N	3730	49h R1 L5 S6	80,91 oct.
Gooding (old)	4 SSW			ABANDONED
(P) IDAHO FALLS	2 NW,riv,RR E	4730	52h R1 L5 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4420	21 L5	
Jerome	3.3 ENE	3980	31 S1	80 oct.
(P) MacKay (NC)	0.8 SE,RR NE	5900	30 S2	80,91 oct.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4503	50h L3	73 oct.
Montpelier	0.6 NNE,RR WSW	5965	30 S1	73 oct. Mtn NE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
POCATELLO	5.8 NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 WNW	4445	84h	TMP INACT NO FACS
Preston	1.7 WNW,riv W	4800	28 S2	80 oct.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
→ St. Anthony	1.1 SSE,RR W	4965	40 S6	80 oct. SW blkd.NE bldg.
* Strevell Int, 10, SL-PO	0.3 NNW,hwy W	5270	31 R1 L2	Hwy S.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	40 S6	(NC) 91 oct. Trees N
(P) Twin Falls	6.5 S;Canal S	4200	40 S6	80,91 oct. Strips only-wet weather.
University (Ham's)(Pocatello)	1 ENE,hwy W	4550	35	Hills N,S. Emerg only.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	31	P-line SE,trees NW. Emerg only.

NEVADA

* Ventosa Int,48,SF-SL	0.5 N,RR S	5600	27 L3	
* Wells Int,46B, SF-SL	1.5 S,rd W			ABANDONED.
Yelland (Ely)	3.5 NNE;RR W	6258	60h S6	80,91 oct.

UTAH

Alta Arpk (Sandy)	2.3 E,RR W	4800	30 S6	80,91 oct.Hwy W.
→ Bountiful Sky Haven	2.6 WSW	4222	38 S4	80 oct. P-line S,NW.
→ Brigham	3 NW,RR S	4220	37 L4 S6	80 oct. P-line S.Wires W.
→ Carbon County (Price)	2.8 E,RR W	5800	58 S6	80 oct. Use strips only.
→ Delta	4.8 ENE,	4755	61h R1 L5 S3	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
→ Duchesne (NC)	2.2 NNE;hwy W	5700	55 S2	80 oct. P-line NW,W. Use strips only.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
→ Hillcrest (Logan)	2.7 NE,RR W	4780	27 L S6	80,91 oct. Port flood lgts.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	42 L3	
Logan-Cache Co. (Logan)	4 NNW,RR E	4460	53h L5 S6	80,91 oct. P-line NE,SE.
Low Flight Strip	11.8 W,hwy S	4241	71h	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4413	50 R1 L3	
→ Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	35 S4	80 oct.
Midvale	3 WSW;RR NW	4500	24 S6	80 oct P-line SE. Ctn when wet.
→ Mt. Pleasant	1.5 SSW,RR NW	5857	48 S6	80 oct. Trees NE. Use strip only.
→ Myton (NC)	1 E,riv N	5090	31	Stay on strips.
→ Nephi	2.5 NW	4800	48 S2	80 oct. Soft when wet
→ Ogden Airpark	4 S,hwy NE	4700	52 S6	80 oct. P-line NE. Fence S.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	
(P) Provo	2.8 WSW;lake W	4490	70h L5 S6	80,91 oct. Fld lgts prior req. Cattle on fld
(NG) SALT LAKE CITY #1	5 WNW;hwy S	4222	55h R3 L6 S6	80-100 oct. Rdo rec rqrd. Ltd 100 oct.
Salt Lake City No. 2	10.5 SSW,RR W	4617	56h S6	80,91 oct. 2-ech maint NG
Spanish Fork	2 NW,RR SE	4560	42 S6	80,91 oct.
→ Tooele (NC)	1.4 WSW,RR W	4985	52 S4	80,91 oct. P-lines N,NW.
→ Utah Central(Salt Lake City)	4 SW;hwy N	4240	37 S4	80 oct. Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4240	81h R2 L5 S6	73,91,100 oct. JP-1.

WYOMING

Afton	0.3 SW,hwy E	6239	29	N blkd.
Big Piney (NC)	2 N;hwy E	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
→ Evanston City	3.6 SSW	6800	30 S4	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
(P) Jackson	9 N,riv W	6400	52	
* Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L2	
Signal Mountain (Moran)	2.3 S	6800	45	Mtn 2 mi N.

NEW AIRPORTS

Hayfield (Tyhee,Idaho)	2 SE;RR W	4600	31 S6	No sto.
Evanston, new (Wyo.)	0.5 NE;hwys S,W	6730	30 S3	80 oct. Pwrline W.
San Jacinto (Nev.)	0.2 NE;RR W	5200	47 S1	91 oct. Batt.lgts on req.
Tremonton, (Utah)	0.5 W;hwy S	4322	28 S1	80 oct. S blkd.
Andrew (Shoshone,Idaho)	2.5 E;hwy N	4000	25	Soft in spring.
Adkins (Richfield,Idaho)	4.5 SW;riv S	4150	17 S2	81 oct. Soft in spring.

RADIO — COLORADO

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	BVAR-DTV	3105,3117.5;116.1,122.1
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	BVAR-DTV (ILS)	3105,4495,3117.5; 116.1,122.1

WYOMING

CASPER(Wardwell)	269(CW)116.1,111.1	SBRAZ-DTV;256°,2	(4);116.1,122.1
CASPER AAF	396(126.18)	CA	(3); 126.18
DOUGLAS	251 (DQ) (116.1)	BHTV	(4) :116.1
LARAMIE (Brees Fld)	245(LR) (116.1; 111.1)	SBMRAZ-DTV 137°, 2.2	(4);116.1,122.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (mun)	290(RT)(116.1)	SBRAZ-DTV, 246°,2.8	(4);116.1,122.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-DTV, 80°, 1.7	(4);116.1,122.1
PARKERTON,WYO.FM	(-)	FM; 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WALKER	110.3 ·---	335	110°	IM-	MM- ·--(0.69)	OM- -- (4.52)
					MMK-	OMK-

S-Simul. Range and Voice, W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. ÷ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — COLORADO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L1 S6	73,80,91 oct.
Glenwood Sprgs.	2 S	5900	31 S4	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
(P) Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
(P) WALKER (Grand Junction)	2.8 NNE;rd W	4842	54h L3 S6	80,91,100 oct.

UTAH

Roosevelt	1.3 NE;hwy S	5000	51 S2	80,91 oct. P-line NE,E, SE.
Vernal (new)	1 SSE;hwy N,E	5280	32 S6	80,91 oct. Use strips only.
Vernal (old)	7 ESE;riv 4 E	5200	34	Soft when wet.

WYOMING

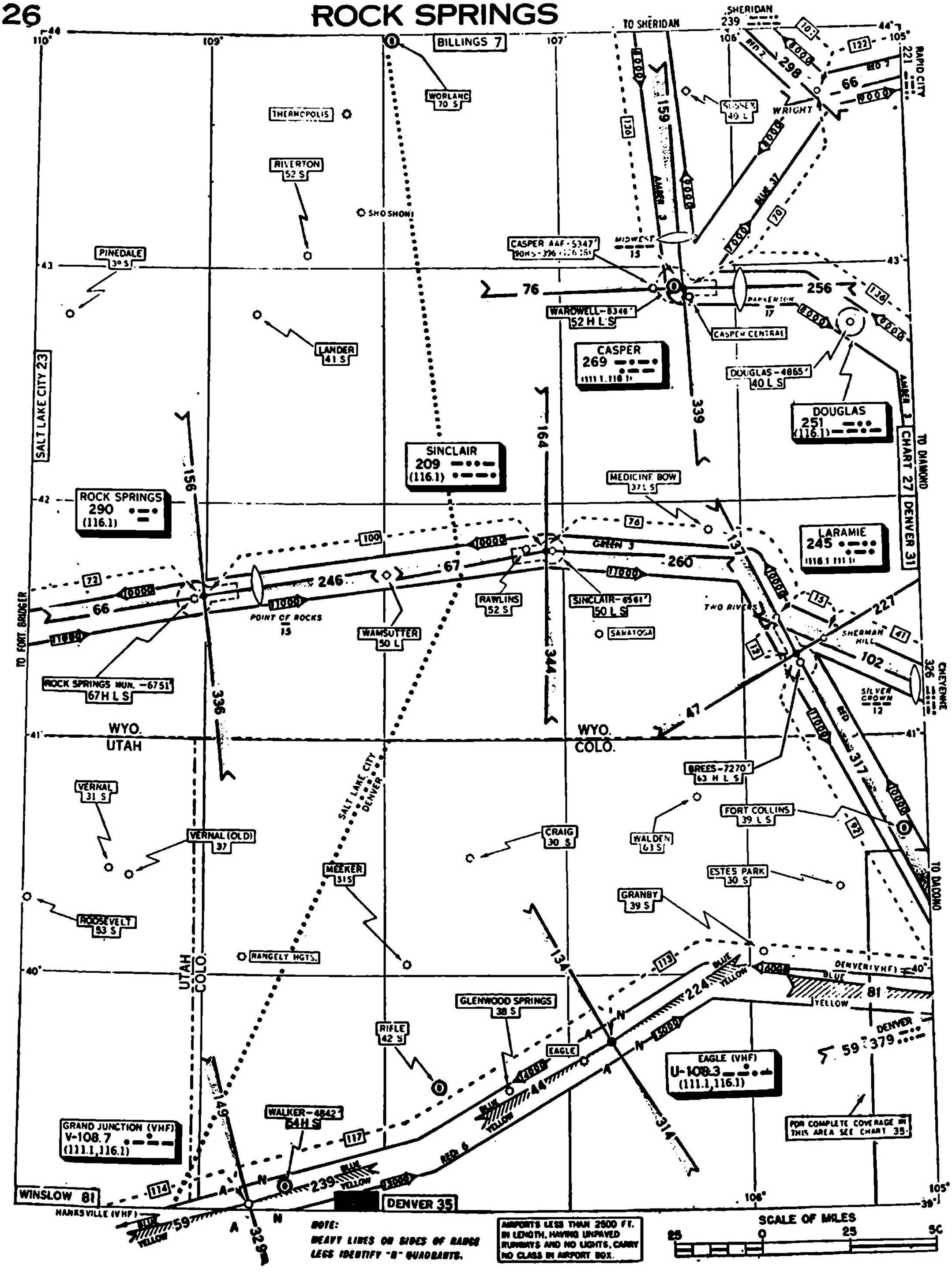
AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	90h R1 L S2	100 oct.
Douglas,11B,CX-GT	1.5 SE;RR W	4865	40 R1 L3 S2	73 oct. P-line NE.
General Brees (Laramie)	See Brees Field under "New Airports" – name changed			
Lander	1.5 S;riv W	5550	41 S2	73 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE; hwy N	7200	39 S1	80 oct.
Rawlins	2.3 NE;RR 1 S	6780	52 S4	80,91 oct.
(P) Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS (new)	8.8 E;RR N	6751	67h R1 L5 S2	73,80,91,100 oct;80 oct daylgt hrs only.
Rock Springs (old)	3.8 NNW	6370	58	(NC)
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3	
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	36 S1	80,91 oct. Hill SW.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR S	6812	50 L3	35 pole line SW
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,80,91 oct.
(P) Worland	2.5 S;canal NW	4185	68 S1	80 oct.

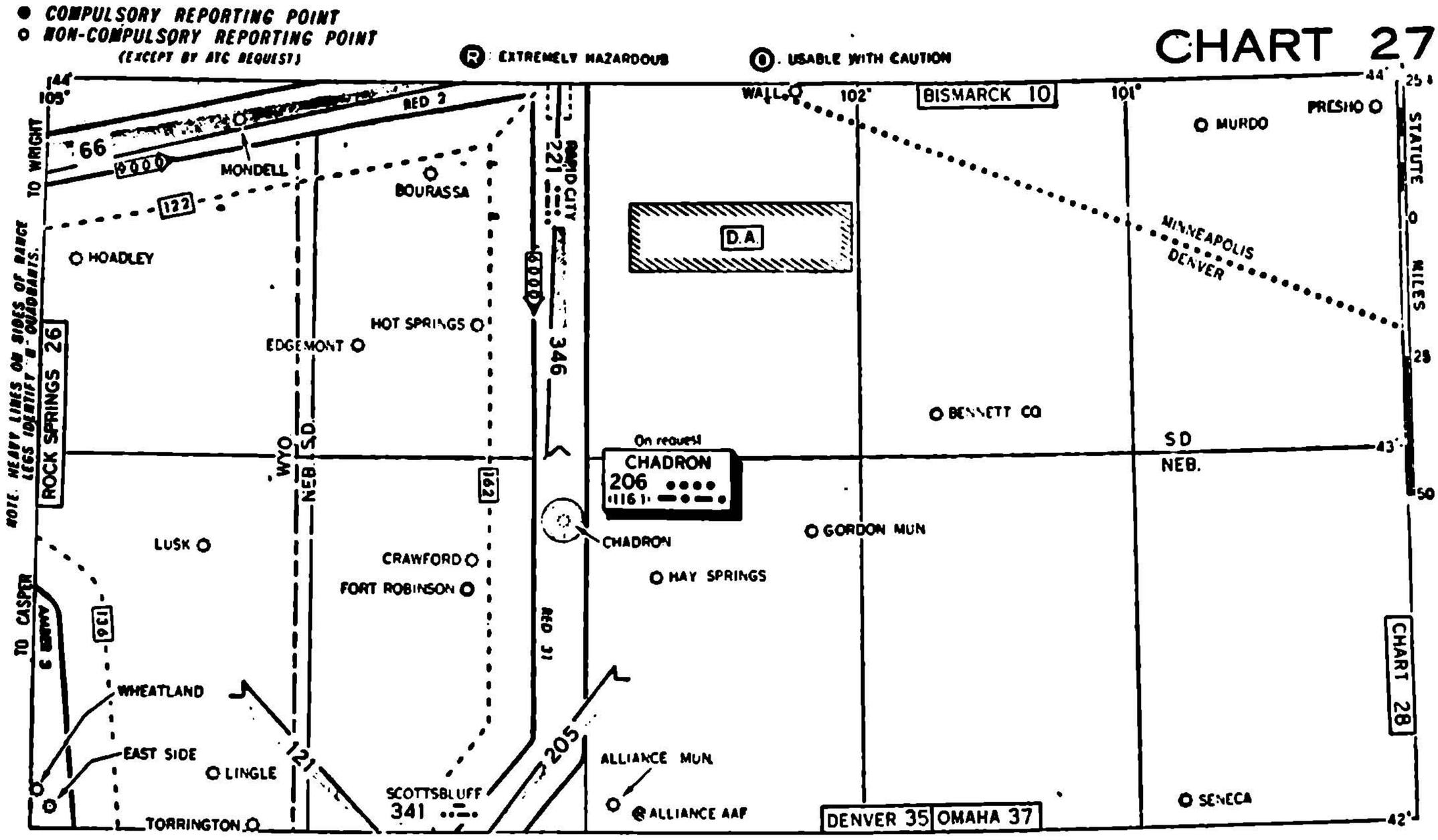
NEW AIRPORTS

Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S2	80 oct. Poles SE.
Saratoga Mun. (Wyo.)	0.7 SSW;riv E	6900	47 S1	80 oct. P-line ESE.
Eagle (Colo.)	4.5 WSW;RR N	6496	34	
Rangely Heights, (Rangely,Colo)	0.6 SE;riv N	5500	33 S1	80 oct. Hill adj SSW.
Brees (Laramie, Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Shoshoni (Wyo)	1 W;riv 2.5 W	4820	40 S4	80 oct. S blkd. P-line SE.
Laramie (Wyo.)	4 S;hwy W	7218	38 S1	Fuel. 100' Stack NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

ROCK SPRINGS

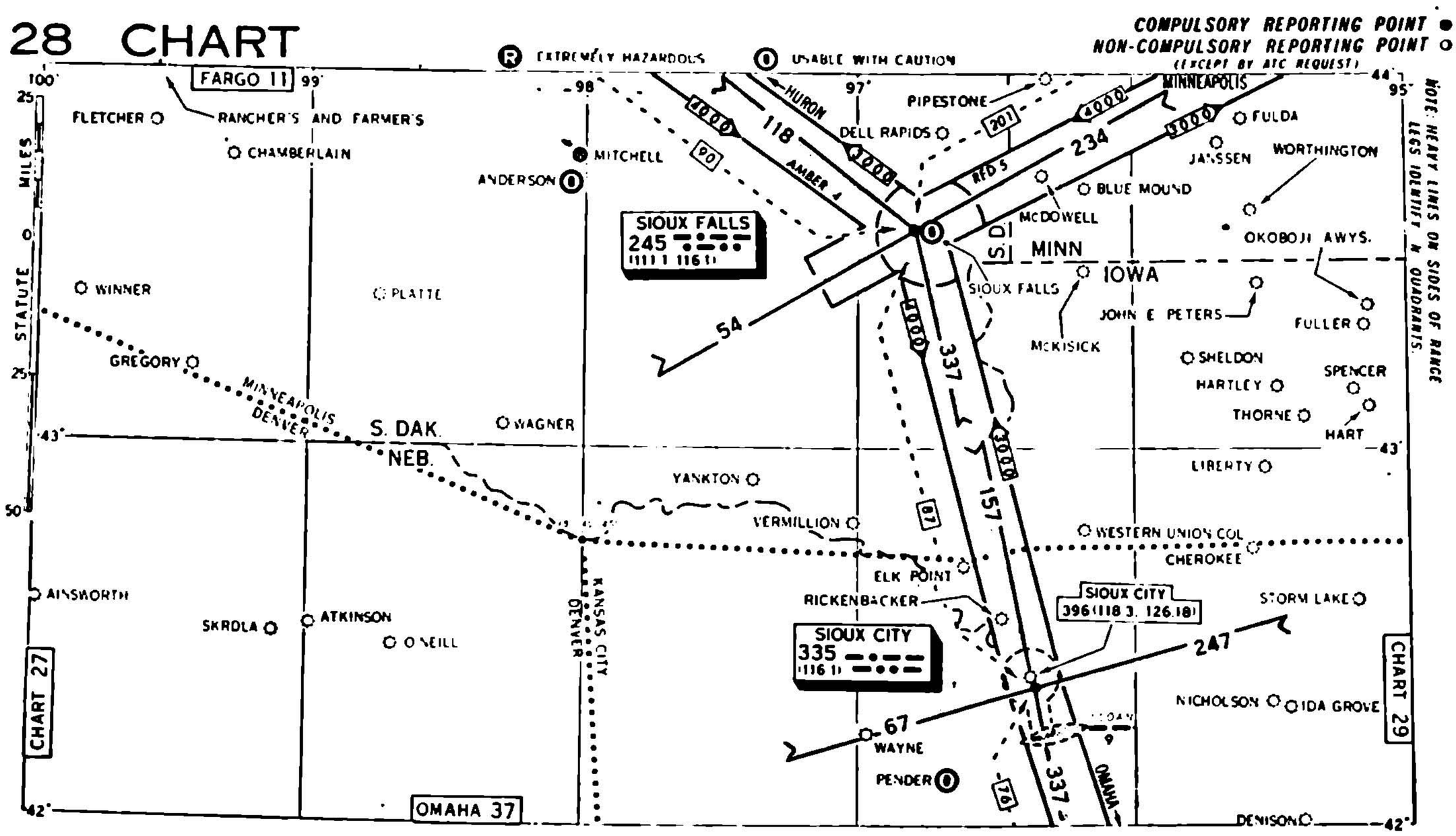




FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(A) Alliance AAF (Nebr) (A)	4.6 SE;RR N	3930	92h	CLOSED.
Alliance Mun. (Nebr)	2.8 SW;RR E	3965	53 S6	80 oct. Hwy E.
(P) Bennett Co. (Martin, S.D.)	4.4 SSE;riv N	3325	30 S1	73 oct. P-line sur fld.
Bourassa (Custer, S.D.)	1 ESE;hwy N	5301	30 S2	73 oct. Poles W, NW.
CHADRON H Fac. (Nebr)	206(HC)(116.1)		MHTV	(4); 116.1
(P) Chadron, 15, CX-HR (Nebr)	4.8 W;hwy S	3312	45 L3 S4	73 oct.
→ Crawford (Nebr)	3.8 NNW;hwy E			ABANDONED
East Side (Wheatland, Wyo)	0.7 E;RR W	4750	23 S4	80 oct.
Edgemont (S.D.)	1.1 SW	3575	30 S2	73 oct.
(A) Fort Robinson (Nebr) (A)	2 S;RR N	3920	18	
Gordon (Nebr)	1.3 E;RR N	3549	34 S4	73,80 oct. Poles N,S,W.
Hay Springs (Nebr)	2.5 W;hwy E	3840	17 S2	80 oct. P-line N.
Hoadley (Dull Center, Wyo)	9.4 NE	4176	24 S1	73,80 oct.
(P) Hot Springs (S.D.)	5.5 SSE;riv N	3075	52 S2	73 oct.
Lingle (Wyo)	1.2 N;RR S	4200	30	P-line SE.
Lusk (Wyo)	2.9 E;RR S	5000	42 S1	80 oct. P-lines SE,S,NW,N.
Modisett (Rushville, Nebr)	2.4 NE;RR S	3475	30	Bldgs, p-line E
Mondell (New Castle, Wyo)	6.2 WNW;RR N	4260	36 S2	80 oct. P-line N,E.
Presho Mun. (S.D.)	0.8 NW;RR S	1800	22 S1	80 oct. Poles N,NW,S.
Seneca (Nebr)	2.2 NNW;riv S	3200	26 S1	Ltd 80 oct. Twr NNW. NW
(P) Torrington (Wyo)	3.4 S;hwy W	4350	40 S2	73,91 oct. P-line S,SE,SW,W
Valentine (Nebr)	1.5 SSE;hwy E	2579	18	Not maintained. Rough. Poles
(P) Wheatland,6,CX-GT (Wyo)	3.4 NNW;riv N	4648	46 L3 S6	73,80,91 oct. Rough. NE.
NEW FACILITIES				
Murdo (S.D.)	1 WSW;hwy E,S	2300	25 S1	80 oct. NE,E blkd. Use ctn.
Wall (S.D.)	0.5 NW;RR E	2800	33 S2	73 oct. NE,E,SE,S blkd

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. **Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)→ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.**

28 CHART



FACILITY	FREQ.. IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ainsworth, mun.(Nebr)	7 WNW;RR S			ABANDONED
Anderson(Mitchell,S.D.)	2.7 W;RR N	1283	20 S6	80 oct.Poles sur fld.
Atkinson (Nebr)	1.4 SW;riv NE	2100	22	Trees S.P-line E,SE, N, NW.
Chamberlain (S.D.)	3.4 SE;hwy N	1680	26 S2	73,80 oct.Poles N,NW.
Cherokee (Iowa)	1 S;RR W,S	1218	19 S1	80 oct.
Dell Rapids Mun.(S.D.)	1.6 NE;RR SE	1450	20 S1	73 oct.
Denison (Iowa)	2.4 WSW;riv SE	1200	20 S2	80 oct.Trees SSW.
Elk Point (S.D.)	2.4 E;riv NE	1120	26 S2	80 oct.Poles N,NW.
Fletcher (Reliance,S.D.)	2 SE;RR NE	1600	20 S1	80 oct.
Fuller (Milford,Iowa)	0.7 NNW; hwy E	1440	36 S6	80 oct.Trees,poles E, W,S. Lake N.
Gregory (S.D.)	2.2 S;RR NE	2000	22 S2	73 oct.P-line E,SE.
Hart (Spencer, Iowa)	1.6 S;hwy N	1100	28 S4	80 oct.P-line NE,N.
John E. Peters (Ocheyedan, Iowa)	1.5 N;hwy S	1425	24 S2	80 oct.25' p-line S.
Liberty (Sutherland,Ia)	2.1 WSW	1465	23 S6	80 oct.35'p-line E.RRW
McDowell (Luverne) Minn.)	6 NW;hwy W	1640	25 S2	80 oct.
McKisick (Rock Rapids, Iowa)	3 N;riv W	1361	31 S4	80 oct. Trees W
(A) Mitchell AAF (S.D.)(A)	4 N;hwy E	1292	67h	CLOSED.
Nicholson (Ida Grove,Ia)	1.9 WSW	1120	20 S1	80 oct. RR N.
Okoboji Airways (Spirit Lake, Iowa)	2.8 SW;hwy E	1450	20 S2	80 oct. Poles NE.
Pender (Nebr)	1 NE;RR SW	1400	22 S2	73 oct.P-line S,SE.
Pipestone (Minn)	1 SE;RR E,W	1735	25 S6	80, 91 oct. No sto.
Platte (S.D.)	1.2 NNE;RR SW	1660	28 S1	80 oct.Poles SE,S
Rancher's & Farmer's (Reliance, S.D.)	9 N;rd N,S		30 S1	73 oct.Data unver
Richenbacher (Stevens, S.D.)	1 N;riv E	1114	28 S6	80, 91 oct.
Sheldon (Iowa)	5 NNE;RR W	1444	33 S6	80 oct.P-line S,W,SW,SE
SIOUX CITY Range (Iowa)	335(YX) (116.1)	337°, 1.9	SBMRL2-DTV	(3);116.1,122.1
SIOUX CITY Tower (Iowa)	396 (126.18, 118.3)		AC	(4);126.18,118.3,122.8
(A) [Sioux City] (Iowa)	7 S;RR E	1097	69h L5 S4	80,91 oct.;91,100 oct.
SIOUX FALLS Range (S.D.)	245(YL)(vhf)	93°, 2.2	SBRAZ-DTV	(4):116.1,122.1 mil acft.
(NG) [Sioux Falls Mun. (S.D.)	2.5 NNW;RR E	1420	57h L5 S6	80,91 oct;73,100 oct,
(P) Skrdla (Stuart,Nebr)	7.5 S	2090	30 S1	73 oct. 3-each maint NG
(P) Spencer (Iowa)	2.9 WNW	1335	40 S6	80,91 oct. RR S

FACILITY	FREQ.. IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Storm Lake (Iowa)	3.5 SSW;lk NE	1300	36 S2	80 oct.
Thorne (Moneta, Iowa)	2.5 S	1410	28 S2	80 oct.P-line,trees W.
Vermillion (S.D.)	3.8 WNW	1140	26 S4	80 oct.Poles N,RR NE.
Wagner (S.D.)	1.3 S;RR N	1464	30 S1	73 oct.Poles E,NW.
(P) Wayne (Nebr)	1.8 E;RR N	1475	33 S4	80 oct.P-line NW,
(P) Western Union (La Mars, Iowa)	1.3 SW;RR SE	1190	30 S6	80 oct. Low obst.
Winner (S.D.)	1.3 NE;RR SW	2038	26 S6	80,91 oct.
Worthington (Minn)	1.6 N	1570	32 S6	80 oct.No sto.Rot bcn in town.
(P) Yankton (S.D.)	2.3 N;hwy W	1400	37 S6	80 oct. Twr E.
O'Neill (Nebr.)	0.5 N;hwy N	2100	35 S6	80 oct.N,SE,S,SW blkd.
Janssen (Fulda, Minn)	5.5 SW	1500	21 S1	80 oct.
Fulda Mun (Minn)	0.5 NNW	1532	20 S4	80 oct.No sto.P-line S.
Hartley (Iowa)	7 SE;RR NE	1490	26	P-line SE.
Blue Mound Air Svc (LuVerne,Minn)	3 NNE;RR NW	1440	30 S2	80 oct.
Ida Grove Flying Svc (Ida Grove,Iowa)	2.5 SE;RR N	1100	20 S2	80 oct.
Ainsworth Mun (Nebr)	7.5 WNW;RR N	2580	73h L5 S6	80,91 oct.No sto.

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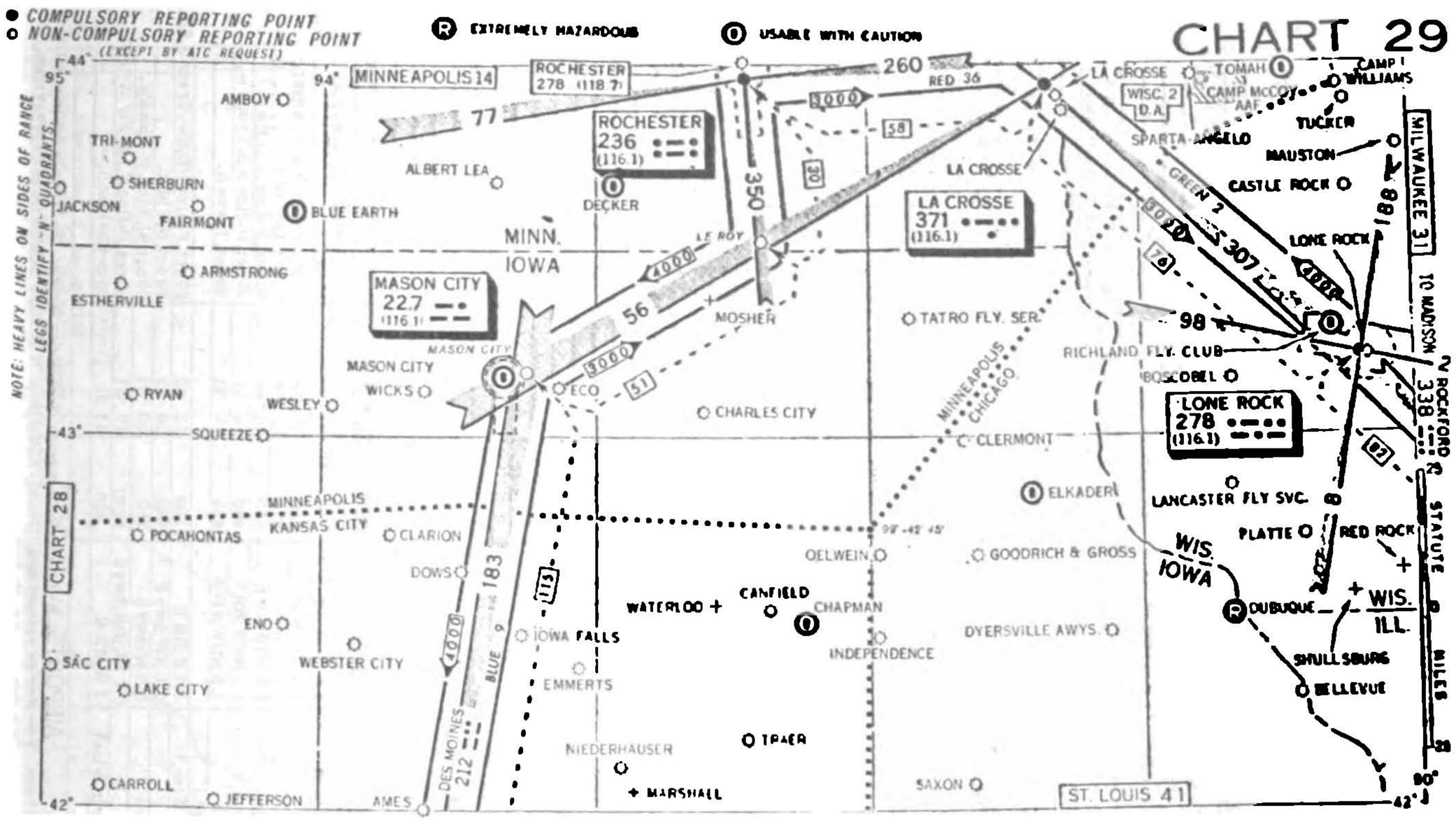


FACILITY	FREQ. IDENT ARPT. LOCATION	BEAR & DIST ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Albert Lea (Minn)	2.3 N;RR E	1255	32 S6	80 oct. P-line N
Amboy (Minn)	1 NNE;RR W	1000	24 S2	80 oct.
Ames (Iowa)	2.5 SSW;RR NW	920	25 S6	80 oct Lgt acft only.
Armstrong (Iowa)	3.2 NW;hwy S	1250	22 S1	Ltd 80 oct Trees E.
Bellevue (Iowa)	3.1 N;riv E	652	16 S1	80 oct. Rough
Blue Earth (Minn)	3 S;RR E	1111	26 S1	80 oct. Flares on req
(A) Camp McCoy (Wis)(A)	2 SSW	850	50	
(P) Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Canfield (Waterloo, Iowa)	3.5 NW;RR NE	800	32 S6	87 oct. P-line N.
Carroll (Iowa)	4.2 ESE;RR N	1196	34 S2	80 oct
Chapman (Waterloo, Ia)	5 E;RR NW	970	33 S6	80 oct. P-lines S
Clarion (Iowa)	1.1 NW	1162	27 S6	80 oct.
Clermont (Iowa)	0.8 S;riv W	800	21 S6	80 oct P-line SE,NE
← Conrad (Iowa)	3 WNW;RR S			ABANDONED. blkd
Decker (Austin, Minn)	1.7 E;hwy N	1224	29 S6	80 oct. No sto. N,S,W
Dows (Iowa)	1.5 SSE;RR NE	1144	28 S2	80 oct. NW.
(P) Dubuque (Iowa)	1.9 NE;riv E	602	27 S6	80,91 oct. Poles S,SE.
Dyersville Awys (Ia)	0.8 S;RR NE	940	16 S1	80 oct. Pwr lines NW,
Elkader (Iowa)	1.1 ESE;RR S	916	19 S2	80 oct. P-line NW. NE. Rnwy data unver.
(P) Emmerts (Eldora, Iowa)	2.8 NE;1k SW	1000	32 S6	80 oct. Poles NW,SE.
Eco (Ft. Dodge, Iowa)	2.5 E;hwy W	1126	27 S6	91 oct.
(P) Estherville (Iowa)	3.5 E;hwy S	1296	36 L S6	80 oct. Port rnwy lgts. Poles SE,SW
Fairmont (Minn)	3.1 S;hwy W	1180	25 L S1	80 oct P-line W. Flares
Goodrich & Gross (Strawberry Pt, Iowa)	3.5 W;RR NE	1200	19 S1	Ltd 80 oct. on req
← Grundy Center (Iowa)	1.3 ENE;RR S			ABANDONED
← Henry's (Floyd, Iowa)	5 NNE;RR W	1110	14 S1	ABANDONED
Independence (Iowa)	4.1 W;RR E	980	23 S2	80 oct. Poles N.
Iowa Falls (Iowa)	4.1 S;RR E	1140	24 S2	80 oct.
Jefferson (Iowa)	0.8 NNW;RR S	1052	25 S6	80 oct. No sto. P-line N.
LA CROSSE Range (Wis)	371 (LE) (116.1)	127°, 1.8	SBRAZ-DTV	(4); 116.1 No flood lgts.
(P) La Crosse (Wis)	5 NNW	663	53h L5 S4	80,91 oct. Bet rnys.
* La Crosse Int, 33A, CG-Twin Cities (Wis)	6 NNW; RR NE	667	37 L3	Pole E.
Lake City (Iowa)	3.5 NNE;RR S	1200	26 S1	80 oct.
LONE ROCK Range (Wis)	278 (LK) (116.1)	88°, 0.0	BMLZ-DTV	(4); 116.1
* Lone Rock Int, 15, CG-→ Twin Cities (Wis)	2 N;rd W,N	714	39 L3 S2	80,91 oct. P-line NE

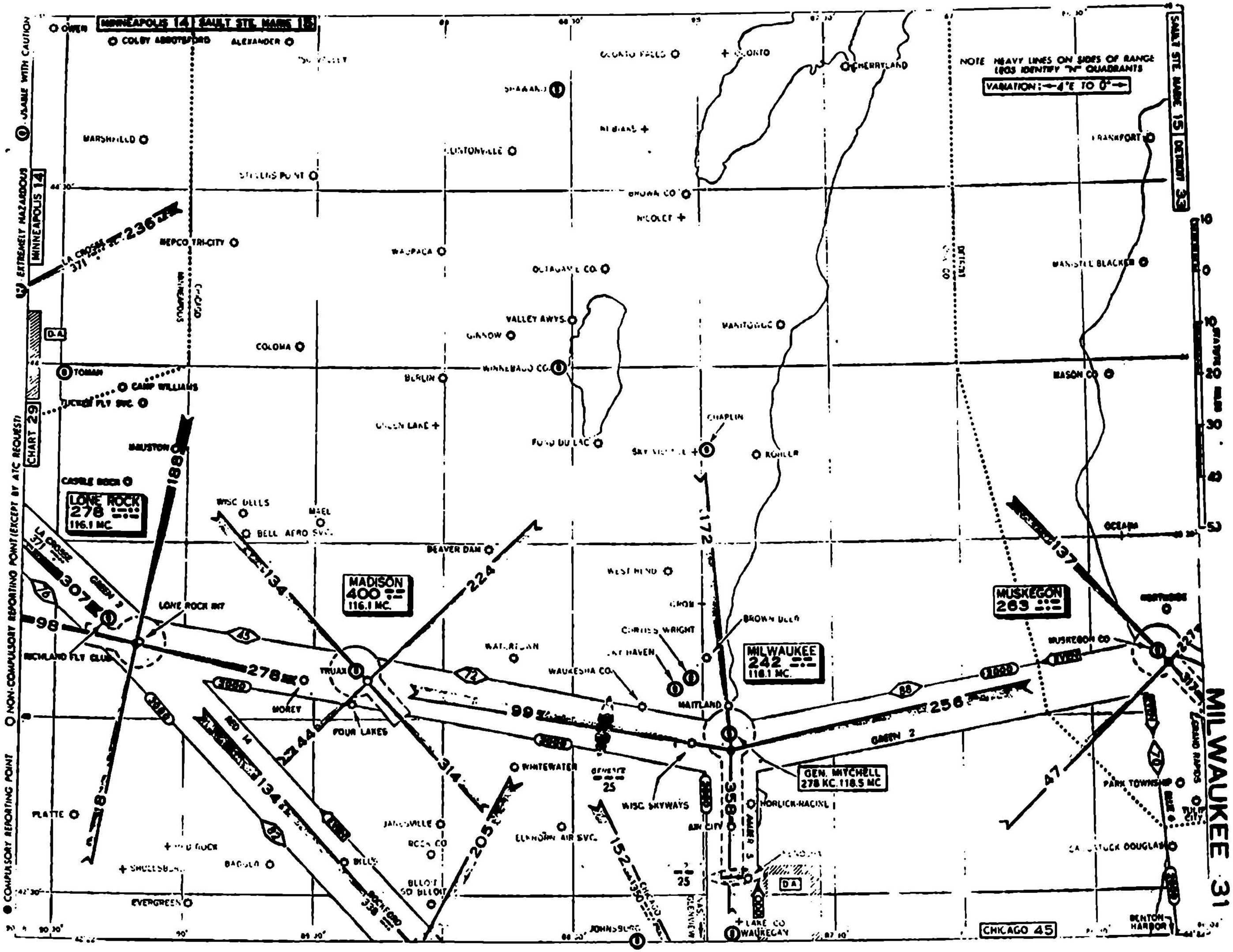
FACILITY.	FREQ. IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
MASON CITY R Fac. (Ia)	227(NM)(116.1)		BRTV	(4);116.1,122.1(emer.)
(P) Mason City, (Iowa)	7 W;hwy S	1215	56h L5 S6	80,91,100 oct. Poles
Mosher (Riceville, Ia)	1 W;hwy S	1263		80 oct. P-line S. SSE. Data unver.
← Niederhauser (Marshalltown, Iowa)	2.3 N;hwy E			ABANDONED
Pocahontas (Iowa)	0.8 E	1216	25	Pole line SW.
Red Rock (Darlington)	6 SE;RR E		12 S1	80 oct. Data unver. (Wis)
Richland Center (Wis)	6 SSE;hwy W		23 S1	80 oct. Trees E,S. Data
ROCHESTER Range (Minn)	236 (RR) (116.1)	350°, 2.6	BMRLZ-DTV	(3); 116.1 unver.
ROCHESTER Tower (Minn)	278 (118.7)		C	(4); 118.7,122.5
Rochester Mun (Minn)	1.7 SSE;RR W	1040	43h L4 S6	80,91 oct. P-line E,N,W
Ryan (Emmetsburg, Ia)	1.5 W;RR N	1225	18 S2	80 oct. Trees NW.
Sac City (Iowa)	3 SSE;riv W	1160	19 S2	80 oct.
Saxon (Cedar Rapids, Ia)	7 NE;hwy S	880	26 S6	75 oct. P-line N
Sherburn (Minn)	2 WNW;RRs S,E	1300	21 S2	80 oct. Pwr line ESE.
← Shullsburg (Wis)	1.1 S	1080	17 S6	80 oct. Trees SW.
Sparta-Angelo (Wis)	2.2 NE;RR E	800	25 S4	80 oct. Poles pwr 0/d.
Squeeze (Algona, Iowa)	5 S;riv S	1201	26 S2	80 oct. P-line NW,W.
Tatro Fly Svc. (Decorah)	2.6 NW;riv W	918	26 S5	80 oct. (Iowa)
Tomah (Wis)	1 E;hwy S.	970	18 S4	80 oct, 180' hill E.
Traer (Iowa)	1 ENE;RR SW	885	16 S2	80 oct. P-line E.
Tri-Mont (Triumph)	0.9 S;RR W,E	1250	24 S1	80 oct. (Minn)
(P) Waterloo (Iowa)	4 NW;RR S,E		54h L5 S1	80,91 oct. Data unver. No flood lgts.
Webster City (Iowa)	3.3 SW;riv E	1100	26 S4	80 oct. No sto.
Wesley (Iowa)	1.5 E;RR N	1250	31 S1	80 oct. P-line N,S.
Wicks (Garner, Iowa)	1.5 NW;RR S	1230	26 S2	80 oct. Poles NW,SW.
Jackson (Minn)	2 N	1440	28 S2	80 oct. P-line S.
Charles City (Iowa)	3.3 E;RR S	1080	28 S2	80 oct. P-lines N,S,SW,NW.
Eco (Mason City, Iowa)	2.5 ESE;riv S	1216	26 S6	80 oct. P-line N,NW.
Oelwein (Iowa)	3 W	1050	26 S6	80 oct. P-line N,W.
Niederhauser (Marshalltown, Iowa)	4 N;hwy E	900	32 S6	80,91 oct. No sto. P-line N,W.
Marshall Fld (Marshalltown, Ia)	3 E	890	S6	80 oct. Data unver.
← Lancaster Flying Service (Wisc.)	1.8 SNE;RR NW	1110	24 S6	80 oct. Fallen trees SE.
← Mauston (Fernerweir, Wisc.)	2.5 W;RR N	880	15 S1	80 oct. N blkd.
← Boscobel (Wisc.)	2 NE;RR S	670	27 S1	80 oct. Bluffs NNE,SE,NW.
← Castle Rock (Wonewoc, Wisc)	1.1 NNW;RR S	860	16 S1	80 oct. P-line N,S.
← Tucker Fly. Service (New Lisbon, Wisc)	0.6 NNW;riv E	880	13 S1	80 oct. Trees E.
← Platte (Platteville, Wisc)	3.1 E;RR E	1100	22 S2	80 oct. P-line NE,SW.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3108, 4495, 6210 kcs. (4)-3108, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.86, 149.58 mcs. h-hard surfaced runways. R-radio facilities.
L-lighting facilities. S-servicing (see page XIII) ← NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. R.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Air City (Sturtevant, Wis)	0.6 SE;hwy N	633	26 S6	80,91 oct.P-line NW. Const. on strips.
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct. Lgts prior req.
Badger (Monroe, Wis)	1.8 SW;RR N	1080	20 S4	80 oct. Fense S,W.Hwy E
Beaver Dam Inc. (Wis)	1.7 W;lake N,E	910	20 S4	80 oct.
Bell-Aero Service (Baraboo, Wis)	4 NNW;hwy W	980	21 S1	80 oct. N/S strip rough.
Beloit-S. Beloit (South Beloit, Ill)	1 S;RR E	772	33 S6	80,91 oct. Hill NE.
Bill's (Broadhead, Wis)	1.8 S;hwy S	780	24 S2	80 oct. SE blocked.
Brown Co.(Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct.E,ESE,SE blocked.
Brown Deer (Milwaukee,Wis)	10 NNW;RR E	681	25 S6	80 oct. P-lines N.
Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Chaplin Arpk (Plymouth,Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P) Clintonville (Wis)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blocked. Pwr line NE,SW, W.
Colby-Abbotsford(Colby,Wis)	1.2 NNW;RR E	1400	26 S2	80 oct.P-line NNE.
Curtis-Wright (Milwaukee,Wis)	9 NW;riv W	750	27 S6	80,91 oct.NE,E blkd.Hi-line N.
➔ East Side (Green Bay, Wis)	1.8 SE;RR S			ABANDONED
Elkhorn Air Service (Wis) (Warren,Ill.)	1.5 N;hwy E	1000	21 S6	80 oct. Rough and rolling. P-line E, W.
➔ Evergreen Flying Club	1.4 SSE;hwy W	1000	26	PRIVATE
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct.P-line N,NE,NW. SE blocked.
Four Lakes (Madison, Wis)	3 SSE;lake N	881	25 S6	80 oct. P-line W.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GENERAL MITCHELL Tower	278 (118.5)		C	(4); 118.5, 122.5
(P) [General Mitchell] (Milwaukee, Wis)	6 S;RR E	676	50h L4 S6	80,91,100 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Rough
Green Lake (Wis)	4 W;hwy S	960	22 S1	80 oct. Data unver.
Grob (Cedarburg, Wis)	2 N	875	24 S4	Data unver.
Horlock-Racine (Racine,Wis)	2 N;RRs E,W	665	25h L1 S6	80,91 oct.Trees N,SE.
Janesville City (Janesville, Wis)	1.8 NNE;RRs NW	880	26 S6	80,91 oct. 51' twr SE; p-line E.
➔ Jefferson (Wis)	1.7 WSW;riv E			ABANDONED.
Johnsburg Arpk (Ill)	0.4 SSW;riv S	740	20 S4	80 oct. P-line NNW.
Kenosha (Wis)	2 S;RR W	623	29 L S6	80,91 oct. Flood lgts. P-line SW, NW.
(P) Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct. SE blocked.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Data unver.
Lake Co. (Waukegan, Ill)	4.4 NNW	718	40 S6	80,91 oct. Data unver.
LONE ROCK Range (Wis)	278(LK)(116.1)	98°,0.0	BMLZ-DTV	(4); 116.1
★ Lock Rock Int.15.CG-Twin Cities (Wis)	2 N;rd W,N	714	39 L3 S2	80,91 oct. No flood lgts. P-line NE.
MADISON Range (Truax)(Wis)	400(MA)(116.1)	314°,2.6	BMLZ-DTV	(4); 116.1
Mael (Portage, Wis)	1.6 NW;lake SE	820	26 S6	80 oct.Obsts sur fld
Maitland (Milwaukee, Wis)	3 ESE;lake E	590	25 S6	73,80,91 oct.Stack S.
MILWAUKEE Range (General Mitchell)(Wis)	242(MK)(116.1)	352°,2.5	SBRAZ-DTV	(3); 116.1
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct. P-line W.SW. SSE.Bndry lgts inop.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 L S6	80 oct.Flare pots in emerg
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
Morey (Madison, Wis)	2 NNW;hwy E	928	33 S6	80 oct.S blkd.Trees NW.
➔ MUSKEGON Range (Muskegon Co.) (Mich)	263(UK)	317°,2.8	BMRLZ-DT	(4)
(P) [Muskegon Co.] (Mich.)	3.5 S;lake N	627	40h L3 S6	80,91 oct.Bldg NE.Bndry lgts on req only.
Nesco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts prior req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct. P-line E,W. Data unver.
Oconto Falls (Wis)	2.7 ENE;RR S	600	20 S2	80 oct. P-line N.
Outagamie Co. (Appleton,Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
Park Township (Holland, Mich)	3 WNW;bay S	612	27 L4 S6	73,80 oct. No bcn. Lgts prior req.
Red Rock (Darlington,Wis)	5 SE;RR E		12 S1	80 oct. Data unver.
➔ Richland Fly. Club (Sextonville,Wisc)	0.2 NW;riv W	724	23 S2	80 oct.Pole W. Trees E,SSE.
(P) Rock Co. (Janesville, Wis)	4.5 SSW;RR W	807	54h L5 S2	80, 91 oct.
➔ Saugatuck-Douglas (Douglas, Mich)	1.8 S;hwy W	670	26 S2	80 oct. W blkd.
Shawano (Wis)	2.3 ENE;lake NE	813	40 L S6	80,91 oct. Poles SW.Lgts prior req.Rnwy data unv.
Shullsburg (Wis)	0.5 S	1000	18 S1	80 oct. Trees SW.Data unver.
Skyhaven (Milwaukee,Wis)	10.5 WNW;hwy N	800	25 S6	80 oct. P-line N. Trees E,S; hill W.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
(A) [Truax] (Madison, Wis)	5 NE;hwy E	859	60h L5 S6	80, 91 oct. ARMY TEMP INACT. CIVIL FACS.
Valley Airways (Neenah,Wis)	4 SSW;RR E	750	21 S2	80 oct.P-line E.Data unver.
Watertown (Wis)	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
Waukegan (Ill)	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Waukesha Co. (Wis)	1.8 N;hwy NE	904	31 S6	80,91 oct. S, NW.blkd.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
➔ Waupun (Wis)	3.5 W;hwy SE			ABANDONED
West Bend Fly.Svc. (Wis)	2.5 E;riv S	880	21 L3 S6	80 oct. Fld lgts prior req Poles sur fld.N,NE,NW
Whitewater (Wis)	2 N;RR S	810	22 S5	80 oct. P-line blkd. ESE. E,ENE blkd.
(P) Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.No sto.P-line NE N,W.Rnwy data unver.
Wisconsin Dells-Lake Delton (Lake Delton, Wis)	0.8 SE;riv NW	910	24 S6	80,91 oct.P-line SE.
Wisconsin Skyways (Hales Corner, Wis)	0.7 SSE;hwy W	770	21 S2	80 oct. Trees SW.
➔ Wisconsin Valley (Rothschild)	2 S;RR,hwy W	1180	30 S4	80 oct,P-line N,NW.
NEW FACILITIES				
Northside (Muskegon,Mich)	5.4 NNE	590	29 S4	73 oct.No sto.Refinery SW
Oceana (Rothbury, Mich)	1 2 W;hwy E		30 S1	80 oct.
Oconto Mun. (Wisc)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver.
Tomah (Wisc)	1 E;hwy S	970	18 S4	80 oct.180' hill E
➔ Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy 7
➔ Castle Rock(Wonewoc,Wisc.)	1.1 NNW;RR S	960	19 S1	80 oct.P-line N,S.Trees W.
➔ Tucker Fly. Service (New Lisbon,Wisc.)	1.6 NNW;riv E	880	13 S1	80 oct,Trees E.
➔ Platte (Platteville,Wisc.)	3.1 E;RR E	1100	22 S2	80 oct,P-line NE,SW.Trees S,SE.
➔ Coloma (Wisc.)	3.0 NW;hwy E	1065	26 S2	80 oct,N,S blkd.
➔ Berlin (Wisc.)	2.9 W;hwy S	780	20 S1	80 oct,SE blkd. P-line SW.
➔ Owen (Wis)	0.7 NE;RR,hwy S	1279	19 S1	80 oct.P-line N,NE,SW,W,NW.
➔ Mauston (Lemonweir,Wisc)	2 W;RR N	880	15 S1	80 oct,N blkd.

RADIO: **S - Simul. Range and Voice. W - Without Voice.** Z - VHF Range Station Location **Marker.** (3) - 3105, 4495, 6210 kcs. (4) - 3105, **4495, 6210, 3117.5 kcs.**
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice **on 116.1 and 111.1 mcs. + - Army** A.C.S. transmits on **and guards 116.1, 127.65, 140.55 mcs.**
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled **time, Second Alternate time)**

AIRPORTS: **h - hard** surfaced runways. **L - Lighting facilities. S - Servicing (see page XIII)**
➔ New or revised data. [Jones] - Airline Stop. **N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.**


MINNEAPOLIS 14
SAULT STE. MARIE 15
DETROIT 33
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "M" QUADRANTS
VARIATION: 4°E TO 0°
CHART 29
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
LONE ROCK 278 116.1 MC.
MADISON 400 116.1 MC.
MILWAUKEE 242 116.1 MC.
MUSKEGON 263
GEN. MITCHELL 278 KC. 118.5 MC
CHICAGO 45
MILWAUKEE 31
OWEN
COLBY ABBOTSFORD
ALEXANDER
MARSHFIELD
STEVENS POINT
WISC. RAPIDS
WAUPACA
OSHKOSH
FOND DU LAC
BERLIN
COLOMA
WINNEBAGO CO.
OCONTO
PESHTIGO
MARINETTE
MANISTIQUE
MASON CO.
FRANKFORT
CHAPLIN
ROHLER
TOMAH
CAMP WILLIAMS
BARABOO
WISC DELLS
BEAVER DAM
WEST BEND
BROWN DEER
CHRISTIE WRIGHT
WAUKESHA CO.
MAITLAND
WHITEWATER
FOUR LAKES
MOREY
PLATTE
EVERGREEN
SHULLSBURG
BADGER
JANESVILLE
ROCK CO.
ELKHORN AIR SVC.
WISC SKYWAYS
HORLICK-RACINE
AIR CITY
LAKE CO.
WAUKEGAN
JOHNSBURG
OCEANA
MUSKEGON CO.
PARK TOWNSHIP
GRAND RAPIDS
BENTON HARBOR
CA. STUCK DOUGLAS
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RED 999
RED 1000

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Abrams (Grand Ledge, Mich)	1.5 NE	844	26 S2	80 oct.S,W blkd.Trees E.
Allegan (Mich)	1.9 E; RR S	701	21 S4	80 oct.P-line SE.Trees NW.
Allen's (Pontiac, Mich)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW;SW blkd.
(P) Alma (Mich)	1.3 NE;riv SE	750	32 S4	80 oct. Tanks S.
Au Gres (Mich)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW. NW blkd.
Austin Lake (Kalamazoo,Mich)	8.5 SSE;lake N	860	27 S4	80 oct.Poles N.Trees E,S,W
→ Aviation Co.Club(Galesburg)	1.8 WSW;lake S	800	10 S1	80 oct.Trees NE,NW.(Mich)
Baker's (Port Huron, Mich)	3 NNW;riv N,E	585	26 S6	80 oct.Poles NW,N,S,SW
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct.Trees NE blkd.
Bangor (Breedsville, Mich)	0.6 WNW;RR E	654	18 S4	80 oct.N blkd.Trees S
Barry (Saginaw, Mich)	3 WSW;riv S	599	19 S4	80 oct.
BATTLE CREEK Range(Kellogg)	272(JC)(116.1)	3°, 3.2	BMLZ-DTV	(4); 116.1 (Mich)
Beach (Charlotte, Mich)	1.8 ENE;RR NW	880	25 S6	73 oct. No sto.
Belding Fliers Inc. (Mich)	2.1 W;RR E	790	27 S6	80 oct.S blkd.Trees W,NE.
BISHOP Tower (Mich)	278 (118.3)		C	(4); 118.3, 122.5
(P) [Bishop] (Flint, Mich)	4 SSW;hwy N	781	50h L5 S6	80, 91 oct. Trees N,NE.
Brooks (Marshall, Mich)	1.3 S;hwy W	950	26 L3 S6	80 oct.P-line SW,W
CADILLAC H Fac.(Int)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac,23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
(P) [Capital City] (Lansing,Mich)	3.8 NW;RR S	857	42h L4 S6	73,80 oct.
Caro (Mich)	3 WSW;RR SE	741	22 S2	80 oct.S,SE blkd.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct.P-line N.
Croswell City (Mich)	1 W;RR,riv E	732	26 S1	80 oct. S blkd.
→ Dalton (Flushing, Mich)	2.2 E;riv 0.8 SW	735	26 S4	80 oct.N,S appchs blkd.
→ DETROIT H Fac (Mich)	338(D)	329°,2.2	MHW	(Cont.) Detroit
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-caution.
Elsie (Mich)	0.3 SSE;RR NNE	730	19 S2	80 oct. Bldg W.
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S.
FLINT H Fac. (Mich)	335(FN)(116.1)		MHTV	(3); 116.1
Forrest (Fostoria, Mich)	3.4 S;riv SE	830	24 S1	80 oct.P-line sur fld.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GLADWIN H Fac. (Mich)	257 (GU		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND RAPIDS Range (Kent Co)	329(GR)(116.1)	303°,2.0	BMRLZ-DTV	(4); 116.1 (Mich)
Grand River Arpk (Comstock Park, Mich)	0.4 SW;riv E	614	30 S2	Fuel & sto.P-lines S, N.
Greenville (Mich)	2.5 S;RR E	800	22 S2	80 oct.Poles W,NE,E
Harbor Beach (Mich)	2.5 W;rd S	670	20 L S2	80 oct.Floods prior req Poles SE,NE.
Harrison (Mich)	2.3 NNW;hwy E	1100	26 S2	80 oct.S blkd.Ctn-rough
Hastings (Mich)	3.2 WNW;RR SW	802	34 S6	80 oct.P-line N.Trees sur fld.
Houghton Lake (Houghton Hgts)	1.2 WNW;lk NNE	1150	27 S2	73,80 oct.Rdo twr W,N lgtd.
Howell (Mich)	0.8 N;lake E	930	20 L1 S1	80 oct.
→ Ionia (Mich)	3 S;hwy W	810	24 S6	80 oct. Poles W
Jack Barstow (Midland,Mich)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct.Bcn prior req.(Mich)
JACKSON H Fac. (Mich)	257 (JN)		MHT	(4)
Jewett (Mason, Mich)	1.3 SE;RR W	920	22 S2	73 oct. Poles W.
Johnson's (Ithaca, Mich)	1 ENE;RR S	750	17 S2	80 oct. Ltd sto.
(P) [Kellogg] (Battle Creek,Mich)	3 WSW;RR bed W	936	62h L5 S6	80-100 oct.Lgts on req
(P) [Kent Co.](Grand Rapids,Mich)	3.5 S;RR NE	681	44h L3 S6	80,91 oct.Obst sur fld.Rdo reps.
Lakeview (Mich)	1.1 NNE;lake S	900	19 S6	80 oct.Trees N,E,NW.
LANSING Range (Capital City)	206(LJ)(116.1)	280°,3.0	SBMRAZ-DTV	(4);116.1 (Mich)
(P) Lapeer (Mich)	2.4 ENE;RR S	830	34 S6	80 oct.Poles NW;bldg W,SW
La Porte (W.Branch,Mich)	6 SE;RR W	890	26	P-line NW.Trees NE,SW.
Leach (Hartford, Mich)	1 NNW;RR E	664	26 S5	80 oct.
(P) Lindbergh (Kalamazoo,Mich)	3 W;RR W	872	40h S6	80,91 oct.P-line SE,S.
→ Maple Rapids (Mich)	0.7 ESE;riv N	760	21 S2	80 oct.Obst sur fld.Ctn soft.
Marks (Lawton, Mich)	1 N; RR S	770	25 S5	80 oct. Poles W, ENE.
(P) Mecosta Co.,5,GR-TG (Big Rapids, Mich)	1.5 NW;RR E	928	39 L3 S4	80 oct. Pole SE
Miller (Eaton Rapids,Mich)	1 ENE;riv W	908	21 S1	80 oct.
Mt. Pleasant (Mich)	2.2 NE;riv N	755	36 S4	80 oct.E,SE,SW,W,NW blkd.
MUSKEGON Range (Muskegon Co)	263 (UK)	317°,2.8	BMRLZ-DT	(4) (Mich)
Newaygo (Mich)	0.8 SSE;hwy W	785	20 S5	80 oct. Trees S.
Northside (Muskegon,Mich)	5.4 NNE	598	29 S4	80 oct. All appchs blkd. Ctn-use strips.
(A) Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Park Twnship (Holland,Mich)	3 WNW;bay S	612	27 L4 S6	80 oct.No bcn.Lgts prior req. Poles S,SE,W.
Paw Paw (Mich)	2 N;riv E		26 S3	80 oct. Data unver.
Pontiac (Mich)	6.4 WNW	970	21h L4 S6	80,91 oct.
(P) Reynolds (Jackson, Mich)	2.5 WNW;RR S	990	40h L5 S6	80,91 oct,P-line SE,S.Lgts on req
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1
Roscommon (Mich)	2.5 SE;RR NE	1100	42	P-line S.
Roscommon Co.(Prudinville)	4.5 N;riv N	1150	24	Trees sur fld. (Mich)
SAGINAW H Fac. (Mich)	212 (SI)		MHT	(4)(cont)
Saginaw (Mich)	4.5 E;RR N,S	601	33 L4 S6	80 oct. Poles S,SE,SW. Lgts on req. Trees NW,NE
St. Clair Co.(Port Huron,Mich)	5.5 SW;hwy S	650	23 L1 S5	80 oct.Poles NE,SE,SW
St. Helen (Mich)	0.9 SE;RR NE	1153	26	
Saugatuck-Douglas (Douglas, Mich)	2 S;hwy W		26 S1	73 oct. Data unver.
Seely's (Davison, Mich)	4 WSW;RR N	780	20 S6	80 oct.N,NE blkd.
SELFRIDGE Army Range (Mt. Clemens, Mich)	388 (DLD)	119°,1.2	SBMRAZ	(3); 126.18
SELFRIDGE Tower (Mich)	396 (126.18)+		CA (ILS-W)	(3) only.
(A) Selfridge (Mt.Clemens,Mich) (A)	3 E;lake NE	583	60h L5 S6	73,100 oct.IP-1.Poles E. FOREIGN CLEAR.STN.
Shiawassee Co.(Owosso,Mich)	2 E;riv S;RR W	740	24 S2	80 oct. Poles sur fld.
Skyhaven (Saginaw,Mich)	2 NNW;riv E	600	29 S2	80 oct. Trees NE.
Sparta (Mich)	2.7 SE;RR W	752	25 S6	80 oct. Trees SE.
Timbers Sky Camp (S.Branch)	0.2 NE;riv E	950	24 S1	80 oct. (Mich)
(P) [Tri-City](Saginaw,Mich)	10 NW;RR SW	660	57h	"SVC & L6 LGTS FOR PCA ONLY"
West's (Clio, Mich)	4 SW;rd E	690	21 S2	80 oct.
White Cloud (Mich)	0.5 N	872	18	Twr SE P-lines NE,SW.
Wings (Utica, Mich)	2.5 SW;RR E	630	23 S1	73 oct.N,NE blkd.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

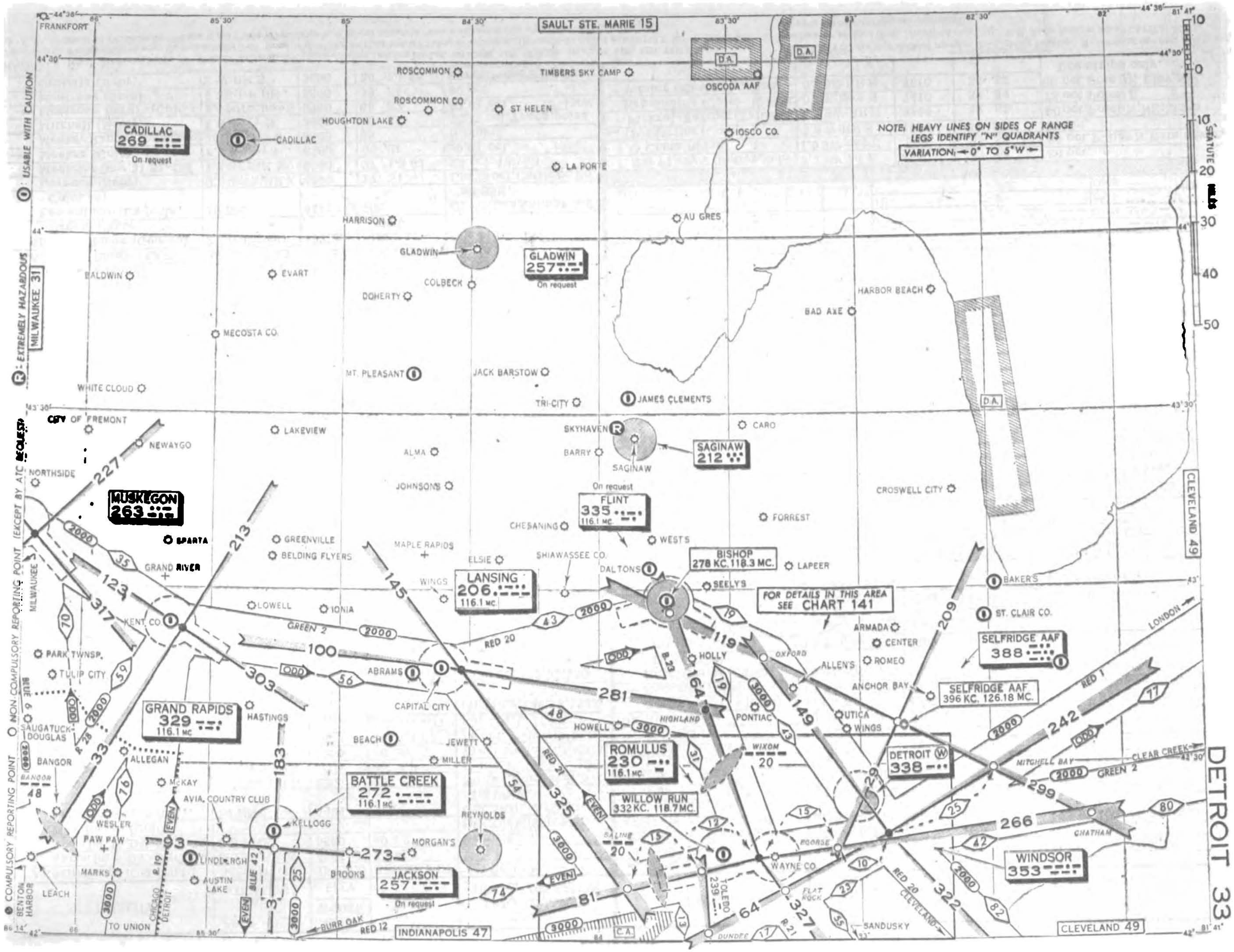
LOCATION	LC	LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
SELFRIDGE (A)	109.5		332.6	184°	IM- (0.23) MM- ••••••(0.83) OM- ——(4.31)
					MMK- OMK-
WILLOW RUN				50°	IM- MM- OM-
					MMK-341 ▬(0.65) OMK-359 •▬▬(5.80)

NEW FACILITIES

→ Utica (Mich)	2.7 WNW;hwy S	710	20 S1	Ltd 80 oct.P-line NW,SE.Soft
→ Romeo (Mich)	2 ESE;lake E	730	30 S1	80 oct.N blkd.Poles W.RR N,W
(NG) Wayne Co. (Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct.1-ech main NG. ARPT OF ENTRY.
Anchor Bay (New Baltimore)	0.5 NNE	615	25 S2	80 oct Trees sur fld (Mich)
Armada (Mich)	3 NNE;RR 0.8 N	680	26 S2	80 oct S,W blkd Trees E
Bad Axe (Mich)	1.2 SW	760	22 S2	80 oct.P-line NE,SE.Twr —
Chesaning (Mich)	0.8 W;hwy NE	639	24 S1	80 oct P-line E,S NW
City of Fremont (Fremont,Mich	2.8 SW;RR NW	800	30 S1	80 oct Poles S,NW Trees SW NE,SE
Holly (Mich)	1 NW;lk E;RR S	913	20 S2	80 oct Trees NE,W,S
Iosco Co.(E.Tawas,Mich)	1 N;lake 0.5 N	597	19	P-line W
→ Knapp (New Hudson,Mich)	0.5 SW;RR SE	947	25 S1	80 oct N blkd
Lowell (Mich)	1.3 N;riv SE	700	18	Trees NW
McKay(Plainwell,Mich)	1.5 W;riv N	732	26 S2	80 oct Trees N,S,SW
Morgan's(Albion, Mich)	2.2 E;hwy N	965	21 S6	80 oct P-line N Trees NE,
Wesler (Gobles,Mich)	0.6 SSW;hwy E	690	24 S2	73,80 oct E blkd S,SW P-line N Tree W
Tawas City (Mich)	1WSW;rd S	595	19 S1	80 oct.P-lines S,SE,SW
WINDSOR Range (Ont.Can.)	353(QG)	243°,3.3	SBRAZ-T	3105,6210,3117.5
WILLOW RUN Tower (Mich)	332(118.7)		C(ILS-W)	(4);118.7
→ Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy W.
→ Wings (St.Johns,Mich)	2.7 SW;RR N	760	21 S1	80 oct.Trees SE,NE.

RADIO: S - Simul. Range and Voice: W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 167.88, 149.88 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4795 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. (Jet nes) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


SAULT STE. MARIE 15
FRANKFORT
ROSCOMMON
TIMBERS SKY CAMP
OSCODA AAF
D.A.
ROSCOMMON CO.
ST HELEN
HOUGHTON LAKE
CADILLAC
269
On request
IOSCO CO.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 5°W
LA PORTE
HARRISON
AU GRES
GLADWIN
257
On request
BALDWIN
EVART
COLBECK
DOHERTY
HARBOR BEACH
BAD AXE
MECOSTA CO.
MT. PLEASANT
JACK BARSTOW
WHITE CLOUD
TRI-CITY
JAMES CLEMENTS
CITY OF FREMONT
LAKEVIEW
SKYHAVEN
CARO
NEWAYGO
ALMA
BARRY
SAGINAW
212
SAGINAW
NORTHSIDE
JOHNSONS
On request
FLINT
335
116.1 MC.
CROSWELL CITY
MUSKEGON
263
SPARTA
GREENVILLE
BELDING FLYERS
CHESANING
FORREST
WEST S
MAPLE RAPIDS
ELSIE
SHIAWASSEE CO.
BISHOP
278 KC. 118.3 MC.
DALTONS
LAPEER
GRAND RIVER
WINGS
LANSING
206
116.1 MC.
SEELYS
FOR DETAILS IN THIS AREA SEE CHART 141
BAKER'S
LOWELL
IONIA
KENT CO.
ARMADA
ST. CLAIR CO.
CENTER
SELFRIDGE AAF
388
PARK TWNSP.
TULIP CITY
HOLLY
OXFORD
ALLEN'S
ROMEO
ABRAMS
CAPITAL CITY
ANCHOR BAY
SELFRIDGE AAF
396 KC. 126.18 MC.
GRAND RAPIDS
329
116.1 MC
HASTINGS
HIGHLAND
PONTIAC
UTICA
WINGS
HOWELL
SAUGATUCK-DOUGLAS
BEACH
JEWETT
MILLER
ROMULUS
230
116.1 MC.
WIXOM
DETROIT W
338
BANGOR
ALLEGAN
MITCHELL BAY
CLEAR CREEK
BATTLE CREEK
272
116.1 MC.
McKAY
AVIA. COUNTRY CLUB
WILLOW RUN
332 KC. 118.7 MC.
REYNOLDS
WESLER
KELLOGG
PAW PAW
MORGAN'S
WAYNE CO.
CHATHAM
WINDSOR
353
MARKS
LINDBERGH
AUSTIN LAKE
BROOKS
JACKSON
257
On request
FLAT ROCK
TOLEDO
239
LEACH
SANDUSKY
TO UNION
RED 12
INDIANAPOLIS 47
DUNDEE
CLEVELAND 49
DETROIT 33
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
MILWAUKEE 31
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE
NAUTICAL

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
AKRON Range (Colo)(Int.)	368(RN)(vhf)	154°,3.6	SBMRAZ-DTV	(4);116.1,122.1
★ Akron Int,9,DV-GI(Colo)	3.9 SE;RR N	4585	53 L3	Poles E.
★ Alvin Int,15,DV-GI(Colo)	3.5 NNE	3600	40 L2	Roads S,N.
ANTON Range (Colo)				DECOMMISSIONED
(A) Arlington #4 (La Junta, Colo) (A)	28 NNE	4424	70h	CLOSED. Arlington 3.3 WNW.
Bayard (Nebr)	1.3 SSW;RR N	3760	25 S2	No fuel. Poles N,E,NW,
★ Big Springs Int,55,SL-OH	3 WNW;hwy N	3605	35 L3	P-line E. (Nebr). SE.
Burlington (Colo)	0.5 W;RR S	4160	38 S2	73 oct. P-line N,NE,SE,
Chappell (Nebr)	3 E;RR SW	3830	26 L1 S2	73 oct. P-line W,S,NW
CHEYENNE Range (Wyo)	326(CX)(vhf)	76°,0.9	SBRAZ-DTV	(3); 116.1, 122.1
CHEYENNE Tower (Wyo)	278(126.18, 118.3)		C	(4);118.3,126.18,122.5
(NG) [Cheyenne] (Wyo)	1 N;lakes WNW	6156	79h L6 S6	80,91 oct.;73,91,100 oct.for Army.80,100 oct.2-ech maint NG. Poles W.
COLORADO SPRINGS Range (Peterson) (Colo)	224 (CD)	166°,3.9	MRLWZ	
(P) Craig (Colo)	1.8 SE;riv N	6300	51 S6	80, 91 oct.
Cress (Westcliffe,Colo)	6 NW	8000	30 S1	80 oct.
DENVER Range (Stapleton) (Colo)	379(DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER Range (Stapleton) (Colo)	109.1(DV) (vhf)	211°, 9.7	VAR-DTXV	(3);116.1,122.1
Doughty's (Julesburg)	12 ESE	3600	18	PRIV.Use in emerg.
Douglas (Akron,Colo)	0.8 N	4400	28 S1	73 oct. (Colo)
Eads (Colo)	1.3 WSW;RR N	4210	42 S6	80 oct. P-line NE,N.
EAGLE Range (Colo) (6 mi ENE Eagle)	108.3 (EQ) (vhf)		BVAR-DTV	3105,3117.5; 116.1, 122.1
Eagle (Colo)	4.5 WSW;RR N	6496	38	
Estes Park (Colo)	2 SE;riv N	7635	30	Closed till June 1947
Flagler (Colo)	0.8 S;hwy N	4975	40 S4	80 oct. P-line E,NE,SE.
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	35 L1 S6	73,80,91 oct. (Colo.)
Fremont Co.(Canon City, Colo)	6.9 E;riv S	5350	49 S2	80 oct.Rnwy data unver.
General Brees (Laramie)	4 W;riv SE	7270	63h L5 S6	73,91,100 oct. (Wyo)
Glenwood Sprgs.(Colo)	2 S	5900	31 S4	73 oct.
Granby (Colo)	1 ENE;hwy S	8200	39 S2	80 oct.
Gregg (Pueblo, Colo)	6 N;RR,hwy E	5000	37 S4	80 oct.
Holyoke (Colo)	1.8 ESE	3720	35 S4	80 oct. RR NW.
Hugo (Colo)	1.5 E;hwy S	5034	26 S1	80 oct.
Idle Acres (Potter,Nebr)	11.8 N;hwy N	4630	21 S4	80 oct.P-line W.Data
Julesburg (Colo)	2.8 SW;hwy W	3490	24 S6	80 oct. unver.
LA JUNTA Range (AAF)	281(LH)(116.1)	194°,2.6	SBMRLZ-DTV	(4);116.1,122.1 (Colo)
LARAMIE Range (General Brees) (Wyo)	245(LR)(vhf)	137°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Las Animas (La Junta, Colo) (A)	19 NE	4119	70h	CLSD.Las Animas 5.9 mi SSE.
Lorenzo (Nebr)	0.6 WNW;RR E	4400	17 S1	Ltd 73 oct.Cattle on fld.
Medicine Bow,31,SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct. (Wyo.)
Meeker (Colo)	1.3 E;hwy S	6300	36 S1	80,91 oct.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	(Colo)
Mitchell (Nebr)	1.6 S;riv N	3950	40 S6	73,80 oct.Trees,poles
Montrose (new) (Colo.)	1.5 NNW;hwy S	5780	58 S2	80,91 oct. NW.
Montrose (Colo)	1.3 S;RR NE	5800	33 S4	80 oct.
Ogallala (Nebr)	2 W;RR S	3250	26 L1 S6	80 oct.Poles S,SE,SW.
Ordway (Colo)	0.9 S;RR N	4300	40 S2	Caution.
Oshkosk (Nebr)	1.8 SE;riv S	3375	21 S1	Ltd 80 oct.Poles NW,NE
PETERSON Tower (Colo)	272 (126.18)		CA	(4);126.18
(A) [Peterson](Colorado Springs, Colo)(A)	6.3 E;hwy N	6170	85h L5 S6	73,91,100 oct. No sto.
(P) Pine Bluffs,44,SL-OH	4.2 WSW;RR S	5128	48 L3 S2	73 oct.P-line N.(Wyo)
PUEBLO Range (Colo)	302(PU)(vhf)	340°,2.0	SBRAZ-DTV	(3);116.1,122.1
(P) [Pueblo] (Colo)	2.1 SW	4853	53h L5 S6	80,91,100 oct. E blkd.
(A) Pueblo AAB (Colo)(A)	7 NE;RR S	4712	88h	CLOSED.
Rawlins (Wyo)	2.3 NE;RR 1 S	6780	52 S4	80, 91 oct.
(P) Rifle (Colo)	3.3 E;riv N	5400	42 S2	80 oct. (Colo.)
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 mi.S.
Roderick (Lindon,Colo)	4.3 N;riv .5 E	4900	26 S1	73 oct. Emerg only.
Royal Gorge (Canon City, Colo)	6.4 NW;hwy N	6320	26 S4	91 oct.Do not land N or S.P-line N.
(P) Saguache (Colo)	2 W;hwy NE	7700	48 S1	80 oct.
St. Francis (Kans)	1 SSE;riv NW	3400	35 S2	80 oct.
Salida (Colo)	4 W;RR S	7500	36 S4	80 oct.Trees W,E.
Saratoga Mun. (Wyo)	0.7 SSW;hwy E	6900	47 S1	80 oct.P-line ESE.
Schwartz-Johnson (Sidney, Nebr)	1.6 SSE;RR N			ABANDONED
SCOTTSBLUFF Range(Nebr)	341(TF)(116.1)	301°,3.1	SBMRLZ-DTV	(4);116.1,122.1
(P) [Scottsbluff] (Nebr)	3.3 E;hwy S	3945	82h L5 S1	80,91 oct.Lgts on req.
Sharon Springs (Kans)	1.2 NW;RR S	3500	32 S1	80 oct. P-line E.
SIDNEY H Fac. (Nebr)	314(SD)(116.1)	350°,0.0	BH-DTV	(4);116.1,122.1
★ Sidney Int,50,SL-OH	3 W;RR N	4132	36 L3	(Nebr)
SINCLAIR Range (Wyo)(Int)	209(XP)(116.1)	80°,1.7	SBMRAZ-DTV	(4);116.1,122.1
★ Sinclair Int,27,SL-OH	3.8 ENE;RR S	6561	50 L3	
Stake's Prairie (Limon)	2.2 ENE;RR S	5375	34 S4	73 oct. (Colo)
STAPLETON Tower (Colo) [Stapleton](Denver,Colo)	278 (126.18, 118.7) 5 ENE;RR N	5320	AC (ILS) 70h L6 S6	(4);122.5,126.18,118.7 80,91,100 oct.
(P) Starr Nelson(Delta,Colo)	4 E;rd N	5200	40 S4	80 oct.
Teter (Fairplay,Colo)	3 SSE;hwy E	9700	63	
(P) Trading Post(Kit Carson)	0.8 NW;crk E	4290	40	PRIV.P-line S,SE.(Colo)
Valley (Silver Cliff,Colo)	0.7 ESE	8000	40	Hwy W.
Walden (Colo)	1.5 N;hwy W	8250	63 S1	80 oct.
Wamsutter Int,22,SL-OH	2.4 NNW;RR S	6812	50 L3	35' pole line SW.(Wyo)
Wray (Colo)	1.2 NNW;hwy E	3400	36 S2	80 oct.
(P) Young (Ft.Morgan,Colo)	6 N;hwy E	4460	52 S6	73,80 oct. Rough
Yuma (Colo)	1.4 SSE;hwy W	4150	34 S6	80 oct.P-line S,SE,SW,NW.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
STAPLETON	110.3 ▬·· ···▬	335	206°	IM-	MM-·▬·▬(0.65)	OM- ▬▬(4.19)
					MMK- 335 ···▬	OMK-359 ▬··
				IM-	MM-	OM-
					MMK-	OMK-

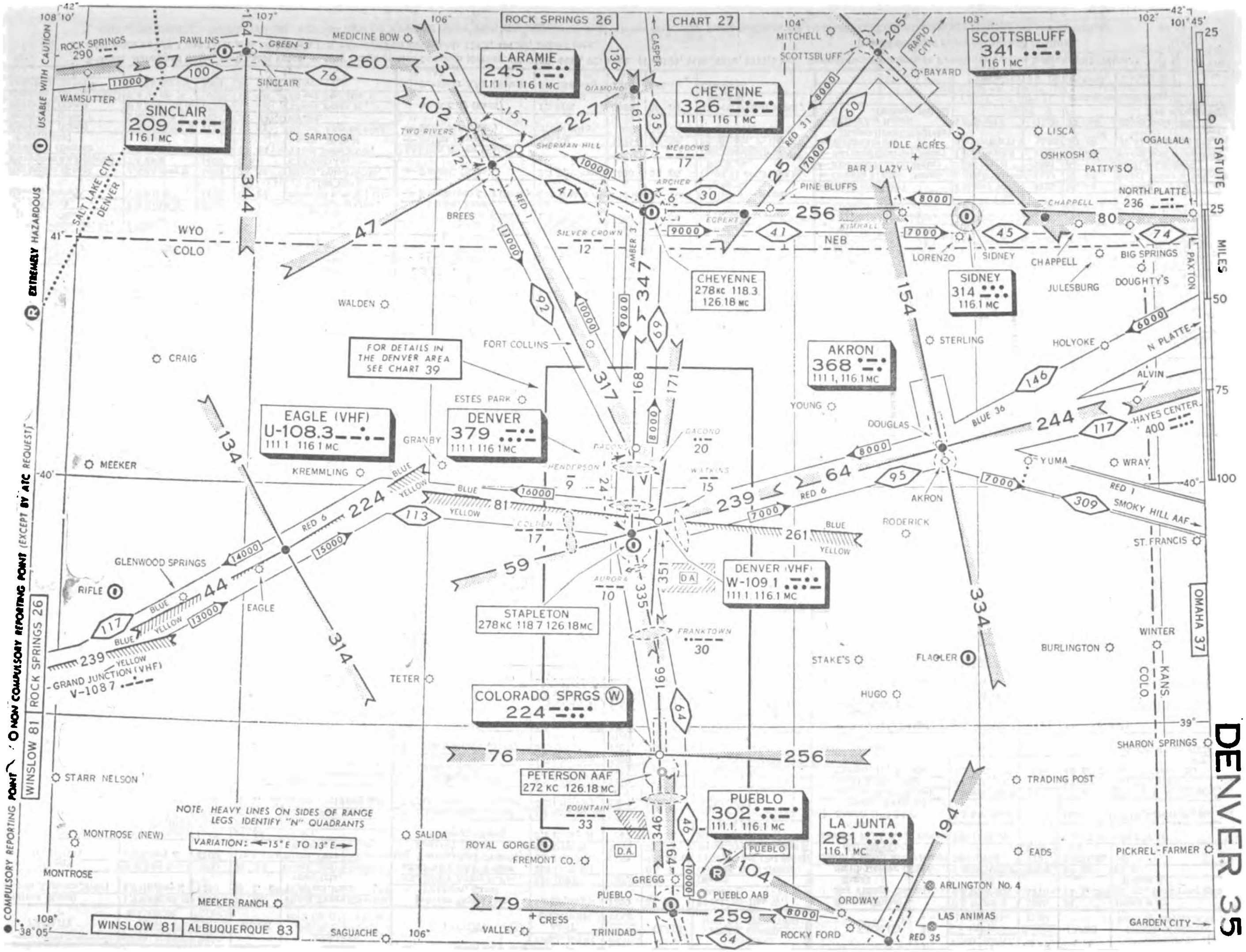
NEW FACILITIES

Bar J Lazy V (Potter,Nebr)	5.3 SW;rd E	4550	27 S2	80 oct.
O'Conta (Wisc)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver.
(P) Sterling (Colo.)	2.8 W;RR S	4020	34 S6	80 oct.
Pickrel-Farmer(Tribune, Kremmling (Colo) Kans)	1.3 SW;RR N	3550	17 S2	80 oct.Poles N,NE;bldgs
	0.9 E;hwy N	7410	27 S1	73 oct.Poles E E
Winter (Kanorado,Kans)	0.6 SE;RR N	3910	29 S2	80 oct.Pole NE.Elev.NW.

Use strips only.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.55, 140.59 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ★ – Guarded only when associated tower inoperative.

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ROCK SPRINGS 26
CHART 27
DENVER 35
USABLE WITH CAUTION
HAZARDOUS
COMPULSORY REPORTING POINT
NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
ROCK SPRINGS 290
RAWLINS
WAMSUTTER
SINCLAIR
SINCLAIR 209 116.1 MC
LARAMIE 245 111.1 116.1 MC
MEDICINE BOW
GREEN 3
SARATOGA
TWO RIVERS
SHERMAN HILL
BREES
SALT LAKE CITY
DENVER
WYO
COLO
NEB
CASPER
DIAMOND
MEADOWS
17
ARCHER
SILVER CROWN
12
AMBER 3
RED 1
CHEYENNE 326 111.1 116.1 MC
CHEYENNE 278 KC 118.3 126.18 MC
MITCHELL
SCOTTSBLUFF
SCOTTSBLUFF 341 116.1 MC
RAPID CITY
BAYARD
IDLE ACRES
BAR J LAZY V
PINE BLUFFS
RED 31
EGBERT
KIMBALL
LISCA
OSHKOSH
PATTY'S
OGALLALA
NORTH PLATTE 236
CHAPPELL
LORENZO
SIDNEY
SIDNEY 314 116.1 MC
JULESBURG
BIG SPRINGS
DOUGHTY'S
PAXTON
WALDEN
CRAIG
FORT COLLINS
FOR DETAILS IN THE DENVER AREA SEE CHART 39
ESTES PARK
GRANBY
KREMMLING
MEEKER
EAGLE (VHF) U-108.3 111.1 116.1 MC
DENVER 379 111.1 116.1 MC
HENDERSON
GACONO
20
WATKINS
15
AKRON 368 111.1, 116.1 MC
STERLING
HOLYOKE
N PLATTE
ALVIN
HAYES CENTER 400
YOUNG
DOUGLAS
BLUE 36
YUMA
WRAY
AKRON
RODERICK
SMOKY HILL AAF
ST. FRANCIS
GLENWOOD SPRINGS
RIFLE
EAGLE
GRAND JUNCTION (VHF) V-1087
TETER
STAPLETON 278 KC 118.7 126.18 MC
COLLEGE
17
AURORA
10
FRANKTOWN
30
DENVER (VHF) W-109.1 111.1 116.1 MC
D.A.
COLORADO SPRGS W 224
STAKE'S
FLAGLER
HUGO
BURLINGTON
WINTER
KANS.
OMAHA 37
SHARON SPRINGS
TRADING POST
PETERSON AAF 272 KC 126.18 MC
FOUNTAIN
33
PUEBLO 302 111.1, 116.1 MC
LA JUNTA 281 116.1 MC
EADS
PICKREL-FARMER
ARLINGTON No. 4
LAS ANIMAS
GARDEN CITY
ROYAL GORGE
FREMONT CO.
SALIDA
GREGG
PUEBLO
PUEBLO AAB
ORDWAY
ROCKY FORD
RED 35
CRESS
VALLEY
TRINIDAD
SAGUACHE
STARR NELSON
MONTROSE (NEW)
MONTROSE
MEEKER RANCH
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ←15°E TO 13°E→
WINSLOW 81 | ROCK SPRINGS 26
WINSLOW 81 | ALBUQUERQUE 83
STATUTE MILES
0
25
50
75
100

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Abilene (Kans)	1.7 WSW;RR N	1100	29 S6	80 oct. Trees E. P-line
Arrow (Lincoln, Nebr)	4.8 NE;hwy E	1160	25 L S6	73,80 oct. Port rnwy lgts. SE
→ Atwood (Kans)	2 N;hwy S	2900	26 S6	80 oct. Soft when wet.
(P) Beatrice (Nebr)	3.5 N;hwy E	1260	38h L3 S4	80 oct. Twrs SSW; poles S, Rnwy data unver.
Belleville (Kans)	1.8 WSW;hwy S	1520	24 S2	73 oct.
Benkleman (Nebr)	1.2 NNE;RR SE	2990	28 S2	80 oct.
Bern (Kans)	0.6 S;RR N	1300	26 S1	80 oct. Pwr line N.
Blosser (Concordia, Kans)	1 SSE;hwy W	1510	26 L S2	80 oct. Port rnwy lgts.
Brainard Int, 82, SL-OH	5.5 SW;hwy W	1640	31 L3	(Nebr)
Broken Bow (Nebr)	2 N	2400	30 S6	80 oct.
(A) Bruning AAF (Nebr)(A)	7.7 E;RR N	1544	68h	CLOSED.
Central (Grand Island, Nebr)	1.7 NE;RR S	1851	33 S6	80,91 oct. P-lines W, N
(P) Clay Center (Kans)	1.5 W;hwy S	1200	30 S2	80 oct. Poles S, NW.
Clay Center (Nebr)	1.5 E;hwy N	1800	26 S2	80 oct. P-lines N.
Clothier (Cedar Point, Kans)	4 SSW;creek E	1320	20 S2	73 oct.
Colby (Kans)	1.8 N;RR S	3150	42 S2	80 oct. Poles SW, W.
Columbus (Nebr)	1.3 NE;RR S	1445	26 S6	P-line SSE, SSW.
Crete (Nebr)	1 S;RR NE	1368	24 L3 S6	80,91 oct. Lgts prior req
David City (Nebr)	1.5 N;hwy W	1640	22 S2	80 oct. Windmill E.
Downs (Kans)	Adj SW;RR N	1550	20 S2	80 oct. RR NW. Data unver
Eddie Hutton (Brewster, Kans)	1 SE;RR N	3420	35 S2	73 oct.
Elgin (Nebr)	0.8 SW;RR E	1930	16 S6	80 oct. Bldgs SE, N.
Elkins (Wakefield, Kan)	1 SSE;riv NE	1170	13 S1	80 oct. Poles W.
Ellinwood (Kans)	1.5 NW;RR S	1790	26 S6	73 oct. Poles N.
Emporia (Kans)	5.4 S;hwy E	1200	26 S6	80 oct. Poles E, NE
Fairbury (Nebr)	2.5 NNE;RR SE;hwy SE	1316	26 L S6	80 oct. Port rnwy lgts P-line W, NW, S.
(A) Fairmont AAF (Geneva, Nebr) (A)	4.8 NE	1639	70h	CLOSED
(P) Fremont (Nebr)	1.4 WNW; RRs NE	1203	38h S4	80,91 oct. P-line N, NE, E, SE,
Giffin-Orton (Hoisington, Kans)	See Hoisington Arpt under "New Facilities" - name changed.			
GOODLAND H Fac. (Kans)	353 (GN)		HW-T	
GOODLAND Range (Kans)				DECOMMISSIONED.
(P) Goodland (Kans)	2 NNE;hwy E	3689	37 S4	80,91 oct. P-lines SW,
Gothenburg (Nebr)	0.7 E;hwy S	2550	32 S2	80 oct. W. Trees NW.
GRAND ISLAND Range (Nebr)	263 (GI)(vhf)	165°, 1.3	SBMRLZ-DTV	(4); 116.1, 122.1
GRAND ISLAND AAF Tower (Nebr)	— —			DECOMMISSIONED.
(A) Grand Island AAF (Nebr) (A)	3.5 NE;RR W	1843	72h	CLOSED.
(A) Great Bend AAF (Kans) (A)	4.5 WSW	1891	80h	CLOSED.
Great Bend Arpk. (Kan)	1.6 NNE;RR W	1850	26 S2	80 oct. Poles N, W.
(A) Harvard AAF (Nebr)(A)	2.5 NE	1817	76h	CLOSED.
Hastings (Nebr)	1.5 NW;RRs N, S	1940	35 S6	73 oct.
Hastings Sky Ranch (Nebr)	3.2 WSW;RR N	1960	26 L S6	80,91 oct. Port rnwy lgts. P-line S, W. NE, SW, W, NW.
→ Hawks (Bruning, Neb)	3.8 ESE;rd N	1544	29 S4	80 oct. N blkd. Poles
HAYES CENTER Range (Nebr)	(400)(KB)(vhf)	64°, 2.2	SBMRAZ-DTV	(4); 116.1, 122.1
Hayes Center Int, 21, DV-GI (Nebr)	3 ENE;rd S	3074	51 L3	
Hays (Kans)	1.5 E;RR S	2020	29 L S6	80,91 oct. Port rnwy
Hebron (Nebr)	1 S;RR W	1458	26 S4	80 oct. S appch lgts 6:1, SW 10:1.
Herington (Kans)	1.5 SE;hwy N	1450	26 S2	80 oct. Poles N, NW.
(A) Herington AAF (Kans)	7.5 ENE	1485	69h	CLOSED. (A)
Hewett's (Beaver City, Nebr)	2.5 NNE; hwy S	2300	40 S1	73 oct. Pole NNW, SSW. Bldg N.
Hiawatha (Kans)	1.3 WSW;RR E	1110	25 S1	80 oct. Appchs blkd.
Holdrege (Nebr.)	2 NNE;crk S	2324	26 S4	80 oct.
Holyrood (Kans)	0.5 ESE;RR N	1820	17 S4	73 oct. Poles N.
Huntoon (Topeka, Kans)	5.4 W;riv N	1000	18 S6	80 oct. Pwr line N.
Imperial (Nebr)	1 ESE;RR SW	3280	36 S4	80 oct.
Janssen Skytel (Mc Pherson, Kans)	1.5 SW;hwy N	1500	22 S6	80 oct. Hi-line W. Poles E.
KEARNEY Army H. Fac.	536 (DKR)	130°, 5.3	HW (Nebr)	
KEARNEY AAF Tower	396 (126.18)		CA	(4); 126.18 (8-1630)
(A) Kearney AAF (Nebr)(A)	4.5 ENE;RR S	2130	73h L5 S6	73,91,100 oct. JP-1. No sto
Kearney (Nebr)	4.5 S;riv N	2145	15 S1	80 oct. Trees N; p-line E
Larkinburg (Kans)	0.3 E;hwy N	947	27 S2	80 oct. Hi-lines N. Data unver.
→ Larned Mun. (Kans)	1.6 NNE;RR SE	2012	33 S6	80,91 oct. Use strips.
LEBO Range (Int.) (Kans)	311 (LN)(vhf)	336°, 0.0	BMLZ-DTV	(4); 116.1, 122.1
* Lebo Int, 39, AQ-KC	4 ENE;RR N	1160	33 L3	(Kans)
Lenora (Kans)	1.2 NNW	2325	29 S2	creek NE 80 oct.
Lexington (Nebr)	1.7 NW;RR S	2400	28 S6	80 oct. P-line NE, E, SE,
LINCOLN Range (Nebr)	385 (HK) (116.1)	170°, 2.4	SBMRLZ-DTV	(4); 116.1, 122.1
(NG) [Lincoln] (Nebr)	5.5 NW;RR NE	1190	71h L5 S6	80,91,100 oct. 73,91,100 oct for NG
→ Lyons (Kans)	1.3 W;hwy N	1950	28 S6	73 oct. P-line NW, N, NE
Manhattan (Kans)	5.5 WSW	1050	31 S6	80 oct. RR SE.
Mankan (Manhattan, Kans)	3.7 ENE;hwy S	1050	30 S6	80,91 oct. Poles sur fld.
→ Mankato (Kans)				ABANDONED
(P) Marion (Kans)	1.8 ESE;hwy N	1370	36 S4	80 oct. Appchs blkd,
MARSHALL Army Range (Ft. Riley) (Kans)	215 (DFY)	196°, 4.0	SBMRAZ	
MARSHALL Tower (Kans)	396 (126.18)		CA	(3); 126.18
(A) Marshall (Ft. Riley, Kans) (A)	1.8 SE	1062	45h L5 S6	73,91,100 oct. Ditch E, S.
McCook (Nebr)	2.2 E;RR S	2586	42 S4	80 oct. Windmill N. Hwy
(A) McCook AAF (Nebr)(A)	9 NNW;hwy E	2784	75h	CLOSED. S.
McPherson (Kans)	4 NNE;hwy W	1500	34 S6	80 oct. Soft when wet. Appchs blkd.
Moritz (Beloit, Kans)	1.2 NW;RR S	1420	24 S2	73 oct. Trees E.
MORLAND Range (Kans)				DECOMMISSIONED.
→ Moundridge (Kans)	2.2 WNW	1485	17 S2	80 oct. Poles SW, W, RR
(P) Norfolk (Nebr)	3 SSW;RR W	1572	58h S6	80 oct. P-line SE. 1.8 NE
NORTH PLATTE Range (Nebr)	236 (NQ)(vhf)	352°, 2.2	SBRAZ-DTV	(4); 116.1, 122.1
(P) [North Platte] (Nebr)	3.2 ESE;riv SW	2779	55h L5 S6	73,80,91,100 oct.
(P) Norton (Kans)	0.7 NNW;hwy E	2365	52 S4	80,91 oct. P-line S.
Oberlin (Kans)	0.9 NW;RR SE	2684	25 S1	80 oct. P-line SE, NE.
Ohiowa (Nebr)	3 SW	1572	20	Fence sur fld. Data un-
OMAHA Range (Nebr)	320 (OH)(vhf)	146°, 0.8	SBRAZ-DTV	(3); 116.1, 122.1 ver.
OMAHA Tower (Nebr)	278 (118.5, 126.18)	.	C (ILS-W)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE; lk W	982	54h L6 S6	73,80,91,100 oct. No contact lgts.
100th Meridian (Cozed, Nebr)	0.8 SW;RR N	2490	22 S1	80 oct. P-line E.
Ord (Nebr)	1.5 NW, RR, hwy E	2000'	31 S4	80 oct. Use strips.
* Overton Int, 69, SL-OH (Nebr)	4.8 E;RR S	2300	40 L3	Bldgs, trees NW; poles NE.
PHILLIP BILLARD Tower (Topeka, Kans)	278		C	(4)
[Phillip Billard] (Topeka, Kans)	3.5 ENE;RR S	879	42h L5 S6	80, 91 oct.
(P) Phillipsburg (Kans)	1.5 S;RR N	1882	33 S1	80 oct.
Pottawatomie (Manhattan, Kans)	1.4 NE;RR SE	1100	20 S4	80 oct. Poles SE, NW, NE
→ Republican City (Nebr)	See Waldo Air Svc under "New Facilities" - name changed.			
→ Russell (Kans)	2.7 ESE;hwy N	1860	32 S6	73,80,91 oct. Poles N, NE, S, SW.
SALINA Range (Kans)				DECOMMISSIONED.
→ Salina (Kans)	2.5 SE	1275	26 S6	80, 91 oct. P-line NW.
→ Schuyler (Nebr)	2.8 W;RR S	1380	20 S4	80 oct. NE, SW blkd.
Scott City (Kans)	1.3 ESE hwy N	2980	25 S1	73 oct. P-line N, NE, NW, SW.
(A) Scribner AAF (Nebr) (A)	4.1 SSE;hwy N	1315	67h	CLOSED.
Seneca (Kans)	0.5 W;RR S	1250	24	Poles N, S.
Sky Village (Salina, Kans)	6.6 WSW;RR SE	1270	22 L S6	80 oct. Port rnwy lgts P-line S.
Smith Center (Kans)	1 SSW;RR NW	1806	27 S1	80 oct.
SMOKY HILL Army Range (Salina) (Kans)	344 (DSN)	170°, 5.05	BMRLZ-DT	(4)
SMOKY HILL AAF Tower (Kans)	396 (126.18)		CA (ILS-W)	(4); 126.18
(A) Smoky Hill AAF (Salina, Kans) (A)	4.5 SW;RR E	1289	100h L5 S4	73,91,100 oct. No sto.
Summerfield (Kans)	0.3 SSE;RR W	1450	20 S2	80 oct. P-line N, NW.
TARKIO H Fac. (Mo)	261 (TK)(116.1)		MHTV	(4); 116.1, 122.1
Tarkio, 10, KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct. Trees N.
TOPEKA VHF Range (Kans)				DECOMMISSIONED
→ TOPEKA Army Range (Kans)	269 (DTO)	32°, 3.5	BMRAZ	(4)
TOPEKA AAF Tower (Kans)	206 (116.1, 126.18)		CA	(3); 116.1, 126.18
(A) Topeka AAF (Kans) (A)	6 S;RR W	1078	65h L5 S6	73,91,100 oct. JP-1. No sto. CLOSED.
Union (Lincoln, Nebr)	4.8 NNE;RR S	1140	18h L3 S6	80,91 oct. All lgts prior req.
WALDO VHF Range (Kans)				DECOMMISSIONED.
(A) Walker AAF (Hays, Kans) (A)	12.5 E;hwy S	1975	80h	CLOSED.
Waverly (Lincoln, Neb)	9 NE;RR SE	1180	20	Poles SE, SSW.
West Point (Nebr)	1.5 E;hwy W		16 S4	80 oct. Data unver.
Wood Arpk (Clay Center, Kans)	3.5 N;hwy W	1260	15 S6	80 oct. No sto. P-line W.
Wright Arpk (Abilene, Kans)	1 SSE;riv S	1150	13 S1	80 oct. S blkd.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
GRAND ISL. AAF (A)				DECOMMISSIONED
OMAHA	110.3	335	135°	IM- MM- •=•-(0.78) OM- ==(4.90)
				MMK- 201 •••• OMK- 219 ———
SMOKY HILL (A)	109.9	333.8	123°	IM- (0.19) MM- ••••••(0.89) OM- ==(4.20)
				MMK- OMK-
				IM- MM- OM-
				MMK- OMK-

NEW FACILITIES

Hill City Mun. (Kans)	0.8 NE;riv S	2200	28 S2	Sto. SW blckd.
Mankato Mun. (new) (Kans)	1.4 NW;RR SW	1840	24 S6	80 oct. Windmill NE
Trenton Mun. (Nebr)	1.3 NW;RR S	2840	27 S2	80 oct. Poles SE.
Wahoo Mun. (Nebr)	2.5 NE	1180	25	Poles S.
Oakland (Nebr.)	2 W	1320	28 S6	80 oct. Use strips.
Hoisington (Kans)	1.3 NE;hwy S	1870	25 S4	80 oct. Poles S.
Burdett Fly. Club (Kans)	1 SW;RR N	2140	20 S1	80 oct. Poles E, S. Use strips
Concordia (Kans)	1.7 S;hwy W	1510	20 L S6	80 oct. Flood, port rnwy lgts
Downs Mun. (Kans)	0.4 SSW;riv S	1500	22 S2	80 oct. N, NW blkd. Pole W
Ellsworth (Kans)	1 N;twr 0.8 S	1630	26 S6	80 oct. FEE. P-lines NE
Hoover (La Crosse, Kans)	0.5 ENE;RR S	2060	24 S2	80 oct. Poles S, N.
Hoxie (Kans)	0.7 N;RR, hwy S	2665	20 S1	73 oct. Poles S, W
Marysville (Kans)	1.3 ENE	1240	26 S2	80 oct. P-lines N, S
Nessco (Ness City, Kans)	1.6 ESE;RR 0.6 N	2240	26 S2	80 oct. E/W rnwy unsafe
Ness Fly. Club (Ness City, Kans)	1 ESE;RR N	2245	23 S2	80 oct. Poles N, S when wet.
Oakley (Kans)	0.6 SSW;RR N	3050	26 S2	80 oct. P-lines SE, S, NW, N
Ritter (Jct. City, Kans)	3.7 W;hwy N	1260	18 S2	80 oct. Poles NE, N. Use stps
Sterling Air Svc. (Kans)	1.2 SSW;lk 0.5 NE	1630	19 S4	80 oct. Trees all appchs
Trenton (Nebr)	1.2 NW	2840	27 S2	80 oct. P-line SE
→ Superior (Nebr)	2 N;hwy W	1735	26 S2	80 oct.
→ Geneva Fly. Svc. (Nebr)	1.2 SSW;RR NW	1633	26 S4	80 oct. Poles E. Soft-wet
→ Roush (Grand Isl. Nebr)	2 SSE;riv N	1841	32 S4	80, 91 oct. E blkd.
→ Harmon (Kearney, Nebr)	1.3 NNW;lk S	2240	17 S4	80 oct. Soft when wet.
→ Waldo Air Svc (Republican City, Nebr)	0.5 WNW;riv S	1980	30 S6	80, 91 oct. N end soft.
→ Heller Air Ranch (Wisner, Nebr.)	5 SSW;rd S	1350	22 S4	80 oct. Poles SE, Use strips only.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.
(vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
h-hard surfaced runways. R-radio facilities.
L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not charted (Consult Airline Rep. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

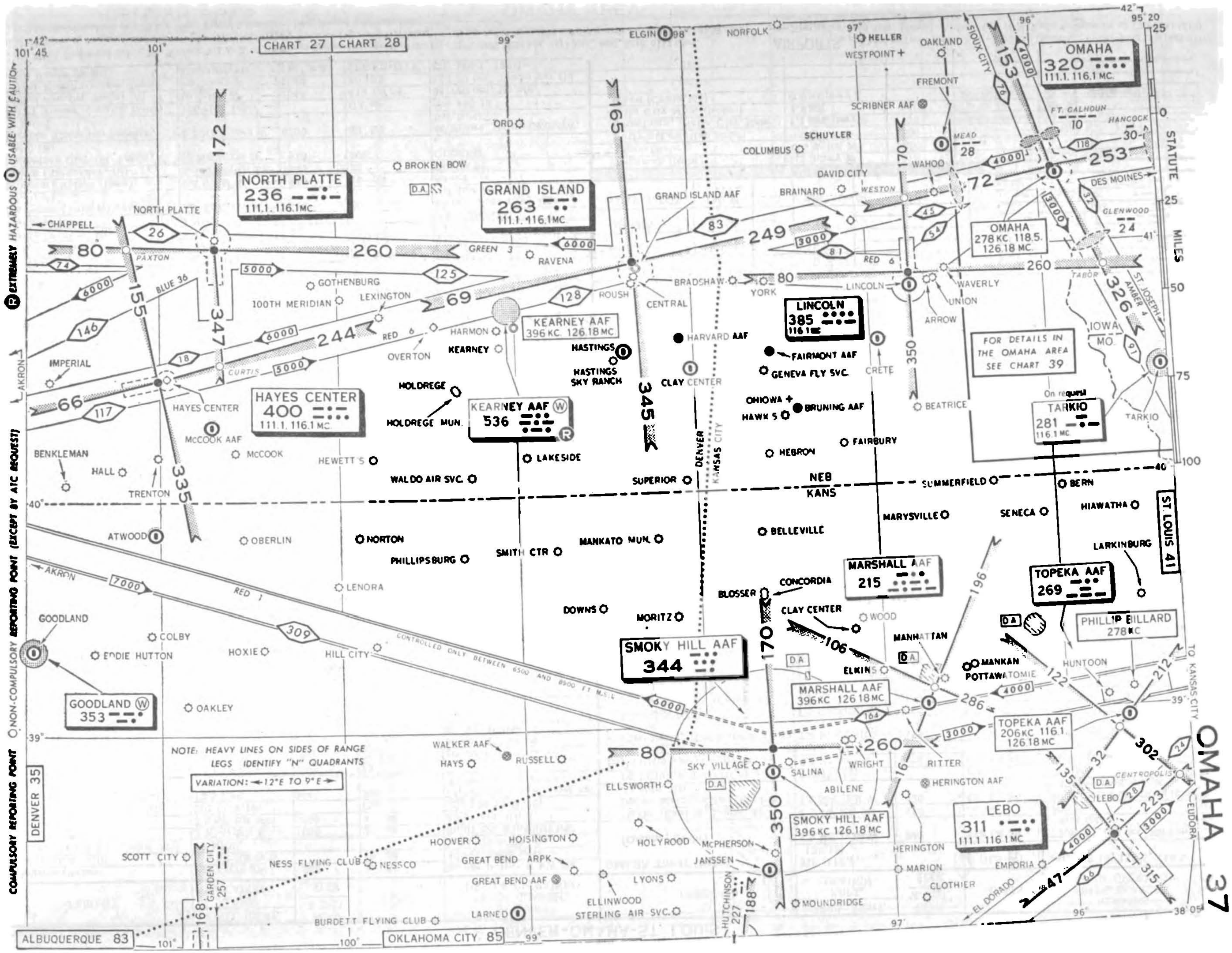


CHART 27
CHART 28
NORTH PLATTE
236
111.1. 116.1MC.
GRAND ISLAND
263
111.1. 116.1MC
KEARNEY AAF
396 KC. 126.18 MC
HAYES CENTER
400
111.1. 116.1 MC.
KEARNEY AAF
536
LINCOLN
385
OMAHA
320
111.1. 116.1 MC.
OMAHA
278 KC. 118.5.
126.18 MC.
FOR DETAILS IN THE OMAHA AREA SEE CHART 39
TARKIO
281
116.1 MC.
SMOKY HILL AAF
344
SMOKY HILL AAF
396 KC 126.18 MC
MARSHALL AAF
215
MARSHALL AAF
396 KC 126.18 MC
TOPEKA AAF
269
TOPEKA AAF
206 KC 116.1.
126.18 MC
LEBO
311
111.1 116.1 MC
PHILLIP BILLARD
278 KC
GOODLAND
353
HARVARD AAF
FAIRMONT AAF
GENEVA FLY SVC.
BRUNING AAF
CLAY CENTER
HASTINGS
HASTINGS SKY RANCH
HOLDREGE
HOLDREGE MUN.
LAKESIDE
WALDO AIR SVC.
SUPERIOR
NEB
KANS
SUMMERFIELD
BERN
HIAWATHA
LARKINBURG
MARYSVILLE
SENECA
BELLEVILLE
CONCORDIA
BLOSSER
CLAY CENTER
WOOD
MANHATTAN
ELKINS
MANKAN POTTAWATOMIE
HUNTOON
ABILENE
SALINA
SKY VILLAGE
WRIGHT
RITTER
HERINGTON AAF
HERINGTON
MARION
CLOTHIER
EMPORIA
MOUNDRIDGE
HOLYROOD
McPHERSON
JANSSEN
HUTCHINSON
ELLSWORTH
LYONS
ELLINWOOD
STERLING AIR SVC.
GREAT BEND AAF
GREAT BEND ARPK
LARNED
HOISINGTON
HOOVER
NESS FLYING CLUB
NESSCO
SCOTT CITY
GARDEN CITY
BURDETT FLYING CLUB
WALKER AAF
HAYS
RUSSELL
NORTON
PHILLIPSBURG
SMITH CTR
MANKATO MUN.
DOWNS
MORITZ
ATWOOD
OBERLIN
LENORA
GOODLAND
COLBY
EDDIE HUTTON
HOXIE
HILL CITY
OAKLEY
CONTROLLED ONLY BETWEEN 6500 AND 8900 FT M.S.L.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 9°E
ALBUQUERQUE 83
OKLAHOMA CITY 85
DENVER 35
OMAHA 37
TO KANSAS CITY
ST. LOUIS 41
CHAPPELL
NORTH PLATTE
PAXTON
GOTHENBURG
100TH MERIDIAN
LEXINGTON
GREEN 3
RAVENA
BLUE 36
IMPERIAL
CURTIS
HARMON
KEARNEY
OVERTON
ROUSH
CENTRAL
GRAND ISLAND AAF
BRADSHAW
YORK
LINCOLN
WAVERLY
UNION
ARROW
CRETE
BEATRICE
FAIRBURY
HEBRON
OHIOWA
HAWKS
HAYES CENTER
McCOOK AAF
McCOOK
BENKLEMAN
HALL
TRENTON
HEWETT'S
BROKEN BOW
ORD
ELGIN
NORFOLK
HELLER
WESTPOINT
OAKLAND
FREMONT
SCRIBNER AAF
SCHUYLER
COLUMBUS
MEAD
WAHOO
DAVID CITY
BRAINARD
WESTON
SIOUX CITY
FT. CALHOUN
HANCOCK
DES MOINES
GLENWOOD
TABOR
IOWA
MO.
ST. JOSEPH
AMBER 4
TARKIO
AKRON
RED 1
RED 6
BLUE 36
GREEN 3
AMBER 4
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE MILES
On request

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Auburn (Nebr)	2.7 E;riv SW	960	29 S6	80 oct.P-line N,NW,NE.
Beardstown (Ill)	1.5 SE;RR N,W		18 S2	80 oct. Data unver.
➸ Black Walnut (St. Louis, Mo)	18 NNW			ABANDONED
Blair (Nebr)	3 NNW;RR E	1050	24 S6	80,91 oct.Windmill NW.
(P) Boulder (Colo)	3 ENE;RR NW	5350	42 S6	80,91 oct. RR S.
BUCKLEY Tower (Colo)(NG)	201 (126.18)		CA	(3); 126.18 (8-16)
(NG)(N) Buckley (NAS) (Denver, Colo)	12.5 ESE	5642	80h	73,100 oct,1-ech maint NG. To be taken over by Navy.
➸ Calhan (Colo)	0.6 ESE;hwy N	6500	22	
* Chesterfield Int,4,LS-CG (Ill)	3 ENE;hwy 1 W	612	26 L3 S1	80 oct,P-line NE,NW.
Civil Air Patrol (Denver,Colo)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Clear Ridge (Omaha, Nebr)	5.2 NW;RR N	1230	28 S6	80 oct. P-line E.
COLORADO SPRINGS Range (Peterson)(Colo)	224 (CD)	166°, 3.9	MRLWZ	
Combs (Denver, Colo)	3 NE;RR N	5276	35 S6	80,91 oct. P-line N,S.
Council Bluffs (Iowa)	3 SE;RR S	980	37 S6	80 oct. Bldgs SW.
Craig (Mo)	See Ward Arpt under "New Facilities" - name changed			
Creighton (Golden, Colo)	4 E;lake E	5600	30 S1	80 oct. NW blocked.
➸ Creve Coeur (St. Louis, Mo)	14.5 WNW			ABANDONED
➸ Crosier (Greeley, Colo)	3.5 E;rd,riv S	4648	34 S6	73,91 oct.
Cyril Lebert (Lebanon, Ill)	0.5 SE;hwy N	440	22 S2	80 oct. Poles N,W,S.
DENVER Range (Stapleton)(Colo)	379 (DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER VHF Range (Stapleton) (Colo)	109.1 (DV)(vhf)	211°,9.7	VAR-DTXV	(3);116.1,122.1
Dunlap (Iowa)	0.5 WNW;RR SE	1160	30 S3	80 oct. P-line NNE.
Eagleton (Decatur, Nebr)	1 S;riv NE	1100	26 S2	73 oct. Poles NE;trees NW.
East Colfax (Watkins, Colo)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N,NW.
Edwardsville (Ill)	3.4 E;RR N	555	21 S2	No fuel. P-line E,S
Ellisville (Mo)	0.4 NE;hwy S	750	16 S2	80 oct.
Englewood (Colo)	6.8 SSE;hwy S	5520	45 S6	80, 91 oct.
Flagler (Colo)	0.8 S;RR N	4975	48 S4	80 oct. 20' p-line E.
Fleck's Lakeview (Rochester, Ill)	2.8 W;lake W	580	21 S6	80 oct. P-line W.
Gundlach (Belleville, Ill)	1.8 E	514	23	Obsts sur fld.
H & S (Gillespie, Ill)	1 W;RR S	661	18	P-line N,E.
Harlan (Iowa)	5 SSW;hwy E	1196	27 S2	73 oct. Hi-line S,E.
Hew's (Humboldt, Nebr)	4.2 NNE	1200	13	Pwr line E.PRIVATE
Highland-Winet (Highland,Ill)	3.6 NE;RR S	535	24	P-line S.
Jacksonville (Ill)	3.9 S;hwy E	650	18 S6	80 oct P-line E.
Kratz (St. Charles, Mo)	1.1 ESE;RR S	442	30 L S6	80,91 oct. Port rnwy lgts.
Lakeside (E. St. Louis, Ill)	7 NNE;lake W	420	32 L S6	80,91 oct. Port lgts on rep; SE blocked
LAMBERT-ST. LOUIS Tower (St. Louis, Mo)	278 (126.18, 118.3)		AC (ILS-W)	(4); 126.18, 122.5, 118.3
(NG)(N) [Lambert-St Louis](Nas) (St. Louis, Mo)	10.8 NW;hwy N, W	552	60h L6 S6	80-100 oct. Ltd 100 oct, 2-ech maint NG.Rdo rqrd.
➸ Longmont (Colo)	2.9 W;hwy,5 S	5030	44 S6	80,91 oct. Trees NW.
LOWRY Tower (Colo)	396 (126.18)+		CA ➧:00,20	(3); 126.18
(A) Lowry (Denver, Colo) (A)	5.3 ESE	5412	83h L5 S6	91, 100 oct. JP-1
Lucas (Festus, Mo)	1.7 S;RR W	425	16 S2	73 oct.
➸ Machens (Mo)	1 NNW			ABANDONED
Meremec (Valley Park, Mo)	1.5 ESE;riv N	440	30 L S2	80 oct. Port rnwy lgts. P-line S.
Missouri Valley (Iowa)	1.5 S;RR W	960	16 S2	80 oct.
Negus (Alexander, Ill)	2.8 WSW;RR SE	645	22	PRIVATE.
(N) Neubeiser OLF (St. Louis, Mo) (N)	22 NNW;riv N	438	20h	CLOSED.
➸ Nichols (Colorado Springs, Colo)	2.8 NNE;hwy W	6200	42 S6	80,91 oct. P-line SE,S,SW, NW,N,NE.
OFFUTT Tower (Omaha, Nebr)	396 (126.18)		CA	(3); 126.18
(A) Offutt (Omaha, Nebr) (A)	10 S;RR W	1046	61h L5 S4	91,100 oct. No sto.
Oliver Ranch (Onawa, Iowa)	5 SE;hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
OMAHA Range (Nebr)	320(OH)(vhf)	146°,0.8	SBRAZ-DTV	(3); 116.1, 122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C (ILS-W)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE;lake W	982	54h L6 S6	73,80,91,100 oct. No contact lgts.
Parks (East St. Louis, Mo)	4.2 SW;RR SE	410	26 L4	NW blk.
Parks Metropolitan (East St. Louis, Ill)	3.5 SSW;RR W	420	40 L S6	80,91 oct. Port rnwy lgts. 1700' paved rnwys.
PETERSON Tower(Colo)	272(126.18)		CA	(4);126.18
(A) [Peterson] (Colorado Springs, Colo) (A)	6.3 E; hwy N	6170	85h L5 S6	73,91,100 oct.
➸ Pine Valley (Colorado Springs, Colo)	9.2 N;bet RR,hwy	6575	42 S6	80,91 oct. P-line NE,E,SE, W,NW.
Randolph (Iowa)	1.7 NNE;RR W	1050	20	
Rocky Mountain (Colorado Springs, Colo)	6 ESE	6100	35	
Ross (St. Louis, Mo)	4.8 NNW;RR SE	430	30 S6	80,91 oct. Poles sur fld.
Ruston (Denver, Colo)	10 NNW;hwy W	5550	40 S6	80,91 oct. P-line NE,SW, E,W blocked.Rnwy data unver.
Rutledge (Dupont, Colo)	2.1SSW;	5107	37 S6	Bet RR & hwy. 80,91 oct.Poles sur fld.
St. Charles (Mo)	5.3 NNW;RR N	470	29 S6	80 oct.Poles E,N,NE,SE.
ST. LOUIS Range (Lambert-St. Louis) (Mo)	209(LS)(vhf)	256°,2.2	SBRAZ-DTXV	(3); 116.1, 122.1
SCOTT Army Range (Bellev'l, Ill)	263 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill)	396 +		CA	(4)
(A) Scott (Belleville,Ill)(A)	7.5 ENE;RR S	447	55h L5 S5	73,91,100 oct.JP-1.
Shenandoah (Iowa)	2.8 W;RR SE	960	25 L S2	80 oct. Port rnwy lgts
SKY RANCH Tower (Colo)	296		CI	(3); (8-17)
Sky Ranch (Denver, Colo)	12.6 E;RR S	5478	55 S6	73,80,91 oct.
SPANISH LAKE H Fac.(Mo)	219 (L)	69°, 6.8	FMHW	(Cont.) St. Louis
➸ Springfield (Ill)	3.5 SW;bet RRs	606	51 S6	80,91 oct. Use strips.
SPRINGFIELD,Ill,(Range)	239(ZT)	113°, 2.3	SBMRAZ-DT	(4)
STAPLETON Tower (Denver, Colo)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7
[Stapleton] (Denver, Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
Starling (St. Louis, Mo)	14 SSW;riv,3 N	615	24 S2	80 oct.Trees ESE,SE,WNW.
Steckley (Weeping Water,Nebr)	3 S;RR,rd E	1260	22 S1	80 oct. N blk.
Sylvan Beach (Fenton, Mo)	2 NNW	442	42 L S2	80,91 oct. Port rnwy lgts. P-line N.
TARKIO H Fac. (Mo)	281 (TK)(116.1)		MHTV	(4);116.1,122.1
Tarkio,10,KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct.
Tecumseh (Nebr)	1 W;RR NE	1115	26 S4	80 oct.Trees W;p-line N.
Valley (Nebr)	1.8 NW;RR NE	1150	22 S1	80 oct.
Vest Aircraft Co.(Denver,Colo	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
➸ Wadlow (Alton, Ill)	3.5 NNW	600	25 S6	80 oct. P-line SW,trees S.
Weiss (Kirkwood, Mo)	4 SW	430	15 S4	80 oct. P-line NE,N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

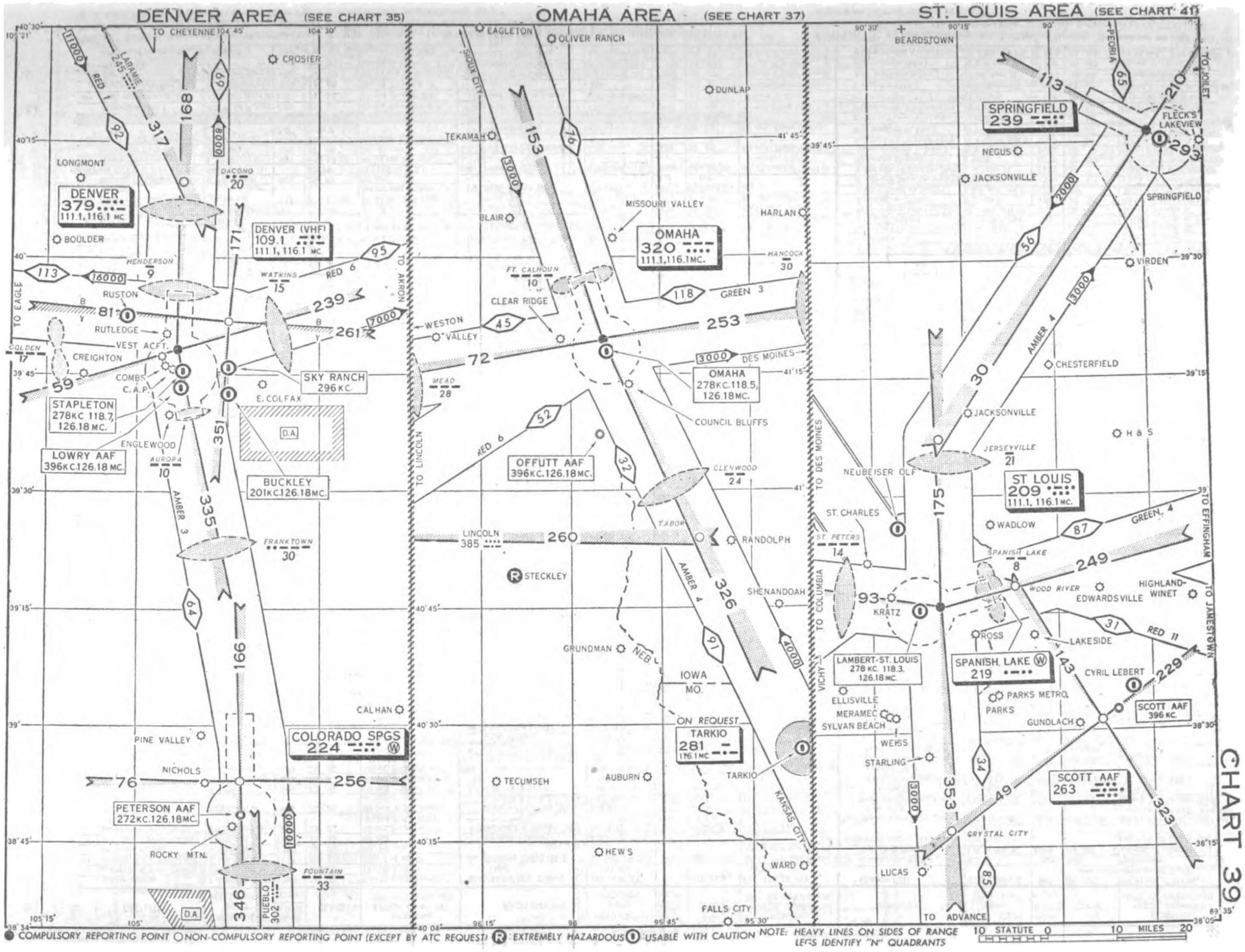
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
➸LAMBERT	110.3		238°	IM-	MM- ·-·-· (0.64)	OM- — — (3.98)
					MMK- 201 ···	OMK-
OMAHA	110.3	335	135°	IM-	MM- ·—·—· (0.78)	OM- — — (4.90)
					MMK- 201 ····	OMK- 219 — — —
STAPLETON	110.3	335	206°	IM-	MM- ·—·—· (0.65)	OM- — — (4.19)
					MMK-335 ···—	OMK- 359 —··

NEW FACILITIES

Tekamah (Nebr)	1.3 S;hwy W	1010	30 S2	80 oct.S blkd.
Lisco (Nebr)	0.5 W;RR N	3800	26	
Patty's (Lewellen,Nebr)	0.3 SE	3300	26	P-line E.
Grundman, (Nebr. City, Nebr.)	1.1 SSW;hwy E	1150	28 S2	80 oct.
Falls City Mun. (Nebr.)	1.8 NE	960	29 S2	80 oct.
Ward (Craig,Mo)	0.6 NE;hwy S		25 S4	80 oct. P-line ESE

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 117.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.58 mcs. ➧ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➸ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


DENVER AREA (SEE CHART 35)
OMAHA AREA (SEE CHART 37)
ST. LOUIS AREA (SEE CHART 41)
DENVER 379 111.1, 116.1 MC
DENVER (VHF) 109.1 111.1, 116.1 MC
SKY RANCH 296 KC.
STAPLETON 278KC 118.7, 126.18 MC.
LOWRY AAF 396KC.126.18 MC.
BUCKLEY 201KC.126.18MC.
COLORADO SPGS 224
PETERSON AAF 272KC.126.18MC.
OMAHA 320 111.1,116.1MC.
OMAHA 278KC.118.5, 126.18MC.
OFFUTT AAF 396KC.126.18MC.
TARKIO 281 116.1 MC
SPRINGFIELD 239
ST LOUIS 209 111.1, 116.1MC.
LAMBERT-ST. LOUIS 278 KC. 118.3, 126.18 MC.
SPANISH LAKE 219
SCOTT AAF 396 KC.
SCOTT AAF 263
TO CHEYENNE
LARAMIE 245
RED 1
RED 6
AMBER 3
AMBER 4
GREEN 3
GREEN 4
RED 11
LONGMONT
BOULDER
DACONO
CROSIER
HENDERSON
WATKINS
FRANKTOWN
CALHAN
PINE VALLEY
NICHOLS
ROCKY MTN.
FOUNTAIN
PUEBLO 302
RUSTON
RUTLEDGE
VEST ACFT.
CREIGHTON
COMBS C.A.P.
E. COLFAX
ENGLEWOOD
AURORA
GOLDEN
TO EAGLE
TO KARON
EAGLETON
OLIVER RANCH
SIOUX CITY
DUNLAP
TEKAMAH
BLAIR
MISSOURI VALLEY
HARLAN
FT. CALHOUN
CLEAR RIDGE
WESTON
VALLEY
MEAD
HANCOCK
DES MOINES
COUNCIL BLUFFS
TO LINCOLN
TO DES MOINES
TABOR
CLENWOOD
LINCOLN
STECKLEY
RANDOLPH
SHENANDOAH
GRUNDMAN
NEB.
IOWA
MO.
TECUMSEH
AUBURN
HEWS
WARD
FALLS CITY
TARKIO
KANSAS CITY
ON REQUEST
BEARDSTOWN
PEORIA
TO JOLIET
FLECK'S LAKEVIEW
NEGUS
JACKSONVILLE
SPRINGFIELD
VIRDEN
CHESTERFIELD
H & S
JERSEYVILLE
NEUBEISER OLF
ST. CHARLES
ST. PETERS
WADLOW
SPANISH LAKE
WOOD RIVER
EDWARDSVILLE
HIGHLAND-WINET
TO EFFINGHAM
TO JAMESTOWN
ROSS
LAKESIDE
CYRIL LEBERT
PARKS METRO
PARKS
GUNDLACH
ELLISVILLE
MERAMEC
SYLVAN BEACH
WEISS
STARLING
VICHY
TO COLUMBIA
KRATZ
CRYSTAL CITY
LUCAS
TO ADVANCE
GRAFTON
ILL.
MO.
CHART 39
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
10 STATUTE 0 10 MILES 20

FACILITY	FREQ., IDENT ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adair (Iowa)	1.5 SSE;RR NW	1350	18 S1	Ltd 73 oct. Trees S.
ATLANTIC H Fac. (Iowa)	257(IZ)(116.1)		MHTV	(4);116.1,122.1
➙ Atlantic, 4B, CG-OH(Ia.)	1.9 W;RR E	1153	33 L3	Bcn 1/4 mi W.
Atlantic (Iowa)	4.6 NW;RR S	1353	21 S6	80, 91 oct.
Audubon Arwys (Iowa)	1 SSE;RR W	1300	15 S1	80 oct.
Bailey's (Brookfield, Mo)	2 WSW;hwy N	800	26 S1	80 oct. Pwr line SE. Poles E,SE. NW blckd
Bailey's Arpk (Chillicothe, Mo)	2 SSE;RR W	675	32 S6	80 oct S,SW blckd.
Beaver (Des Moines)	3.4 NW	900	25 S6	80 oct. (Iowa) [SW,W
Boonville (Mo)	1.5 NNW;riv S	602	26 S2	80 oct. P-lines NE,E.
Bowling Green (Mo)	1.6 NW;RR E	882	25 S2	80 oct. Poles S;pwr line SE.
BRADFORD H Fac. (Int.)	382 (MQ)		MHT	(4) (Ill)*
* ★ Bradford Int, 29, KC-CG (Ill)	4.5 NNE;	795	26 L3 S1	80 oct. P-line SW,NE
(P) Bradley (Moberly, Mo)	3 NNE;hwy W	865	37h S6	80,91 oct. Obsts.
Briggs (Fiscus, Iowa)	4.2 NE;RR E	1370	21 S2	80 oct. Trees N.
BURLINGTON Range	326(BN)(vhf)	357,1.9	SBRAZ-DTV	(4); 116.1, 122.1 (Iowa
(P) [Burlington] (Iowa)	1.7 SSW	698	54h L5 S6	80, 91, 100 oct. Hwy E
Butler, (Mo)	2N;RR,hwy W	870	26 S2	80 oct. Hedge N
Cameron (Mo)	2 E;RR NW	1050	21 S4	80 oct. Poles N,W,NNW.
Carthage (Ill)	1.5 SSW;RR E	665	24 S6	80 oct. P-line E.
➙ CEDAR RAPIDS H Fac	344(CID)		MHW	(Oper City)
(P) Cedar Rapids (Iowa)	6.7 SSW	864	55h L5 S1	80,91 oct. RR E
Centerville (Iowa)	3.5 SSW;RR N	1017	25 S2	80 oct. Use strips only.
Chariton C.A.P (Iowa)	2.3 NNE;RR SE	1050	16 S1	80 oct.
CHILLICOTHE H Fac (Mo	242(CK)(116.1)		MHTV	(4);116.1,122.1
Chillicothe, 7, KC-CG	3 ESE;RR N, SW	780	25h L3	P-line S;trees SW 4000' strip avail.
Clarinda (Iowa)	0.8 SE;RR W	1060	26 S4	80 oct. [rnwy lgts,
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct. No sto. Port
(P) Clinton (Mo)	2 NE;RR SE	800	36 S6	80,91 oct, P-line N,S,
COLUMBIA Range (Mo)	379(CA)(vhf)	89°,3.9	SBRAZ-DTV	(4);116.1,122.1 [SW
Columbia (Mo)	2.4 NW;hwy S	777	33h L4 S6	80,91 oct. Soft when wet
Columbus Junction (Ia)	3 N;RR E	580	28 S2	80 oct. P-line N,E.
Cram (Davenport, Iowa)	2.5 NW;RR SW	646	21 S6	80,91,100 oct.
➙ Creston Arwys (Iowa)	1.6 NE;RR W			ABANDONED
Daviess Co. (Mo)	1.1 W;RR N	930	19 S2	80 oct. Pole N.
Decatur (Ill)	4 NW	678	29 S6	80,91 oct P-line S,SW W, NW.
DES MOINES Range (Iowa)	212(DM)(vhf)	341°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
DES MOINES Tower (Iowa	278 (126.18, 118.3)		C	(4);126.18,122.5,118.3
(A) [Des Moines] (Iowa) Disps (DSM)	4.5 SSW	950	57h L5 S4	80,91,100 oct. RR W.
	1.9 ESE;RR S	786	30 L1 S6	80,91 oct. Appchs blckd except E and N half W boundary.
Dodge (Iowa)	3.5 E;RR E	835	27 S6	80 oct. Hwy E.
Dressler (Anita, Iowa)	7 SSE;rd W	1250	17 S2	80 oct. Trees S.
Eads (Iberia, Mo)	1.1 W;hwy NE	960	32 S2	80,91 oct.
Edwards (Grant City)	1.2 ENE;hwy S	920	23 S2	(Mo.) 80 oct. P-lines S
Fayette Flying Fld. (Mo.)	1.8 S;RR W	730	29 S2	80 oct. Trees W,S.
Fitzgerald (Mendota, Ill)	1.5 NW;lake E	800	22 S6	80 oct. Trees E.
Fordyce (Bethany, Mo)	4.6 ESE;rd W	1050	22 S2	80 oct. [unver.
Fort Madison (Iowa)	1.5 N;RR W		27 S4	80 oct. Ltd sto. Data
Fulton (Mo)	3 WSW;hwy SE	875	15h S6	80 oct. P-line N,NE,S.
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct. Fld lgts prior req. E blocked.
Grand (Grand Mound)	1.2 SW;RR N	770	20 S2	80 oct. (Iowa)
Green (Mexico, Mo)	4.3 ESE;RR S	815	34 L S6	80,91 oct. Port rnwy:
➙ Guthrie Center (Iowa)	0.5 NW;riv E	1074	21 S1	80 oct. [lgts. P-line NW
Hannibal (Mo)	4.3 WNW; hwy N	735	26 L S6	80 oct. P-line W,SW. Port rnwy lgts. Rough
➙ Hillsboro (Ill)	1 NE lake .5 E	625	27 S6	80 oct. P-line SE,SW.
Hi-Way (Piatt, Ill)	1.3 WNW;hwy S	665	20 S6	80 oct. P-line S,E,NW
(P) Hunter (Cedar Rapids, Iowa)	3 S;hwy E	732	27 L3 S6	80,91 oct. Fld lgts prior req. Poles S,E
Huston (Windsor, Mo)	4.3 E;hwy N	932	25 S1	80 oct.
IOWA CITY H Fac (Iowa)	248(IX)(116.1)		BHTV	(4);116,1,122.1
(P) [Iowa City] (Iowa)	1.7 SW;riv E	650	43h L1 S6	80,91 oct. No sto.
Jefferson City (Mo)	2 N;hwy S	550	32 S6	80, 91 oct.
KANSAS CITY Range (Mo)	359(KC)(vhf)	148°, 2.9	SBRAZ-DTXV	(3); 116.1, 122.1
NEW FACILITIES				
Warsaw (Mo.)	2.5 W;lk N,E,S	690	26 S4	80 oct. Trees W,S,E
➙ Sharon (Fremont, Ill)	1 SE;RR,hwy N	631	21 S6	80 oct. P-line NE.
Zims (Warrenton, Mo)	0.4 ESE;hwy W	880	18 S2	80 oct. Trees E,W
Sky Haven (Warrensburg, Mo)	3.7 WNW;hwy S	850	24 S6	80,91 oct. P-lines SE. [V SW
➙ Pana (Ill.)	2 E	706	18 S2	80 oct. P-lines N.
Sky Lake (Tuscumbia, Mo)	8 WSW	588	25 S1	80 oct. Trees NNE

FACILITY	FREQ., IDENT ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
*KANSAS CITY Tower (Mo)	278 (126.18, 118.3)		AC (ILS	(4); 126.18,118.3, 122.5.
➙ [Kansas City] (Mo)	2.5 NW;riv W,S	744	52h L6 S6	80,91,100 oct. Poles E. Dike W. Flood lgts in-
Keokuk (Iowa)	4.6 NNW;riv E	670	28 S6	80,91 oct. [op.
KIRKSVILLE Range (Mo)	391(KR)(116.1)	320°, 0.9	BMRLZ-DTV	(4); 116.1, 122.1
➙ Kirksville Arpk (Mo)	Adj SE	927	26	Clsd winter. [NE.
Kirksville 12, KC-CG	7SE;hwy NE	970	39h L3 S6	(Mo.) 80,91 oct, P-lines
LAMBERT Tower (St. Louis, Mo.)	278(126.18, 118.3)		AC(ILS-W)	(4);126.18,122.5, 118.3
(NG) [Lambert-St.Louis] (N) (NAS)(St.Louis,Mo.)	10.8 NW;hwy N, W	552	60h L6 S6	80-100 Oct...do rqrd.
* Lamoni Int, 10, KC-MP	3 WNW;RR NE	1163	37 L3	(Iowa)
Leon (Iowa)	4.1 N;RR SE	1050	20 S2	80 oct.
➙ Lexington (Mo)	3 WNW;RR NW	650	33 S6	80 oct. P-line S,W,SW
* Luray Int, 16, KC-CG	1.9 ESE;RR N	727	26 L3	(Mo) Poles N,E,W.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct. N,NE blckd. P-line E, SE.
➙ Mader (Garnett, Kans)	2 WNW;hwy S	1060	26	Obst sur fld.
Manning (Iowa)	0.6 SW;RR W	1327	25 S2	73 oct.
Marceline (Mo)	1.5 N;RR SE	855	20 S1	80 oct. P-line NNE.
MARSHALL H Fac. (Mo)	281(MH)(116.1)		MHTV	(4);116.1,122.1
* Marshall Int, 7, KC-LS	1.8 S;hwy W	800	39 L3 S2	80 oct. Trees E,NE,W
(?) Maryville Mun. (Mo)	2.2 WNW;hwy S	1154	25 S6	80, 91 oct. [(Mo)
Matanzas (Havana, Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
McCoy (Blue Mound, Ill)	5 W	660	16 S2	No fuel.
McVille (Mechanicsville, Iowa)	3.2 WNW;RR S	850	30 S6	80 oct. Poles S,W.
Medbury (Armington)	1 NE	550	26	Data unver. (Ill)
Mel Adkins (Gravois Mills, Mo)	4.2 SSE;hwy W	950	19	Rough
Melbourne (Iowa)	1.5 SW	1000	20 S1	80 oct. Poles N.
Melbourne, com. (Iowa)	0.3 S;RR E	1000	21 S2	80 oct. P-line E.
MOLINE Range (Ill)	224(MO)(116.1)	142°, 12.0	SBRAZ-DTV	(4); 116.1 (ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req.)
(P) [Moline] (Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct.;100 oct for Army. Poles NW
Monmouth (Ill)	1.5 NNE;rd E	770	31 L1 S6	80 oct. P-line E,W,S.
MONTEZUMA H Fac.				DECOMMISSIONED
* Montezuma Int, 17, OH-CG (Iowa)	3 E;hwy N	953	32 L3	Poles N,SW,W.
Morton (Ill)	3 W;hwy N		33 S2	80 oct. Use NE/SW strip. Data unver.
Mt. Ayrport (Mt. Ayr, Iowa)	6.6 N;RR N	1100	21 S1	Ltd 80 oct. Poles N, NE.
Mt. Hawley (Peoria, Ill)	6.4 N;RR SW	700	28 S6	80,91 oct. P-lines SE,
Mt. Pleasant (Iowa)	2.6 ESE;RR N	727	19 S2	80 oct. [S,SW
(P) Muscatine (Iowa)	6 SW;RR SE	546	36 S6	80 oct.
Nashville (Ill)	1 E;lake W		20 S1	80 oct. Data unver.
NEW FLORENCE H Fac. (Int.) (Mo)	248(ST)(116.1)		BHTV	(4);116.1,122.1
* New Florence Int, 17, KC-LS (Mo)	1 SSE;hwy N	885	40 L3 S1	80 oct.
➙ Newton (Iowa)	1.5 ENE;hwy S	950	22 S6	80 oct. Poles S
➙ Nicholas (Marshall, Mo)	3.8 S;hwy W	770	26 S6	80 oct. Tree S.
Niederhauser Arwys (Grinnell, Iowa)	4.5 E	1000	26 S1	80 oct. P-line S
OLATHE Navy Range ➙ (Kans)	233 (NUU)	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans	201(142.74)		CN (GCA)	(3);142.74 (8-18)
(N) Olathe Nas (Kans)(N)	5.2 SW;RR W	1065	53h L5 S6	100 oct.
OTTUMWA Tower (Iowa)	272 (142.74)		CN	(3); 142.74
(N) Ottumwa NAS (Iowa)(N)	6.4 NNW	841	52h L5 S6	73, 100 oct.
Ottumwa (Iowa)	3.6 N;RR N	830	32 S6	80,91 oct. P-line W.
Pekin (Ill)	4 S;RR E	505	29 S6	80,91 oct. P-lines SE.
Pella (Iowa)	3.5 SE;RR N	877	24 S6	80 oct. [S,SW,W,NW.
PEORIA Range (Ill)	356 (PI)	178°, 2.3	SBMRAZ-DT	(4)
(P) [Peoria] (Ill)	4.8 WSW;rd E	659	44h L5 S6	80,91 oct. No flood or boundary lgts.
Phil-Larry (Roanoke, Ill)	4 W	474	23 S6	80 oct. Data unver.
Princeton (Ill)	3 N;creek N		18 S2	80 oct. Data unver.
NEW FACILITIES				
Excelsior Springs (Mo.)	1.6 W;hwy S	900	10 S2	80 oct. Bldg SSW
Tyler (Villisca, Iowa)	0.5 E;riv E	1055	18 S1	80 oct. P-line S
Lenox (Iowa)	1 N	1200	22 S1	80 oct. Trees S
Myers-Hughs (Lucerne, Mo)	0.4 SE;RR W	905	20 S2	80 oct. S blkd. Rough
Montgomery (Kahoka, Mo)	0.4 ENE;RR S	700	19 S2	80 oct. N,S blkd.
Lincoln Fly. Svc. (Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N

FACILITY	FREQ., IDENT ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Quincy (Ill)	2.8 SE;hwy E	650	26 S6	80,91 oct. E blckd. P-line SE,S,SW.
(P) Quincy (new) (Ill)	9.5 E	760	54h	Data unver.
Red Oak (Iowa)	1.5 W;RR E	1044	35 S2	80 oct. P-line N.
ROSECRANS Tower (Mo)	278 (126.18, 118.7)		C	(4); 126.18,118 7,122.5
(NG) [Rosecrans] (St. Joseph, Mo)	4 NW;riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct; 2-ech maint NG. Fld lgts prior req.
Roth (Oskaloosa, Iowa)	2 SSE;RR NE	850	20 S2	80 oct. Trees sur fld
➙ St. David (Ill)	1.5 SW;RR N			ABANDONED.
ST. JOSEPH Range (Rosecrans) (Mo)	341 (ZJ)(vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116.1, 122.1
ST. LOUIS Range (Lambert-St.Louis) (Mo)	209(LS)(vhf),	256°, 2.2	SBRAZ-DTXV	(3);116.1,122.1
SCOTT Army Range (Belleville) (Ill)	263 (DCD)	49°, 2.3	SBMRAPZ-DT	(4)
SCOTT Tower (Ill.)	396 +		CA	(4)
(A) Scott (Belleville, Ill)(A)	7.5 ENE;RR S	447	55h L5 S5	73,91,100 oct. IP-1.
Sedalia (Mo)	6.3 NW;RR S	820	30 S6	80 oct. Poles S.
(A) Sedalia AAF (Knobnoster, Mo) (A)	2.8 S;hwy N	848	72h	CLOSED.
Seymour (Iowa)	2 NNW;RR S	1060	24 S1	80 oct. Hedge S.
Slater (Mo)	0.8 NW;hwy NI	850	26 S2	80 oct. P-line adj N.
SPANISH LAKE H Fac (Mo	219 (L)	69°, 7.8	FMHW	(Cont.) St. Louis
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
➙ Springfield (Ill)	3.5 SW;bet RRs	606	31 S6	80,91 oct. Use strips.
Sterling (Ill)	1.4 N;hwy E	645	25 S6	80,91 oct. E,SE blckd.
* Stuart Int, 8, OH-CG (Ia)	3.5 SE;rd E	1189	31 L3	P-line NE,E.
Taylorville (Ill)	1 SW -		26 S6	80 oct. Data unver.
Unionville Arwys (Mo)	1.5 ESE;hwy NE	1100	21 S2	80 oct. P-line N.
Vandalia (Ill)	4.4 NW	532	39h L3 S6	80 oct.
* Van Orin Int, 34, OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vaughn (Trenton, Mo)	1.2 NNW;RR E	790	26	
Venture (Ottumwa, Ia)	2.8 SSE;RR W	800	13 S6	80 oct. P-line N,W,NE
Versailles (Mo)	1.7 ENE;RR N	1050	20 S4	80 oct. P-lines sur fld.
➙ Virden (Ill.)	1 WSW;RR E,S	640	25 S2	80 oct. P-line N,E. Soft.
VICHY (AAF) Range (Mo)	344(OM)(116.1)	310°, 2.7	BMRLZ-DTV	(4);116.1,122.1
(A) Vichy AAF (Mo)(A)	1.5 NNW	1120	55h	CLOSED. Hwy SW.
Vogel (La Salle, Ill)	6.5 NNW;RR E	664	26 S2	80,90 oct. Soft when wet. Poles N, W.
Warrensburg (Mo)	7.3 SSW;hwy E	860	22 S6	80 oct. Use strips only. P-lines SW,NW.
Washington (Iowa)	1.5 SSE;RR NE	789	26 S6	80 oct.
Weise Flying Service (Lone Tree, Iowa)	3.4 NE		26 S2	80 oct. Hi-line N. Data unver.
Winterset (Iowa)	2 W;RR E	1130	21 S4	80 oct. Fence each end rnwy.
Wright (Garden City, Mo)	1.4 NNW;hwy SW	880	25 S1	80 oct. P-line S.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
KANSAS CITY	109.9	333.8	173°	IM- ▪—▪—▪ (2.6)	OM- — — (4.65)
				MM- ▪—▪—▪	OMK-221-▪—▪ OMK-248-▪—▪ (11.0)
LAMBERT	110.3		238°	IM-	OM- ▪—▪—▪ (0.64) OM- — — 3.98)
				MMK 201 ▪▪▪	OMK-
MOLINE	110.3	335	131°	IM- ▪—▪—▪ (0.71)	OM- — — (4.4)
				MMK-	OMK-
				IM-	MM- OM-

NEW FACILITIES				
Dewitt (Iowa)	1.5 ESE;RR S	710	23 S2	80 oct. S blckd.
Newton Fly. Svc. (Iowa)	3 W;hwy S	960	22 S2	80 oct. P-line SE.
Pittsville (Mo)	1.2 WNW;hwy S	925	20 S1	80 oct. P-line W. Trees.
Stephenson (Macon, Mo)	3.5 SSE;RR W	850	26 S2	80 oct. P-line N [E.
Bradshaw (Nebr)	1.3 NNE	1700	26 S6	80 oct. P-line N,S,NW.
Hall (Stratton, Nebr)	1 SE;RR,riv N	2850	27	Poles W, NW. Use strips.
Holdrege Mun. (new) (Neb)	2 ENE;RR,hwy S	2310	36 L1	Facs not installed but
Lakeside (Franklin, Neb)	5 N;lake N	2120	13	Soft when wet. usable.
Ravenna (Nebr)	1 NNE	2070	22 S2	80 oct. Poles W. Use stps.
York (Nebr) [Ia.)	1.8 N;hwy W	1662	30	Poles SW,NW. Use stps.
Adamson Arwys (Perry,	4.8 WSW;RR N	1000	17 S6	80 oct. P-line N.
Wylies (Gorin, Mo.)	3 WNW;riv W	840	14 S2	80 oct. Use strips only
Embry (Trenton, Mo.)	5 SSE;hwy E	800	26 S2	80 oct. P-lines E. Trees W,
Depperman (Owensville,	0.7 NNW	900	29 S2	80 oct. Trees W,NW.
St. Clair (Mo.) [Mo)	1.4 ENE	750	20 S2	80 oct. E,SSE,W blkd.
Palmyra (Mo.)	0.7 SE;hwy W	650	22 S2	80 oct. Trees S. P-lines W.
Ace High (Galt, Mo.)	3 SW;hwy N	937	29 S6	80 oct. Poles SW,N.
Carrollton (Mo.)	4.0 W;hwy W	700	20 S2	80 oct. P-lines NNE.
Eldon Model Arpk (Eldon,	0.9 NE;RR SE	910	23 S2	80,91 oct. [Trees SSW

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) ➙ New or revised data. [Jones] – Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

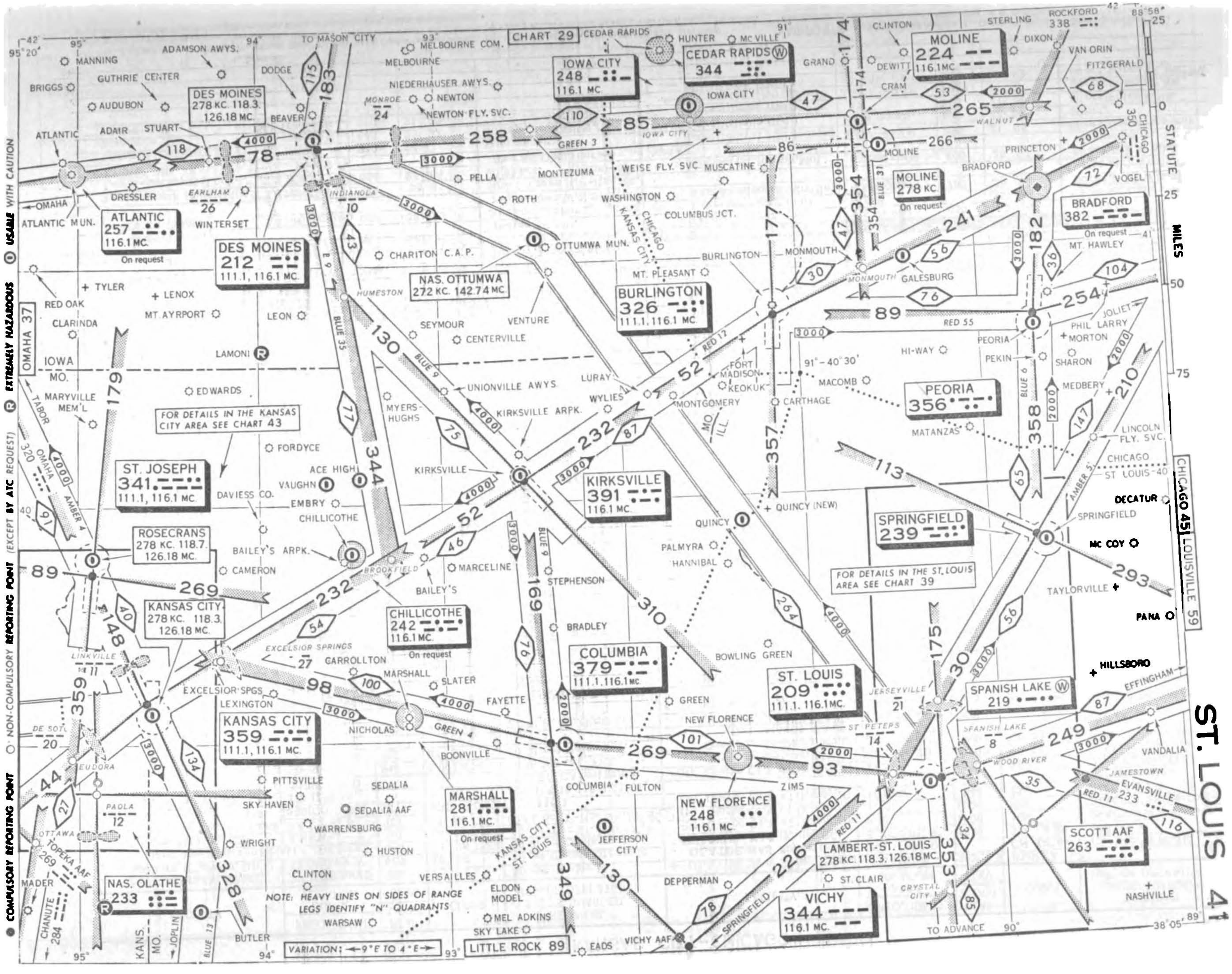


CHART 29
CEDAR RAPIDS
IOWA CITY 248 116.1 MC.
CEDAR RAPIDS 344
MOLINE 224 116.1MC
DES MOINES 278 KC. 118.3. 126.18 MC.
ATLANTIC 257 116.1 MC. On request
DES MOINES 212 111.1, 116.1 MC.
NAS. OTTUMWA 272 KC. 142.74 MC.
BURLINGTON 326 111.1, 116.1 MC.
MOLINE 278 KC. On request
BRADFORD 382 On request
PEORIA 356
ST. JOSEPH 341 111.1, 116.1 MC.
KIRKSVILLE 391 116.1 MC.
SPRINGFIELD 239
ROSECRANS 278 KC. 118.7. 126.18 MC.
KANSAS CITY 278 KC. 118.3. 126.18 MC.
CHILLICOTHE 242 116.1 MC. On request
COLUMBIA 379 111.1, 116.1 MC.
ST. LOUIS 209 111.1, 116.1 MC.
SPANISH LAKE 219
KANSAS CITY 359 111.1, 116.1 MC.
MARSHALL 281 116.1 MC. On request
NEW FLORENCE 248 116.1 MC.
LAMBERT-ST. LOUIS 278 KC. 118.3, 126.18 MC
SCOTT AAF 263
NAS. OLATHE 233
VICHY 344 116.1 MC.
FOR DETAILS IN THE KANSAS CITY AREA SEE CHART 43
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 39
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 9°E TO 4°E
LITTLE ROCK 89
CHICAGO 451 LOUISVILLE 59
ST. LOUIS 41
STATUTE MILES
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Allman (Lenexa, Kans)	2.5 NNW; hwy N	900	22 S1	80 oct. Hedge E.
Ashburn (Chicago, Ill)	12 SW; hwy W	620	16 S4	80 oct. Unsafe after rain
Ashland Ave. (Chicago Hgts)	1.5 NW; hwy S	675	29 S6	80,91 oct. Obsts sur fld.
(P) Aurora Airways (Ill)	3 NNW	701	30 S4	80 oct. Twr NE; poles E,W
➝ Cedar Lake Fly. Svc (Cook, Ind)	0.5 E; hwy W	751	28 S4	80,91 oct. P-line NE,SE,SW.
CHICAGO Range (Ill)	350 (CG) (116.1)	152°, 2.2	SBRAZ-DTXV	(3); 116.1
CHICAGO Tower (Ill)	278 (126.18, 118.7, 118.1)		AC (ILS)	(4); 126.18, 118.7, 118.1, 122.5 (GCA test basis)
[Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
Chicago-Elmhurst (Elmhurst, Ill)	2.5 N; hwy SW	707	27 S6	80,91 oct. Poles S,E.
Chicago-Hammond (Lansing, Ill)	1.5 S; RR N	660	37 L3 S6	73,80,91 oct. Obsts sur fld.
(NG) Chicago-Orchard (Ill)	16 NW; RR W	657	58h L5 S6	80,91 oct. JP-1.
CHICAGO-ORCHARD Tower (Chicago, Ill)	396 (126.18)		C	(4); 126.18
Conard (Ottawa, Kans)	3.8 NNE; RR S	946	24 S6	80 oct. P-line N; hedge S.
Elgin (Ill)	2.2 N; hwy W	770	24h S1	80,91 oct.
FAIRFAX Tower (Kans)	278 (126.18, 118.9)		AC	(4); 126.18, 122.5, 118.9
(A) Fairfax (Kans. City, Kans)	3 NE; RR E	746	65h L5 S4	81,100 oct. (A)
➝ Fisher's (Edwardsv'l, Kans)	1 ESE; RR N	770	26 S6	80,91 oct, P-line N.
➝ Gardner (Kans)	1.4 WSW	1070	39	
Gault (Wellsville, Kans)	0.8 ESE; RR N	1020	20 S1	80 oct. Trees E.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58, 142.74
GLENVIEW NAS Tower (Glenview, Ill)	236 (142.74, 140.58)		CN	(3); 140.58; 3117.5 on req
(N) Glenview NAS (Ill) (N)	1.6 NW; RR W	654	63h L3 S6	91,100 oct. No sto. RR E
Grayslake (Ill)	1.1 ENE; rd W	791	26	Trees W,S,E.
Hall's (Olathe, Kans)	2.6 SSE; RR W	1000	16 S2	73 oct. Cat'l on fld. P-
Harlem (Oaklawn, Ill)	2.2 WNW; hwy W	619	26 S6	80 oct. P-line E line N.
HARVEY Range (Rubinkam)	385 (GH)	90°, 2.2	MLWZ	(Ill)
Harrisonville (Mo)	2.1 W; RR N,S	910	18 S1	73 oct. Use strips only.
Hawk's (Atchison, Kans)	1.3 WNW	1000	15 S2	80 oct. Poles N,SE.
Heart of America (Kans. City, Kans)	4 E; RR E	759	23 S6	80 oct. Poles, trees S. Use strips only.
Hinsdale (Ill)	3 S; hwy SE	710	26 S6	73,80 oct. Rolling grnd
Howell (Blue Island, Ill)	3 W; hwy E	600	26 S6	80, 91 oct. strips only.
Independence (Mo)	5.8 ESE; RR S	825	24 S6	80,91 oct. Poles S. Use
JOLIET Range (Ill)	257 (JO) (116.1)	126°, 3.7	SBRAZ-DTV	(4); 116.1
Joliet, 22, LS-CG (Ill)	5 W; riv W	580	30h L4 S4	80,91 oct. Flood lgts prior req. after 2400.
Kane Co. (Elgin, Ill)	7 WNW; hwy E	910	21 S4	80 oct. Trees E,SE,NW
KANSAS CITY Range (Mo)	359 (KC) (vhf)	148°, 2.9	SBRAZ-DTXV	(3); 116.1, 122.1
KANSAS CITY Tower (Mo)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18, 118.3, 122.5
➝ [Kansas City] (Mo)	2.5 NW; riv W, S	744	52h L6 S6	No flood lgts. 80,91,100 oct. Poles E. Dike W. Flood lgts inop
(P) Kansas City-Grandview (Kansas City, Mo)	16.4 S; RR E	1072	55h L5 S6	80,91 oct. No flood lgts. P-line NE,SW.
Lawrence (Kans)	2.5 NNE; hwy S	832	32 L3 S6	80,91 oct. No bcn lgts prior req. P-lines W,E,SE,NE.
Leavenworth Lecompton	3.6 WSW	1125	26 S1	80 oct. Trees N. P-line NE,
Lewis-Lockport (Lockport, Ill)	2.2 WNW; hwy E	664	26 S6	80,91 oct. (Kans) SW. Twr SE. Obsts sur fld
Mitchell (Lombard, Ill)	2.8 NNW	710	24	Data unver.
Momence (Ill)	3.5 SW; riv N	645	23 S2	80 oct. Trees NW,N,NE
Morris (Ill)	4.5 N; hwy W	590	21 S2	73 oct. Poles N,NNE.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
➝ OLATHE Navy Range (Kans)	233 (NUU)	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans)	201 (142.74)		CN (GCA)	(3); 142.74 (8-18)
(N) Olathe NAS (Kans) (N)	5.2 SW; RR W	1085	53h L5 S6	100 oct.
(N) Olathe OLF #2 (Kans) (N)	5 SE	1090	16h	INACT. 4 W of Stanley.
(N) Olathe OLF #4 (Kans) (N)	10 S	1090	22h	INACT. 1.3 SE Spring-
(N) Olathe OLF #7 (Kans) (N)	16 SSW	940	23h	INACT. 4.3 W hill. of Hillsdale.
(N) Olathe OLF #9 (Kans) (N)	11 SE	1070	23h	INACT. 1 N of Stillwell
Ong (Kansas City, Mo)	9 SE; hwy NE	1050	31 S6	80,91 oct. Pwr line SW,
Osawatomie-Paola Mun. (Owawatomie, Kans)	3.8 N; pond S	960	25 S1	80 oct. P-line S. Hedge SW, N
★ Osborn Int, 4, KC-MP (Mo)	1.5 NW; hwy S	1046	32 L3	
Ottawa (Kans)	5.3 S; RR W	975	34 L S6	80 oct. Port rnwy lgts. Rnwy data unver.
Pal-Waukee (Glenview, Ill)	5.5 WNW; RR S	642	30 L S6	80,91 oct. P-line N. Bcn flare pots, rdo sprs. Rnwy data unver.
Prosperi (Tinley Park, Ill)	1.7 SSW; hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW; RR N	650	18 S6	80 oct. Trees S. (Ill)
(NG) [Rosecrans] (St. Joseph, Mo)	4 NW; riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct, 2-ech maint. NG. Fld lgts prior req.
ROSECRANS Tower (St. Joseph, Mo.)	278 (126.18, 118.7)		C	(4); 126.18, 118.7, 122.5
(P) Rubinkam (Harvey, Ill)	2.5 SW; hwy N	615	47 L1 S5	73,80,91 oct. Use W part
St. Charles (Ill)	3.5 E; RR E,S	760	18h	P-line N. only.
ST JOSEPH Range (Rosecrans)	341 (ZJ) (vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116.1, 122.1
SHERMAN Tower (Kans)	396 (126.18)+		CA	(3); 126.18
(A) Sherman (Ft. Leavenworth)	1 NNE; RR W	771	60 L5 S4	73,91,100 oct. (Kans) (A)
Sky Harbor (Northbrook, Ill)	1.6 NW; RR E	680	26 L S6	80,91 oct. Flare pots. P-line S.
Sky Haven (Bensenville, Ill)	1.5 SE; RR W,N	650	23 S4	80,91 oct. Use strips.
➝ State Line Arpk (Stanley)	3.8 NE; hwy E	1000	22 S1	80 oct. Obst sur fld. (Kans)
Stinson (La Grange, Ill)	2 SE; hwy SE	644	25 S6	80,91 oct. P-line S,W
(P) Washington Park (Homewood, Ill)	1.5 SE; hwy E	625	30 S6	80,91 oct. Allway area
Will Co. (Steger, Ill)	0.5 S; RR W	740	15 S6	P-line S. No sto. or fuel
Wooddale (Ill)	1.5 N	711	30 S5	80 oct. Woods SSW; p-
York Township (Lombard, Ill)	2 SSW; hwy N	726	20 S6	80 oct. Use line W. strips. P-line N,E.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC	LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHICAGO	109.9		333.8	132°	IM-	MM- ·—·—(0.79)	OM- ——(5.8)
						MMK- 201 ···	OMK- 219 ·——··
➝ KANSAS CITY	109.9		333.8	173°	IM-	MM- ·—·—(2.6)	OM- ——(4.65)
						MMK-221 ·—·—	OMK-248 ·—— (11.9)

NEW FACILITIES

Triangle (Dyer, Ind.)	1.5 NE; RR E	630	33 S4	80,91 oct.
Lakeside (Gary, Ind.)	7.5 W		35 S4	73,80 oct. Data unver.
East Atchison (Rushville)	4.5 SW; riv W	790	24 S2	80 oct. N,NNW blkd. Use strips only. (Mo)
Glenota (St. Joseph, Mo)	6 WSW; riv N	800	26 S2	80 oct. N,E,W blkd. Use strips only.
Lake Contrary (St. Joseph)	6 SW; riv 2 N	800	21 S6	80 oct. Use strips only.
➝ Lake Village (Ind.)	1 NW; hwy S	650	22 S4	80 oct.
Crown Point (Ind.)	2 N	650	27 S6	80 oct. Poles E,NE.
➝ Stanley Co. Club (Kans)	2.5 NE; RR SE	1000	28 S1	80 oct. Poles SE,SW.
➝ Skyway (Gary, Ind.)	4 WSW; RR W	630	19 S2	80 oct. Wires SE,SW,NW.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (S) - 3265, 4495, 6550 kcs. (4) - 3165, 4495, 6550, 9117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.85 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➝ New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are lettered and non-capitalized.

KANSAS CITY AREA

(SEE CHART 41)

ROSECRANS 278 KC 118.7, 126.18 MC

ST. JOSEPH 341 111.1, 116.1 MC

SHERMAN AAF 396 KC 126.18 MC

KANSAS CITY 359 111.1, 116.1 MC

FAIRFAX AAF 278 KC 118.9, 126.18 MC

KANSAS CITY 278 KC 118.3, 126.18 MC

NAS. OLATHE 201 KC 142.74 MC

NAS. OLATHE 233 R

CHICAGO AREA

(SEE CHART 45)

NAS. GLENVIEW 269

NAS. GLENVIEW 236 KC 142.74 MC.

CHICAGO - ORCHARD 396 KC 126.18 MC.

CHICAGO 350 116.1 MC.

CHICAGO 278 KC. 118.1, 118.7, 126.18 MC.

JOLIET 257 116.1 MC.

HARVEY W 385

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS W: USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

CHART 43

CHICAGO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albertus (Freeport,Ill)	3.8 SE;RR S	740	26 S6	73,80 oct. RR W.
Aretz (Lafayette,Ind)	4 NE	500	35 S6	80 oct.Data unver.
Attica (Ind)	2.5 SSE;hwy W	647	26 S2	80 oct. P-line W.
Bellevue (Iowa)	3 N;RR W	652	10 S1	80 oct.
BENDIX Tower (Ind)	278 (118.3)		C	(4); 118.3,122.5
[Bendix](South Bend, Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct.P-line E,S.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct.Port rnwy lgts.
BRADFORD H Fac.(Ill)	382 (MQ)		MHT	(4)
Bradford Int,29,KC-CG (Ill)	4.5 NNE	795	26 L3 S1	80 oct.P-line SW,NE.
Chain Lakes (South Bend, Ind)	5.2 W;hwy N,S	765	22 S3	80 oct.
Champaign (Ill)	2 NNW;hwy SW	753	28 S6	73,80 oct. W,NW,S blocked.
CHANUTE Army Range (Rantoul) (Ill)	365 (DNU)	43°, 3.3	SBMRAZ	(3); 126.18
CHANUTE Tower (Ill)	396(126.18)+		CA	(3); 126.18
(A) Chanute AAF (Rantoul, Ill) (A)	1 SE;RR W	738	63h L5 S6	73,91,100oct.JP-1, Pole N
Cheever (Demotte,Ind)	3 W		29 S1	80 oct. Data unver.
CHICAGO Range (Ill)	350(CG)(116.1)	152°, 2.2	SBRAZ-DTXV	(3); 116.1
CHICAGO Tower (Ill)	278 (126.18, 118.7,118,1)		AC(ILS)	(4); 126.18,118.7,118.1 122.5 (GCA test basis)
[Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
→ City (So.Haven,Mich)	4 S;RR W	640	35 S2	80 oct.
Clearview (Earlville)	3 E;hwy S		18 S1	80 oct.Data unver.(Ill)
Clinton Fly.Club(Ill)	4.8 NE	720	13	
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct.No sto.Port rnwy lgts.SE,SW,NW.
→ Cooper (Tuscola,Ill)	1.6 SW;RR E	650	24 S6	73,80 oct,P-line N,NE.
Cork (West Lebanon, Ind)	4 W		24 S1	80 oct. Obsts NE. Data unver.
Cram (Davenport,Ia)	2.5 NW;RR SW	646	21 S6	80,91 oct.
Crown Point (Ind)	2 N	650	27 S6	80 oct.No sto.Poles E, NE
Culver (Ind)	2 E;lake W	815	26	
Danville (Ill)	2.4 SSW;hwy W	640	33 S6	80,91 oct.N blkd.P-line N,NE.Hedge SW
Decatur (Ill)	4 NW	678	29 S6	80,91 oct.P-line S,SW, W, NW.
(P) Decatur Park (Ill)	4 E;RR,hwy S	679	53h L5 S6	80,91 oct.No flood lgts
Dixon (Ill)	1.9 ESE;RR S	786	30 L1 S6	80,91 oct.Appchs blkd except E, NW.
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct. Trees E. (Ill)
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct.Fld lgts prior req. E blkd.
Gamble (Hobart,Ind)	1.8 NNW;hwy S	650	25 S6	80,91 oct.P-line E,NE
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct.P-line E,SE, S, W, SW.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58,142,74
GLENVIEW Nas Tower (Ill)	236 (142.74, 140.58)		CN	(3); 140.58; 3117.5 on req.
(N) Glenview NAS (Ill)(N)	1.6 NW;RR W, E	654	63h L3 S6	91,100 oct.No sto.
Gordon (New Carlisle)	2.8 ESE;RR N	730	13 S1	Fuel avail.Poles E.(Ind)
Halsmer (Lafayette,Ind)	3 ESE;RR S	595	40 L S6	80,91 oct.Port lgts on req.
Hamilton (Polo, Ill)	2.3 NE	795	25 S3	80 oct.P-line N, E blocked.
HARVEY Range (Rubinkam)(Ill)	385 (GH)	90°, 2.2	MLWZ	
Highland (Perrysville)	2.8 WNW	585	23 S2	Ltd 73 oct (Ind)
Hi-Way (Piatt, Ill)	1 NE	630	25 S4	Data unver.
(P) [Hulman](Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct.No sto.Fld lgts prior req.
Illini (Urbana, Ill)	2 NNE;hwy E	740	25 S6	80 oct.Floares on req. E,SE blkd.P-line SW.
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7 (Exper. GCA)
(P) [Indianapolis](Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct.Exper lgtg
Interstate (De Kalb,Ill)	1.8 E;RR W	900	34h	CLOSED.
Jasper Co.(Rensselaer, Ind)	1.5 WNW; hwy S	676	32 L3 S4	80 oct.
JOLIET Range (Int.)(Ill)	257(JO)(116.1)	126°, 3.7	SBRAZ-DTV	(4); 116.1
Joliet, 22, LS-CG (Ill)	5 W;riv W	580	30h L4 S4	80,91 oct.Flood lgts prior req after 2400.
Kankakee (Ill)	3.2 WSW; hwy E	625	26 S4	73,80 oct.Use strips only.Ditch N.
→ Kentland (Ind)	4 WNW	650	25 S4	80 oct,P-line NE.
Kingman Fly Svc.(Ind)	0.5 E;hwy N	710	26 S4	80 oct.No sto.Data unver.
Kiswaukee (Sycamore, Ill)	2.5 SW;riv N, S, E	830	19 S6	80 oct.P-lines N, NW.
LAFAYETTE Range (Purdue Univ.)(Ind)	227 (LF) (116.1)	50°, 2.4	BMLZ-DTV	(4); 116.1
Lakeside (Gary, Ind)	7.5 W		35 S4	73,80 oct.Data unver.
La Porte (Ind)	2.5 SSW;RR W	801	29 L3 S6	80 oct.S&SW blkd.
Lockwood (Frankfort, Ind)	2.5 S;RR W	873	20 S6	80 oct.E,SE blkd.
Logan (Logansport,Ind)	7 S	594	15 S1	80 oct.P-line S.
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct.No sto. Appchs blocked, except SW. Port lgts prior req.
McCOOL H Fac.(Int)(Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
Machesney,7.CG-Twin Cities (Rockford,Ill)	6 NNE;riv NW	735	29 L3 S6	73,80 oct.E,S blkd.P-line SE.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct.N,NE blkd. P-line E,SE.
Matanzas (Havana,Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Medbery (Armington)	1 NE	650	26	Data unver. (Ill)
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct.P-line S,W.
Midway (Goshen,Ind)	5 NW		36	Data unver.
MOLINE Range (Ill)	224(MO) (116.1)	142°, 12.0	SBRAZ-DTV	(4); 116.1 (ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req)
(P) [Moline](Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct.100 oct for Army. Poles NW.
Monticello (Chalmers. Ind)	3 ENE;RR W	650	19 S2	80 oct. Hwy W.
Morton (Groveland)	0.5 NNE;hwy N	792	24 S2	80 oct.P-line N,W.(Ill)
Mt. Hawley (Peoria,Ill)	6.4 N;RR SW	700	28 S6	80,91 oct.P-lines SE,S.
Ockley (Ind)	1 W		23	Pwrlines N,W. [SW Trees E.Data unver.
Ottawa (Ill)	Adj NW		22 S2	80,91 oct.Data unver.
Paul S. Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S4	80,91 oct. P-line NE, SW.
Pecatonica (Ill)	1 N;hwy E	750	24 S6	73 oct. P-line E.
Pekin (Ill)	4 S;bet RRs	505	29 S6	80 oct.P-line W,N,E.
PEORIA Range (Ill)	356 (PI)	178°, 2.3	SBMRAZ-DT	(4)
(P) [Peoria](Ill)	4.8 WSW rd E.	659	44h L5 S6	80,91 oct.No flood or boundary lgts.
Phil-Larry (Roanoke Ill)	4 W	747	23 S6	80 oct. Data unver.
(P) Plymouth (Ind)	1.5 NW;RR E	898	32 S4	80,91 oct.Poles W,E.
Port O'the Woods (Annapolis,Ind.)	2.2 NNW	560	33 S4	80 oct.Trees E,NE,WSW
Powell Brothers (Sheldon, Ill)	2.2 S;hwy NE	690	20 S2	80 oct.
Princeton (Ill)	3 N;creek N		18 S2	80 oct. Data unver.
Reimer (Lafayette. Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver.
ROCKFORD Range (Machesney)(Ill)	338 (RD) (116.1)	45°, 1.7	SBRAZ-DTV	(4); 116.1
(P) Rubinkam (Harvey,Ill)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W
Russell's (Hoopeston, Ill)	6.5 WNW; RR S		13	PRIVATE.Data part. unver.
→ St. David (Ill)	1.5 SW;RR N			ABANDONED.
Sandwich (Ill)	1 W;RR N		18 S4	80 oct. Data unver.
SOUTH BEND Range (Bendix)(Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3); 116.1
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
→ Springfield (Ill)	3.5 SW; bet RRs	606	31 S6	80,91 oct.Use strips.
Stair (Mulberry, Ind)	0.3 NE;hwy S	650	16 S4	80 oct.No sto. P-line S. Data unver.
Starke Co.(Knox,Ind)	1.7 S		26 S3	80 oct.P-lines sur fld. No sto.
Sterling (Ill)	1.4 NW; hwy E	645	25 S6	80,91 oct.E,SE blkd.
Stockton (Ill)	2.3 SSE	940	18 S1	80 oct. Data unver.
Streator Air Svc.(Ill)	2 ENE;hwy S	650	26 S4	80 oct. P-line E.
Triangle (Dyer,Ind)	1.5 NE;RR E	630	33 S4	80,91 oct.P-line S,SE. Bldg W.
Triangle Air Service (Wellsboro, Ind)	2 NNE; hwy S	800	23 S2	80 oct.
Twin Cities-Ross (Benton Harbor,Mich)	1.5 NNE; RR S	649	38h S6	80 oct. Poles E.
(P) University of Illinois (Champaign, Ill)	5.5 SSW; RR E	752	53h S6	80,91 oct. Flares on req.
Urschell (Valparaiso, Ind)	1.7 NNE; hwy E	766	26 S2	80 oct. P-line N.
* Van Orin Int, 34, OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vermillion (Danville, Ill)	4 E;RR N, SW	650	21 S4	80 oct.30' poles S.
Vogel (La Salle, Ill)	6.5 NNW; RR E	664	26 S2	80,90 oct.Soft when wet. Poles N, W.

INSTRUMENT LANDING SYSTEMS (*Localizer, Glide Path in mcs. Compass Locator in kcs*)

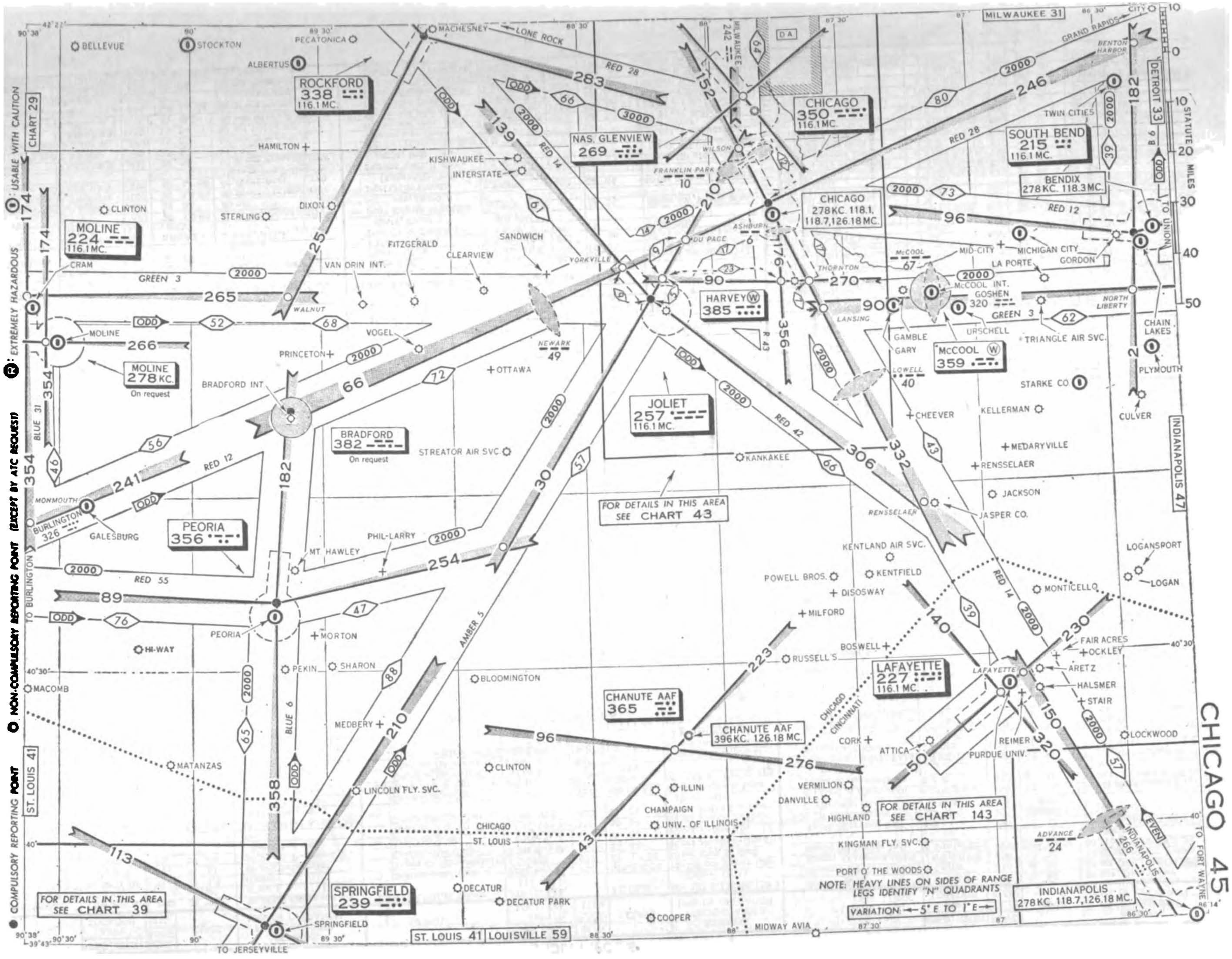
LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CHICAGO	109.9	333.8	132°	MM- •—•—• (0.79)	OM- ——(5.8)
				MMK- 201 •••	OMK- 219 •—••
MOLINE	110.3	335	131°	MM- •—•—(0.71)	OM- ——(4.4)
				MMK-	OMK
				MM-	OM-
				MMK-	OMK
				MM-	OM-
				MMK-	OMK

NEW FACILITIES

Milford (Ill)	0.5 N; RR E	670	29 S5	80,91 oct, Tank ESE.
Kentfield (Kentland,Ind)	2.4 SSE;RR W	805	22 S4	80 oct.Poles N,NE,SW,W.
Starke Co. (Knox,Ind.)	0.9 S;hwy E	714	29 S6	80 oct.P-lines NE,SE,SW,NW
Mid-City(Mich.City,Ind)	3S	650	26 S4	80 oct.Wires N,S Data unver
Stewart Fld.(Danville,Ind)	1.5 E	750	25 S1	80 oct.Wires N,S Data unver
Elnora (Ind.)	.25 SE		18 S1	80 oct.P-lines N Data unver.
Boswell (Ind.).	1 N		15 S4	80 oct Data unver.
Fair Acres(Buck Creek,Ind)	0.5 E	595	26 S2	80 oct.Trees N Data unver.
Skyway(Tolleston,Ind.)	4.5 N	630	18 S1	80 oct.Trees NE,Wires SE,NW
Kellerman Fld(N.Judson,Ind)	1.5 S;hwy E	650	17 S1	80 oct.Wires SE Trees N.
Sharon(Fremont,Ill)	1 SE;RR,hwy N	631	21 S6	80 oct.P-line NE
Lincoln Fly.Svc.(Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N.
Jackson (Francesville,Ind.)	4.8 WSW	675	19 S2	80 oct.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII).
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


CHICAGO 45
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
CHART 29
BELLEVUE
STOCKTON
PECATONICA
ALBERTUS
ROCKFORD 338 116.1 MC.
MACHESNEY
LONE ROCK
RED 28
MILWAUKEE 242
MILWAUKEE 31
GRAND RAPIDS
BENTON HARBOR
DETROIT 33
CHICAGO 350 116.1 MC.
NAS. GLENVIEW 269
WILSON
FRANKLIN PARK 10
TWIN CITIES
SOUTH BEND 215 116.1 MC.
BENDIX 278 KC. 118.3 MC.
CHICAGO 278 KC. 118.1, 118.7, 126.18 MC.
HAMILTON
KISHWAUKEE
INTERSTATE
RED 14
CLINTON
STERLING
DIXON
MOLINE 224 116.1 MC.
CRAM
GREEN 3
FITZGERALD
CLEARVIEW
SANDWICH
YORKVILLE
VAN ORIN INT.
WALNUT
ASHBURN
DU PAGE
THORNTON
McCOOL 67
MID-CITY
MICHIGAN CITY
GORDON
LA PORTE
McCOOL INT.
GOSHEN 320
GREEN 3
NORTH LIBERTY
CHAIN LAKES
PLYMOUTH
HARVEY (W) 385
LANSING
GAMBLE
GARY
LOWELL 40
URSCHELL
TRIANGLE AIR SVC.
McCOOL (W) 359
MOLINE
MOLINE 278 KC.
On request
PRINCETON
VOGEL
NEWARK 49
OTTAWA
BRADFORD INT.
BLUE 31
BRADFORD 382
On request
STREATOR AIR SVC.
JOLIET 257 116.1 MC.
KANKAKEE
STARKE CO.
CHEEVER
KELLERMAN
MEDARYVILLE
RENSSELAER
JACKSON
JASPER CO.
CULVER
INDIANAPOLIS 47
FOR DETAILS IN THIS AREA SEE CHART 43
MONMOUTH
BURLINGTON 326
GALESBURG
PEORIA 356
MT. HAWLEY
PHIL-LARRY
RED 55
TO BURLINGTON
HI-WAY
PEORIA
MORTON
PEKIN
SHARON
MACOMB
MEDBERY
MATANZAS
BLUE 6
AMBER 5
ST. LOUIS 41
LINCOLN FLY. SVC.
BLOOMINGTON
CLINTON
CHANUTE AAF 365
CHANUTE AAF 396 KC. 126.18 MC.
CHICAGO ST. LOUIS
CHICAGO CINCINNATI
ILLINI
CHAMPAIGN
UNIV. OF ILLINOIS
VERMILION
DANVILLE
HIGHLAND
FOR DETAILS IN THIS AREA SEE CHART 143
KENTLAND AIR SVC.
POWELL BROS.
KENTFIELD
DISOSWAY
MILFORD
BOSWELL
RUSSELL'S
LAFAYETTE 227 116.1 MC.
LOGANSPORT
LOGAN
MONTICELLO
FAIR ACRES
OCKLEY
ARETZ
HALSMER
STAIR
LOCKWOOD
CORK
ATTICA
REIMER
PURDUE UNIV.
KINGMAN FLY. SVC.
PORT O' THE WOODS
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION 5° E TO 1° E
INDIANAPOLIS 278 KC. 118.7, 126.18 MC.
ADVANCE 24
INDIANAPOLIS 266
TO FORT WAYNE
TO UNION
STATUTE MILES
SPRINGFIELD 239
DECATUR
DECATUR PARK
COOPER
MIDWAY AVIA
SPRINGFIELD
TO JERSEYVILLE
FOR DETAILS IN THIS AREA SEE CHART 39
ST. LOUIS 41 LOUISVILLE 59

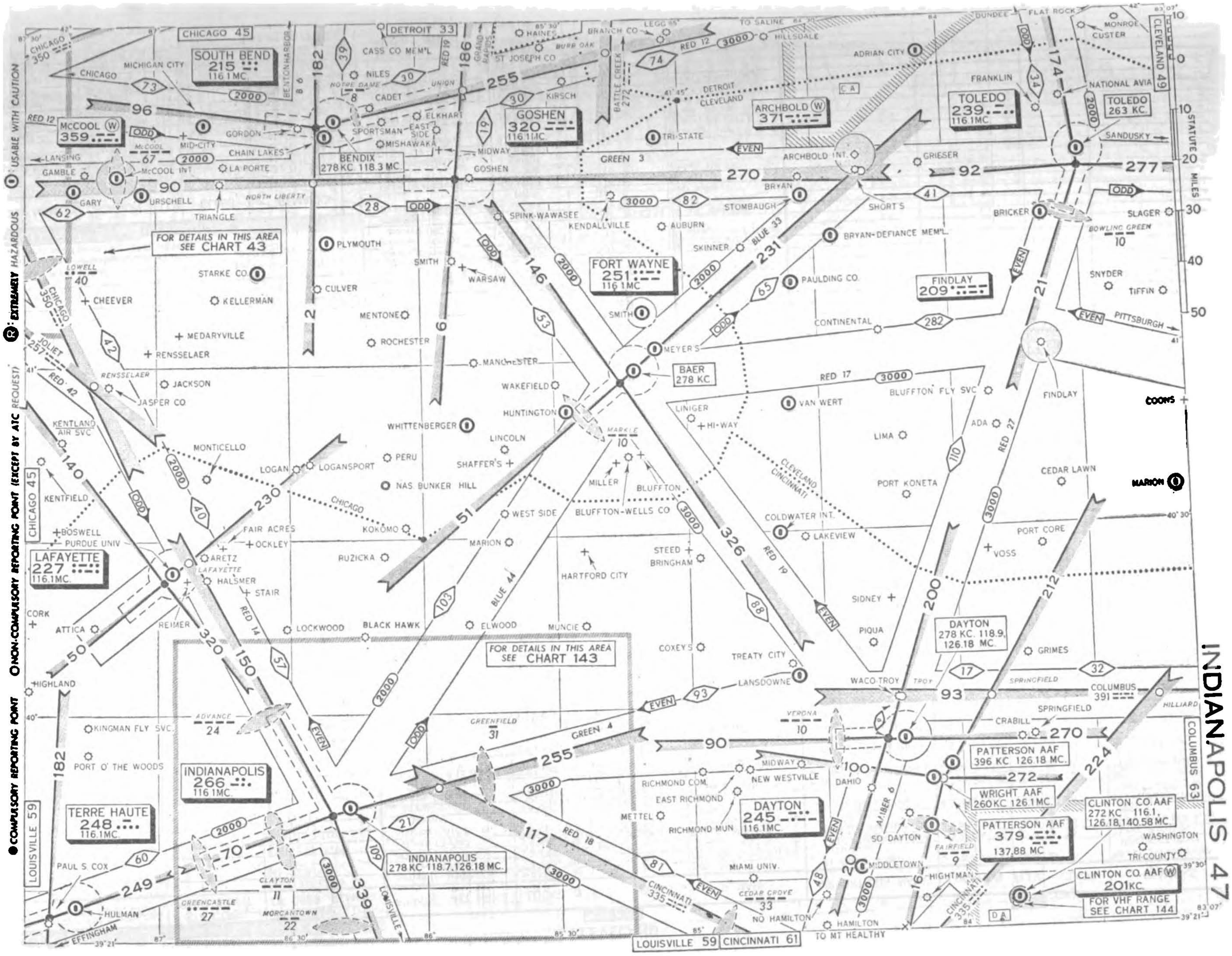
FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adrian City (Adrian)	3 SW;RR N	800	25 S6	80,91 oct.Obsts sur fld.
ARCHBOLD H Fac.(Ohio)	371 (YV)		MHW	(Cont.) (Mich)
* Archbold Int,18,CG-LG	3.5 NNW;RR N	716	28 L3	(Ohio)
Attica (Ind)	2 S;hwy W	647	26 S1	80 oct.Data unver.
Auburn (Ind)	1.3 NNW;RR E	872	27 S6	80,91 oct.P-lines E,W. Soft when wet.
BAER Tower (Ft.Wayne)	278		C	(4)
(A) [Baer](Ft.Wayne,Ind)	7.5 SSW; RR E	799	63h L5 S4	91 oct.100 oct.Army.Fld lgts prior req.
BENDIX Tower (So.Bend)	278 (118.3)		C	(4); 118.3,122.5
[Bendix](So.Bend,Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct.P-line E,S
Black Hawk (Sheridan)	5.3 N;hwy E	925	17 S2	80 oct. (Ind)
Bluffton-Wells Co.	2,8 WSW;RR S	820	32 S4	(Bluffton,Ind.)80 oct.P-line
Bricker (Bowling Green)	1 NE;RR W	675	30 S4	80 oct. (Ohio) NE,ESE.
Bringham(Portland,Ind)	1.5 E;RR E	1020	20	Poles S;120'tank SW.
Bryan-Defiance Mem'l (Defiance, Ohio)	5.2 NW;riv E	705	31 S2	73,80 oct.P-line S,E.
(N) Bunker Hill NAS (N)	1.8 W;RR N	798	50h	INACTIVE. (Ind)
Cadet (So.Bend,Ind)	6.5 NE;RR E	730	26 S4	80 oct.SE,E,SW,S blkd.
Cass Co.Memorial (Dowagiac,Mich)	1 NW	750	31 S4	80 oct.P-lines E.NE. S blocked.
Cedar Lawn (Kenton)	2.3 S;RR E	975	18 S2	80 oct.Poles E.(Ohio)
Chain Lakes (So.Bend)	5.2 W;hwy N,S	765	22 S3	80 oct. (Ind.)
Cheever(Demotte,Ind)	3 W		29 S1	80 oct.Data unver.
CLINTON CO.AAF Range	114.3 (DWO)		VARW	(8-1630 Mon.-Fri)
CLINTON CO. Army H. Fac. (Ohio)	201	220° 0.2	MHW	(8-1630,Mon.-Fri.or on 30 min.notice)
CLINTON CO.Tower (O)	272 (126.18,		CA(ILS-W)	(3);126.18,137.7,116.1
(Wilmington, Ohio)	140.58,116.1)		(GCA)	Tr.on 137.88 on req.
(A) Clinton Co.AAF (Wilmington, Ohio) (A)	2SE;hwy NE	1062	60h L5 S1	73,91,100 oct.JP-1. Rnwy lgts 1 hr's notice
Coldwater Int,4,DY-GO	2 NW;crk NW	898	33 L3	(Ohio)
Coons(Nevada,Ohio)	0.3 NE;RR S		21 S2	80 oct.Data unver.
Cork(W.Lebanon,Ind)	4 W		24 S1	80 oct.Obsts NE.Data
Coxey's (Winchester, Ind)	1 ESE	1088	16 S6	80 oct.P-line unver. S,SW Stacks NW.
Crabill (Spri ngfld,Ohio)	2.5 SE;RR E	1040	29 S6	80 oct.P-line S.
Culver (Ind)	2 E;lk W	815	26	
Dahio (Dayton,Ohio)	8.5 W;hwy S	925	37 S4	80 oct.
DAYTON Range (Ohio)	245 (DY) (116.1)	90°, 3.2	SBMLZ-DTV	(3); 116.1
DAYTON Tower (Ohio)	278 (126.18, 118.9)		AC (ILS-W)	(4);122.5,126.18,118.9
(P) [Dayton] (Ohio)	10 N;hwy E	1007	55h L6 S6	73,81,91,100 oct.
Dr.Haines (Three Rivers, Mich).	2.3 NE;riv SE	820	26 S2	80 oct.N,E,S blkd. Poles N (Ind)
E.Richmond (Richmond)	3.7 ESE;RR E	1090	20 L S6	80 oct.Flares on req.
Elkhart (Ind)	2.7 NNW	752	30 S6	80 oct.N,NE,SE,NW blkd.
Elwood (Ind)	2 S;hwy NW	850	23 S6	80 oct.P-line S.
FINDLAY H Fac.(Ohio)	209 (JF)		BMHT	(4) (cont)
Findlay (Ohio)	1.5 SSW	800	27 L5 S4	80 oct. Hwy NW.
FORT WAYNE Range (Ind) (Baer Field)	251 (FW) (116.1)	51°, 3.5	BMRLZ-DTV	(4);116.1,122.1
Franklin (Toledo,Ohio)	4.5 WNW	630	32 S4	80 oct.Poles sur fld.RR S
Gamble (Hobart,Ind)	1.8 NNW; hwy S	650	25 S6	80.91 oct.P-line NE,E
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct.P-line E,SE,S.
Gordon (New Carlisle, Ind)	2.8 ESE: RR N	730	13 S1	Fuel avail. SW,W Poles E.
GOSHEN Range (Ind)	320 (GO) (116.1)	90°, 2.7	SBRAZ-DTV	(4);116.1,122.1
(P) Goshen (Ind)	4.5 SSE	823	39 L3 S6	80,91 oct.P-line S,SE,SW
Grieser (Wauseon,Ohio)	2.5 E;RR N	750	24 S1	80 oct. Riv SW
Grimes (Urbana,Ohio)	1.5 N;RR W	1055	35 L4 S6	80,91 oct.Fld lgts prior
Halsmer (Lafayette,Ind)	3 ESE;RR S	595	40 L S6	80,91 oct.Port req. lgts on req.P-line SW.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW
Highland (Perrysv'l,Ind)	2,8 WNW	585	23 S2	Ltd 73 oct.
Hightman (Lebanon,Ohio)	3 E;RR W	880	16 S1	80 oct. Trees W,E.
Hillsdale (Mich)	1.6 NW;RR E	1160	19 S4	80 oct.Poles NE.
Hi-Way(Decatur,Ind.)	1.5 SW		25 St	80 oct.Wires E.Data unv
(P) Hulman (Terre Haute, Ind)	5 ESE hwy N	585	53h L5 S4	80,91 oct.No sto.Fld lgts prior req.
Huntington Mun.(Ind)	2.5 SSE;riv S	825	22 S4	73 oct.P-line W,NW.
INDIANAPOLIS Range(Ind)	266 (ID) (116.1)	62°,3.2	SBRAZ-DTV	(3); 116.1
INDIANAPOLIS Tower	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7 (Exper. GCA)
(P) [Indianapolis](Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct.Exper lgtg.
Jasper Co.(Rensselaer)	1.5 WNW	676	32 L3 S4	80 oct.Hwy S. (Ind)
Kendallville (Ind)	2.2 N;hwy W		25 S4	80 oct.No sto.P-line SW.
Kentland (Ind)	4 WNW	650	25 S4	80 oct.P-line NE, S.
Kingman Fly.Svc.(Ind)	1 ESE;hwy N	710	20 S4	80 oct.P-line N,NE,Er.
Kirsch (Sturgis,Mich)	1 NW;RR E	922	24 S4	80 oct.Poles S.E.Use strips only.
Kokomo,mun.(Ind)	4.7 NE	827	40h L5 S2	80 oct.P-line N.Lgts
LAFAYETTE Range (Purdue Univ.)(Ind)	227 (LF) (116.1)	50°, 2.4	BMRL-DTV	(4); 116.1 prior req.
Lakeview (Montezuma)	1 SW;hwy W	895	24 S2	80 oct.Pole N.(Ohio)
Lansdowne (Greenville) Ohio)	2 ESE;RR N	1208	19 S6	80 oct.Bldgs,hi-line N. Data unver.
La Porte (Ind)	2.5 SSW	801	29 L3 S6	80 oct S&SW blkd.RR W
Legg (Coldwater,Mich)	1.5 NW	982	32 S4	80 oct. Trees E.
Lima (Ohio)	4 WNW	830	26 S6	80,91 oct.P-line N.RR
Lockwood (Frankfort,	2.5 S;RR W	873	20 S6	80 oct.E,SE blkd. NE.
Logan (Logansport) (Ind)	7 S	594	15 S1	80 oct.P-line S. (Ind)
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct.No sto.Appchs blkd except S,SW.Port lgts prior req.
Manchester (No.Manchester, Ind)	1.5 W;RR E	752	20 S2	80 oct. Poles S.
Marion (Ind)	3.8 SSW; hwy E	832	24 L S6	80,91 oct.P-line NE,E Port lgts on req.
Marion (Ohio)	2.5 WNW	915	28 S2	80 oct. RR S.
McCOOL H Fac. (Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Mettel (Connersv'l,Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
Meyers (Ft.Wayne,Ind)	3 SSE;rd S,E		24 S6	80,91 oct.Pwrline NE.
(P) Miami Univ.(Oxford,O)	2,2 WSW;RR W	1040	40 S6	80 oct.Poles N,NW.
Mid City(Mich.City,Ind)	3S	650	26 S4	80 oct Wires N
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct.P-line S,W.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E,SW.
Midway (Goshen,Ind)	5 NW		36	Data unver.
Midway (Lewisburg)	3.4 WSW;RR E	1090	26 S4	80 oct.Trees W.(Ohio)
Monticello(Chalmers)	3 ENE;RR W	650	19 S2	80 oct.Hwy W. (Ind)
Monroe (Newport,Mich)	3.5 SSE;lk SE	590	29 S4	80 oct.Trees NE,SE,SW
(P)* Muncie (Ind)	3.5 N;RR SW	950	32h L4 S6	80,91 oct.Lgts on req.
National Avia.(Toledo, Ohio)	4.1 NNE; RR E	595	36 S6	91 oct.P-line S,W,NNE
New Westville (New Paris, Ohio)	2.8 S;RR S	1180	21 S1	80 oct.Poles E,NW,SE.
Niles (Mich)	1.5 NE;RR NW	740	28 S2	80,91 oct.P-line NE,N
No.Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	No sto.Poles S. blkd.
Ockley (Ind)	1 W		23	P-lines N,W.Trees E.
PATTERSON Army Range (Fairfield)(Ohio)	379 (DPK) (137.88)	32°, 2.96	SBMRAZ-DTV	(4);137.88 Data unver.
PATTERSON Tower	396 (126.18)+		CA(ILS-W) :53.13	(4); 126.18
(A) Patterson (Fairfield)(A)	1.6 WSW	819	78h L6 S4	73,100 oct.JP-1.(Ohio)
Paul S.Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S4	80,91 oct.P-line NE,SW
Paulding Co.(Paulding, Ohio)	1.8 NE;RR 2 W	720	25 S4	80 oct.S blkd.
Peru (Ind)	3.5 WSW	650	24 S6	80 oct.S,SW blkd.Riv E
Piqua (Ohio)	4 WNW;RR S	1000	19 S2	80 oct.Poles S,SE,SW.
(P) Plymouth (Ind)	1.5 NW;RR E	898	20 S6	80,91 oct.N,SE appch
Port Core (Rushsylvania, Ohio)	1.6 SSW; RR NW	1275	14	Poles NNE clear.
Port Koneta (Wapakoneta, Ohio)	2,1 NNE;RR E		24 S6	80 oct.SW,W,NW blkd.
Port O'the Woods (Annapolis, Ind)	2.2 NNW creek N	560	33 S4	80 oct.Trees ENE,WSW
(P) Purdue Univ.(Lafayette, Ind)	2.5 W;RR N	605	35h L3 S6	80 oct No sto.P-line N, stack NE.
Reimer (Lafayette,Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver.
Richmond,com. (Ind)	4 WSW;hwy N	1075	38 L1 S6	80,91 oct.P-line N,E
(P) Richmond,mun.(Ind)	6 SSE;RR W	1139	55h L5 S1	80,91 oct.No flood lgts.
Rochester (Ind)	1.5 E;RR N	779	25 L S6	80,91 oct.Poles SE,NW,N.
Ruzicka(Kokomo,Ind)	2.5 S;hwy E	800	26 S6	80 oct. Pole E. NE blkd.
St.Joseph Co.(Centerv'l)	5 SE;RR N	830	26	P-line N,NW blkd.(Mich)
Shaffer's (La Fontaine)	5 NE;hwys N,W		19 S4	80 oct.Data unver.(Ind)
Sidney (Ohio)	1 W;RR S		25 S2	80 oct. Data unver.
Skinner (Hicksv'l,Ohio)	1.6 NNW	810	26 S1	73 oct.Obsts sur fld.RRS
Slager (Fremont,Ohio)	2 NW;RR SW	630	19 S6	73,80 oct.No sto.P-line
Smith (Ft.Wayne,Ind)	4.5 N;bet RRs	831	35h L4 S6	80,91 oct.Lgts N,E,SE, prior req.
Smith (Warsaw, Ind)	4 N	790	27 S2	80 oct.P-line NE,SSW.
SOUTH BEND Range (Bendix) (Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3);116.1,122.1
So.Dayton (Dayton,O)	5 SSW;RR W	750	32 S6	80 oct.No sto Hills S.
Spink-Wawasee (Svracuse, Ind)	3.4 E	880	15 S1	80 oct. P-lines N,NE,S, SW.
Sportsman (Mishawaka)	3.7 NE;riv S	760	26 S6	80 oct.Appchs blkd exc. N,NW
Springfield (Ohio)	4.2 ESE: RR N	1050	27 L4	80 oct No sto. (Ind.) Lgts prior req.
Stair (Mulberry,Ind)	0.3 NE;hwy S	650	16 S4	80 oct.No sto.P-line S
Starke Co.(Knox,Ind)	1.7 S		26 S3	80 oct.P-lines sur fld. Data unv. No sto.
Steed (Portland,Ind)	1.5 NW;hwy E	1000	24 S4	80 oct P-line N,NE.
Stombaugh(Bryan,Ohio)	0.5 S		24 S4	80 oct No sto Fence E wire W.Data unver.
TERRE HAUTE Range (Hulman)(Ind)	248 (TH) (116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Tiffin (Ohio)	1.9 N;RR W	750	26 S4	80 oct.Poles E.
TOLEDO Range (Ohio)	239 (TL) (116.1)	10°, 2.7	SBMRAZ-DTV	(3); 116.1
TOLEDO Tower (Ohio)	263		C	(4)
(P) Toledo (Ohio)	8.2 SSE	623	42h L5 S4	80,91,100 oct. RR W.
Treaty City (Greenv'l)	1.5 NNE	1060	20 S4	80 oct.P-line W.(Ohio)
Triangle (Wellsboro)	2 NNE;hwy S	800	23 S2	80 oct. (Ind) Hwy W
Tri-Co.(New Holland)	3 ESE;RR N	850	21 S1	80 oct. (Ohio)
(P) Tri-State (Angola,Ind)	4.2 W;lk W	900	35 S4	80,91 oct.P-line SE,S,SW
Urschell(Valparaiso)	1.7 NNE;hwy E	766	26 S4	80 oct.P-line N.(Ind)
Waco-Troy(Troy,Ohio)	1.8 SW;RR E	870	30 S6	80 oct.No sto.All appchs
Van Wert (Ohio)	1 WSW;hwy S	785	26 S6	80,91 oct.Poles blkd. N,S,NW,NE.
Voss(Lewistown,Ohio)	5 WNW;hwy S		24 S2	80 oct.P-line S.Data unv.
Wakefield(Huntington)	4 N;hwy E	750	30 S4	80 oct.P-lines SE,SW.(Ind)
Washington(Wash.C.H.)	4.5 ENE;RR S	910	22 S3	80 oct.P-line S.(Ohio)
West Side (Marion,Ind)	2,5 NW;hwy S	835	26 S6	80, 91 oct.
Whittenberger(Wabash)	1.5 NNW	770	20 S2	80 oct. Hwy E. (Ind)
WRIGHT Tower (Ohio)	260 (126.1)		CA	3105,4495; 126.1
(A) Wright (Dayton, Ohio)	5 ENE;RR	800	72h L5	(A)

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in lcs*

LOCATION	LC/LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05) MM- OM- MMK- OMK
DAYTON	110.3	335	55°	IM- MM- OM- (4.4) MMK- OMK
INDIANAPOLIS(L6)	109.9	333.8	44°	IM- MM- (0.89) OM- (4.3) MMK-201 OMK-219
PATTERSON (A)	108.7	333.8	210°	IM- (0.09) MM- (1.12) OM- (4.5) MMK- OMK

NEW FACILITIES

Mishawaka (Ind)	2 SE	700	35 S4		80,91 oct.NNE/SSW.
East Side(Elkhart,Ind)	2.5 E;RR N	750	28 S1		80 oct. NNW/SSE blkd.
Kentfield (Ind)	2.4 SSE;RR W	805	22 S4		80 oct.Poles N,NE,SW,W.
Starke Co.(Knox,Ind)	0.9 S;hwy E	714	29 S6		80 oct.P-lines SW,NW,NE,
Custer(Monroe,Ind)	2.5 WNW	612	40 L1 S2		80 oct.Trees N,W,S, SE.
Branch Co.(Coldwater,Mich)	2.7 WSW;RR S	990	31 S4		80 oct.Hi-lines sur fld.
Miller(Liberty Ctr.Ind)	1 NE	800			Data unver
Warsaw (Ind)	3 NNE		30 S1		80 oct.Wires S,N,NE.
Stewart(Danville,Ind)	1.5 E	750			80 oct.Wires N,S Data unv.
Skyway(Tolleston,Ind)	4.5 N Griffith	630	18 S1		80 oct.Trees NE;wires SE,
Boswell (Ind)	1 N		15 S4		80 oct.Data unv. NW Data unv.
Fair Acres(Buck Crk,Ind)	0.5 E	595	26 S2		80 oct.Trees N Data unver.
Elnora (Ind)	0.4 SE		18 S1		80 oct.P-lines N Data unver
Ada (Ohio)	1.5 NNW;hwy E	945	22 S4		80 oct.
Bluffton Fly.Svc. (Ohio)	1.3 ESE;hwy N	845	20 S4		80 oct. W blkd.
Liniger(Preble,Ind)	0.8 ESE;hwy N	750	24 S3		80 oct.P-line NE,SW,W.
Hartford City (Ind)	1.5 W	910	18 S1		Wires N Data unver.
Kellerman (N.Judson,Ind)	1.5 S;hwy E	650	17 S2		80 oct,Wires SE.
Snyder (Fostoria,Ohio)	1.5 ENE;RR S	762	26 S4		80,91 oct.W blkd.
Mentone (Ind.)	2 SW	800	22 S4		80 oct.P-line S.
Lincoln Fld. (Dora,Ind.)	3 SSW;hwy S	830	21 S1		80 oct.P-line E.
Short's (Archbold,Ohio)	1.2 WNW;RR SE	728	20 S2		80 oct,S blkd.
Bryan (Ohio)	2,8 N;RR SE	810	38 S1		80 oct,S,SW blkd,P-line W.
Continental (Ohio)	2 S;RR NW	726	55 S1		80 oct,N,E,W blkd.
Jackson (Francesville,Ind.	4.8 WSW	675	19 S2		80 oct.


INDIANAPOLIS 47
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
CHICAGO 45
DETROIT 33
CLEVELAND 49
SOUTH BEND 215 116.1MC
McCOOL 359
GOSHEN 320 116.1MC
ARCHBOLD 371
TOLEDO 239 116.1MC
TOLEDO 263 KC
BENDIX 278 KC 118.3 MC
FORT WAYNE 251 116.1MC
FINDLAY 209
BAER 278 KC
LAFAYETTE 227 116.1MC
INDIANAPOLIS 266 116.1MC
TERRE HAUTE 248 116.1MC
INDIANAPOLIS 278 KC 118.7,126.18 MC
DAYTON 278 KC 118.9, 126.18 MC
DAYTON 245 116.1MC
PATTERSON AAF 396 KC 126.18 MC
WRIGHT AAF 260 KC 126.1 MC
PATTERSON AAF 379 137.88 MC
CLINTON CO. AAF 272 KC 116.1, 126.18,140.58 MC
CLINTON CO. AAF 201 KC
FOR VHF RANGE SEE CHART 144
FOR DETAILS IN THIS AREA SEE CHART 43
FOR DETAILS IN THIS AREA SEE CHART 143
LOUISVILLE 59
CINCINNATI 61
COLUMBUS 63
CHICAGO
MICHIGAN CITY
GARY
GAMBLE
LANSING
McCOOL INT
MID-CITY
CHAIN LAKES
GORDON
LA PORTE
URSCHELL
TRIANGLE
NORTH LIBERTY
PLYMOUTH
STARKE CO
KELLERMAN
CULVER
SMITH
WARSAW
MENTONE
ROCHESTER
CHEEVER
MEDARYVILLE
RENSSELAER
JACKSON
JASPER CO
MANCHESTER
WAKEFIELD
HUNTINGTON
WHITTENBERGER
LINCOLN
MONTICELLO
LOGAN
LOGANSPORT
PERU
NAS BUNKER HILL
SHAFFER'S
MILLER
BLUFFTON
BLUFFTON-WELLS CO
KOKOMO
WEST SIDE
MARION
RUZICKA
HARTFORD CITY
STEED
BRINGHAM
KENTLAND AIR SVC
KENTFIELD
BOSWELL
PURDUE UNIV
FAIR ACRES
OCKLEY
ARETZ
HALSMER
STAIR
REIMER
ATTICA
CORK
LOCKWOOD
BLACK HAWK
ELWOOD
MUNCIE
COXEY'S
TREATY CITY
LANSDOWNE
HIGHLAND
KINGMAN FLY SVC
PORT O' THE WOODS
PAUL S. COX
HULMAN
EFFINGHAM
CLAYTON
GREENCASTLE
MORGANTOWN
GREENFIELD
ADVANCE
MIDWAY
RICHMOND COM.
EAST RICHMOND
METTEL
RICHMOND MUN
NEW WESTVILLE
DAHIO
VERONA
MIAMI UNIV.
CEDAR GROVE
NO HAMILTON
HAMILTON
TO MT HEALTHY
MIDDLETOWN
HIGHTMAN
SO DAYTON
FAIRFIELD
WASHINGTON
TRI-COUNTY
WACO-TROY
TROY
SPRINGFIELD
CRABILL
GRIMES
SIDNEY
PIQUA
COLDWATER INT.
LAKEVIEW
PORT KONETA
CEDAR LAWN
PORT CORE
VOSS
LIMA
ADA
VAN WERT
LINIGER
HI-WAY
BLUFFTON FLY SVC
MARION
COONS
FINDLAY
BRICKER
SHORT'S
GRIESER
ARCHBOLD INT.
BRYAN
STOMBAUGH
BRYAN-DEFIANCE MEM'L
SKINNER
PAULDING CO.
CONTINENTAL
SPINK-WAWASEE
KENDALLVILLE
AUBURN
TRI-STATE
DETROIT CLEVELAND
ADRIAN CITY
HILLSDALE
BRANCH CO.
TO SALINE
DUNDEE
FLAT ROCK
MONROE
CUSTER
NATIONAL AVIA
SANDUSKY
BOWLING GREEN
SLAGER
SNYDER
TIFFIN
PITTSBURGH
HAINES
ST JOSEPH CO
BURR OAK
NILES
NOTRE DAME
UNION
CASS CO MEM'L
CADET
KIRSCH
ELKHART
SPORTSMAN
EAST SIDE
MISHAWAKA
MIDWAY
GOSHEN
BENTON HARBOR
GRAND RAPIDS
BATTLE CREEK
LEGG
RED 12
RED 17
RED 18
RED 19
RED 14
RED 42
BLUE 33
BLUE 44
GREEN 3
GREEN 4
EVEN
ODD
STATUTE MILES

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS OF OPER., REMARKS
BISHOP (Flint)	278	C	(4);118.3,122.5
DETROIT CITY (Detroit)	278(118.5)	C	(4);122.5
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
→ DETROIT	338 (D)	MHW;329°,2.2	(Cont.) Detroit
FLINT	335(FN)(116.1)	MHTV	(3);116.1
ROMULUS	230(DT)(116.1)	SBRAZ-DTV;86°, 2.8	(3); 116.1
SAGINAW	212 (SI)	MHT	(4) (cont.)
SALINE FM	(- - -)	FM, 261°, 20	Romulus
SELFRIDGE (Mt. Clemens)(Army)	388 (DLD)	SBMRAZ;119°,2.0	(3); 126.18
Selfridge Field	396 (126.18) +	CA(ILS-W)	(3) only.
WIXOM FM	(- - - -)	FM, 344°, 20	Romulus
→ YPSILANTI (Willow Run)			DECOMMISSIONED.
Willow Run Arpt.	332 (118.7)	C(ILS-W)	(4); 118.7

OHIO

AKRON	362(AX)(116.1)	BMRLZ-DTV	(3); 116.1
Akron Airport	272(118.9)	C; 45°, 0.4	(4);122.5,118.9
AKRON LFM	(-)	LFM, 45°, 4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM, 201°, 10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°, 13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-DTXV; 100°, 0.7	(3); 116.1
ELYRIA FM	(- - -)	FM, 280°, 10.9	Cleveland
FINDLAY	209 (JF)	BMHT	(4) (cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4) (cont.)
→ HOMERVILLE FM			DECOMMISSIONED.
NORTH ROYALTON LFM	(- -)	LFM,145°, 10.8	Cleveland
PERRY (Int.)	332(PE)(116.1)	MHTV	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-DTV	(3); 116.1
Toledo Airport	263	C; 10°, 2.7	(4)
VERMILION FM	(. . - - -)	FM; 280°, 26	Cleveland

CANADA

WINDSOR, ONT.	353(QG)	SBRAZ-T;243°,3.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SELFRIDGE (A)	109.5	332.6	184°	IM- (0.23)	MM- ····· (0.83)	OM- -- (4.31)
					MMK-	OMK-
WILLOW RUN			50°	IM-	MM-	OM-
					MMK 341 — (0.65)	OMK 359·--(5.80)
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice, 2 VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.
+ - Army A C S, transmits on and guards 116 1. 137.88, 140.58 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW, blkd
Ann Arbor	4 S	835	28 L3 S6	80 oct. NE blkd. SW
Baker's (Port Huron)	3 NNW;RR NNE	585	27 S6	80 oct. Poles N,S,NE.
Berz(Birmingham)	1.5 E;RR SW	700	32 S2	80,91 oct. N blkd.
Big Beaver	0.8 E;hwy W	650	21 S6	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW;RR NW	781	50h R2 L5 S5	80,91 oct. P-line N
Burns (Detroit)	8.5 WSW;RR N	625	15 S6	80 oct. SW blkd.
Caro	3 WSW;RR SE	741	22 S2	80 oct. S,SE blocked.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct. Pole line N
Croswell City	1 W;RR, riv E	732	26 S1	80 oct. S blocked.
Dalton (Flushing)	2 ESE;riv W		26 S4	80 oct. Data unver.
(N) Detroit NAS (N)	17 SSW	594	47h R1 L5 S6	91,100 oct. P-line E.
DETROIT CITY	5.5 NE;RR S	625	53h R1 L4 S6	80,91 oct. Fee, com acft ARPT OF ENTRY.
Ford (Detroit)	8.8 SW;RR N	600	37h	PRIVATE.
Forrest (Fostoria)	3.4 S;riv SE	830	24 S1	80 oct. Poleline sur fld.
Gridley (Ypsilanti)	4.4 WSW;RR NW	840	24 S5	80 oct. Pole E; woods N.
Hance (Wyandotte)	2.5 W;hwy N,E	590	28 S6	80 oct. N blkd.
Hartsell Air Term. (Wayne)	3.5 NW;RR E	675	18 S6	80 oct. P-line E, trees ENE, W, WSW, WNW
Howell	0.8 N;lake E	930	20 L1 S1	80 oct.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct. Bcn prior req.
Krist-Port (Farmington)	3.8 N;jct rds	860	27 S6	80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE;RR S	830	34 S6	80 oct. Poles NW; bldg W, SW.
McEnnan (Ypsilanti)	2.7 SSW;rd E	738	23 S4	80 oct. Rd S.
McKinley (Fraser)	1.3 NW;RR E	620	27 ·	Pole line E, NE.
Mettetal (Plymouth)	1.5 SSE;RR E	700	23 S6	73,80 oct. Poles N,W.
Milan	3.8 SW;RR SE	705	23 S2	80 oct. Poleline N
Monroe (Newport)	3.5 SSE;lk SE	590	29 S4	80 oct. Trees NE, SE, SW.
Nan-Bar (Flat Rock)	0.7 ENE;RR N	590	28 S6	80 oct. Smudge pots prior req. Data unver.
Nat'l Flying Service (Detroit)	11.5 WSW;RR N	635	29 S4	80 oct. Poles NE, NW.
(N) Newport OLF (N)	3 W, hwy E	608	20h	
Pontiac	6.4 WNW	970	21h L4 S6	80,91 oct.
(NG) Romulus	See Wayne Co. under "New Airports" - name changed.			
Roseville	0.5 S;hwy W	610	31 S6	80 oct. SE, SW blocked
Saginaw	4.5 E;RR N	601	33 R1 L4 S4	80,91 oct. Poles S, SE, SW
St. Clair Co. (Port Huron)	5.5 SW;hwy S	650	23 L1 S5	80 oct. Poles NE, SE, SW, NW; Lgts on req.
Seely's (Davison)	4 WSW;RR N	780	20 S6	80 oct. N, NE blocked.
(A) Selfridge (Mt. Clemens)(A)	3 E;lake NE	583	60h R3 L5 S6	73,100 oct. JP-1. Poles E. FOREIGN CLEAR STATION.
Skyhaven (Saginaw)	2 NNW;riv E	600	29 S2	80 oct. Trees NE.
Stinson (Wayne)	1.4 SW;RR E	664	25h	P-line NNE. PRIV.
Tecumseh	1.8 NNE;riv SW	815	26 S6	80 oct. P-line S, Wblkd
Thomas B. Joy (Detroit)	See Joy under "New Airports" - name changed.			
Triangle (Plymouth)	1.5 ESE;hwy S	700	26 S4	80 oct. 30' poles N.
Warren	1.6 WNW;RR E	625	23 S1	73 oct. Pole line N.
Washtenaw (Ann Arbor)	5 W	867	26 S2	80 oct. Hi-line S. Data unver.
West's (Clio)	4 SW;rd E	690	21 S2	80 oct.
(P) Willow Run (Ypsilanti)	4 E;RR N; riv S	715	74h R2 L5 S1	90,100 oct. Rdo rec required.
Wings (Utica)	2.5 SW;RR E	630	23 S1	73 oct. N, NE blocked.

OHIO

(P) AKRON	3.4 SE;RR W	1042	44h R2 L5 S4	80,100 oct. No sto. ARPT OF ENTRY.
Ashland	1.8 N;hwy W	1079	28 S4	80, 91 oct. Poleline W
(P) Bricker (Bowling Green)	1 NE;RR W	675	30 S4	80 oct. E blocked
Coons (Nevada)	0.3 NE;RR S		21 S2	80 oct. Data unver.
Fenwick (Kellys Island) (NC)	1.3 NE;bay N	600	15	W blkd, trees S. Rough.
Findlay	1.5 SSW	800	27 R1 L5 S4	80 oct. Hwy NW.
Franklin (Toledo)	4.5 WNW; RR S	630	32 S4	80 oct Pole line all sides.
Gage (Mansfield)	4.5 W;RR SE	1360	13 S2	73 oct.
Galion	1.5 WNW	1155	18 S2	80 oct. RR SE
* Hayesville Int, 27, → LV-CV	2.5 WNW; hwy E	1300	30 R1 L3	
Hinde (Sandusky)	2.8 E;RR S	574	30 S6	80 oct. P-line SE, S. ARPT OF ENTRY.
Kent State	2.8 W;RR S	1120	36 S4	80 oct. No sto. Pole line N.
Ling (Barberton)	3 WSW;RR N	1150	30 S6	80 oct. Obsts sur fld
McKinley (Canton)	2.3 NE;hwy S	1100	32 S4	80 oct. Poles N, S, E.
Mansfield	3.8 N;RR E	1300	56h S6	80,91 oct.
Martin (Canton)	4 NNE;hwy SE	1080	30 L S6	80 oct. Pole line sur fld.

OHIO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Medina Prichard (Medina)	3 WNW;RR NW, SE	1060	29 S6	80 oct. No sto. Poles S. Rnwy data unver.
Miller (North Benton)	1.5 W;RR SE	1070	28 S4	73 oct. Poles S.
National Aviation (Toledo)	4.1 NNE;RR E	595	38 S6	91 oct. Pole line S, W, NNE.
Noble (Massillon)	4.5 NNE;hwy W	1080	22 S6	80 oct. No sto. Poles SSW Const. E/W rnwy
→ Norwalk	0.8 NE;RR W	700	18 S2	80 oct. Poles W, SW.
→ Norwalk Airpark(NC)	2 NNE;RR W	690	29 S6	73,80,91 oct. Poles W, SW.
Parks Airpark (Norwalk)	4.5 S;hwy E, W	880	29 S1	80 oct. Poles E.
Peninsula (Port Clinton)	3.5 E;RR S	587	36 L3	
* Perry Int, 4B, CV-AZ	2.3 NE;RR S	692	26 R1 L3	Poles E.
Port Bucyrus (Bucyrus)	2 S;RR NW, E	1000	26 S6	80 oct. Poles E.
Put-In-Bay	1.2 SSW	590	16	Pole line NW. PRIV, ARPT OF ENTRY.
Slager (Fremont)	2 NW;RR SW	630	19 S6	73,80 oct. No sto. Pole line N, E, SE.
→ Snyder (Fostoria)	1.5 ENE;RR S	762	26 S4	80,91 oct, W blkd.
Taylorcraft (Alliance)	2.5 NNE;RR SE	1080	22h S5	80 oct. No sto. Poles sur fld.
Tiffin	1.9 N;RR W	750	26 S4	80 oct. Poles E.
(P) TOLEDO	8.2 SSE;RR W	623	42h R2 L5 S4	80,91,100 oct.
Wellington	Adj NW;RR W	850	20 S2	80 oct. Stacks NE. Data unver.
Westfield (LeRoy)	1.2 SSE;RR E, S	1030	25 S4	80 oct. Pole line W. Rnwy data unver.
Willard	1.6 SSW;RR NE	960	22 S2	80 oct. Poles W.
(P) Wooster	3 NNE;hwy SE	1150	32 S6	80 oct. Poles S, SE.

NEW AIRPORTS

Akron-Canton, (Ohio)	See Akron-Canton Arpt-Co. Fld under "New Arpts".			
(NG) Wayne Co. (Detroit, Mich) (NG)	16 SW;RR N	630	61h R1 S3	100 oct. 1-ech maint NG ARPT OF ENTRY.
Lodi (Ohio)	2.2 NE;hwy E	1135	25 S4	80 oct. Poles W, bldg NE
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW.
→ Akron-Canton Arpt-County Fld (Canton,	8.5 NNW;RR 1W	1227	56h L6 S1	80,91 oct,
→ Newton Falls(Ohio)	2 SW;RR E	950	22 S1	73 oct. Rough.
→ Tuttle Fld (North Madison, Ohio)	2.2 NW;lk N	625	16	80 oct, N blkd, P-line S,
→ Whiteley (Alliance Ohio)	2 ESE;RR W	1065	16 S1	80 oct, N, S blkd,

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

CLEVELAND 49

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS

①: USABLE WITH CAUTION

DETROIT AREA

DETROIT 33

JAMES CLEMENTS
SKYHAVEN
SAGINAW
CARO
SAGINAW 212
CROSWELL CITY
MICH. 3 D.A.
FLINT 335 (116.1)
On request
FORREST
DALTON
WEST'S
BISHOP 278 (118.3)
LAPEER
SEELY'S
BAKER'S
ST CLAIR CO MUN
ALLEN'S
CENTER
SELFRIDGE AAF 388
SELFRIDGE AAF 396 (126.18)
OXFORD
PONTIAC
HIGHLAND
HOWELL
WIXOM
WASHTENAW
ANN ARBOR
GRIDLEY
McENNAN
SALINE
EGGORSE
FLAT ROCK
ROMULUS 230 (116.1)
MITCHELL BAY
CHATHAM
WINDSOR 353
CLEAR CREEK 248
MILAN
DUNDEE
TECUMSEH
WILLOW RUN 332 (118.7)
NAN-BAR
NAS. DETROIT 269 (142.74)
MONROE
NEWPORT OLF
NATIONAL AVIATION
MICH. OHIO
FRANKLIN
TOLEDO 263
DETROIT CLEVELAND
OHIO 6 D.A.
PUT-IN-BAY
PENINSULA
BOWLING GREEN
BRICKER
TOLEDO 239 (116.1)
SLAGER
SNYDER
TIFFIN
FINDLAY
WILLARD
MANSFIELD
NORWALK
PARKS
VERMILION
ELYRIA
SANDUSKY
HINDE
AVON LAKE
BRECKSVILLE
NORTH ROYALTON
PARKMAN
MEDINA
PRICHARD
WESTFIELD
LING
AKRON 272 (118.9)
ASHLAND
WOOSTER
AKRON-CANTON
McKINLEY
NOBLE
MARTIN
CLEVELAND
PITTSBURGH
MILLER / TAYLORCRAFT
WHITELEY
KENT STATE
AKRON 362 (116.1)
TUTTLE
PERRY 332 (116.1)
AMBER 6
AMBER 9
BUFFALO 51
ERIE 371
CLEAR CREEK 248
FOR DETAILS IN CLEVELAND AREA SEE CHART 141
CLEVELAND 344 (116.1)
FINDLAY 209
ADA
BLUFFTON FLY. SVC
GAGE
PORT BUCYRUS
GALION
COLUMBUS 63
COLUMBUS 391
DAYTON 245
HAYESVILLE
HAYESVILLE 329
TO LANSING
TO BURR OAK
TO ARCHBOLD
TO FORT WAYNE
TO TROY
TO NEWARK
TO PITTSBURGH
TO WELLSBURG
TO ERIE
TO YOUNGSTOWN
CAN. OHIO
MICH. CAN.
STATUTE MILES
NOTE: HEAVY LINES ON SIDES OF AIRWAYS INDICATE U.S. BOUNDARY.

WIXOM 20
KRIST-PORT
BIG BEAVER
BERZ
WARREN
McKINLEY
THOMAS B. JOY
ROSEVILLE
DETROIT CITY 278
DETROIT (W) 338
METTETAL
TRIANGLE
BURNS
NATIONAL FLY SVC.
HARTSELL AIR TERM
FORD
STINSON
HANCE
WAYNE CO
ROMULUS 230 (116.1)
SCALE OF MILES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Albert (Wallaceton, Pa)	3 ENE;rd N.	1750	30 S6	80,91 oct.P-lines sur fld.
Angola (N.Y.)	1.4 N;RR SE	610	15 S1	80 oct.
Arcade (N.Y.)	2 N;RR E,W	1740	22 S4	Ltd 80 oct. No sto.
Ashtabula (Ohio)	3.1 W;lake N	621	17 S2	80 oct.
Audubon (Getzville, N.Y.)	1.7 SSW;RR N,SW	580	19 S6	80 oct.
(P) Batavia (N.Y.)	2.4 NNE;rd W	910	30 S6	80 oct.P-line W.Trees E.
Becker (Brockton, N.Y.)	0.7 S;RR S	320	15	
Bernard (Youngstown, Ohio)	3.4 E;lake NE	1140	28 S6	73,80 oct.P-line N,S,W.
Bird (Youngstown, Ohio)	2.6 NE;RR W	1000	23 S4	80,91 oct. P-line W, N.E.
Braebreeze (Marchand, Pa)	0.3 N;RR NW	1600	18 S2	80 oct. Trees N,NE.
Brockway (Pa)	1.3 NE	1700	18 S2	80 oct.Trees SE,NW
Brokenstraw (Youngsville,Pa)	2.6 W;RR S	1230	19 S6	80 oct.P-line NE,SW,WSW
BROOKVILLE H Fac. (Pa)	391 (BR)		MHW	
★ Brookville Int,45A,CG-LG (Pa)	2 WSW;RR E	1416	30 L3	Trees E,W,SW.
Buffalo Arpk (Gardenville,N.Y.)	1.5 ENE;rd S	680	27 S6	80 oct.
BUFFALO Range (N.Y.)	260(BJ)(116.1)	230°, 0.9	SBRAZ-DTXV	(3); 116.1
➤BUFFALO Tower (N.Y.)	278 (126.18, 118.5)		AC (ILS)	(4); 126.18,122.5,118.5
(A) [Buffalo] (N.Y.)	6.1 ENE;RR NE	711	56h L6 S6	80-100 oct;100 oct.Army. ARPT OF ENTRY.
Butler-Alameda (Butler, Pa)	3.4 WNW	1340	24 S6	80 oct. P-line E.
CLEAR CREEK Range (Ontario,Can)	248 (QO)		BRAZ-T	(4)
Clearfield (Pa)	1.5 WSW;RR SE	1220	20 S1	80 oct. P-line NE.
Conneaut (Ohio)	See Lakeville			
Conneaut Lake (Pa)	1.7 WSW;hwy SE	1250	19 S3	80,91 oct.P-line SE end.
Conway (Pa)	0.7 N	950	24 S4	80 oct.Hill N.Rnwy data
Country Club (Clarence,N.Y.)	2.3 E;RR S	800	36 L S6	80 oct. Trees SW. unver. Port lgts on req.
County (No.Tonawanda,N.Y.)	3.4 E;RR SW	577	21 S4	80 oct.
DUNKIRK H Fac. (N.Y.)	239(DK)(116.1)		MHTV	(4);116.1 (Manned 8-24)
(P) Dunkirk (N.Y.)	3 E;RR N,S	692	40h L5 S6	80, 91 oct.
Dubois (Pa)	1.7 ESE;RR NE	1575	30 S6	80, 91 oct. P-line W.
ERIE Range (Port Erie) (Pa)	371(ER)(116.1)	64°, 2.0	SBMRAZ-DTV	(4); 116.1
Erie City (Kearsarge, Pa)	0.5 W;hwy E	900	29 L S6	80,91 oct.Port rnwy lgts. P-line SE.
Erie County (Erie, Pa)	11.6 SW;hwy N	805	24 S6	80 oct.P-line SSE,NW.
Falconer (N.Y.)	1.3 NNE;RR S	1250	22 S4	80 oct. Obsts sur fld.
➤ Fredonia (N.Y.)	3.5 W;RR SE	620	26 S2	80 oct.P-line N,E.
Gowanda (N.Y.)	1.4 NNW;crk W	760	22 S6	80 oct. No sto.
Graf (Lockport, N.Y.)	2.8 N;RR S	380	15 S6	80 oct.
Green (Ridgeway, Pa)	3 NW;hwy 1 E	1720	21 S1	80 oct.
Greenville (Pa)	3 W; RR E	1180	17 S2	80 oct. P-line S,SW.
Grove City (Pa)	2.1 SSE;RR E	1275	19 S4	80 oct.
Hall (Warren, Ohio)	3.5 ENE;RR NW	900	26 S2	73,80 oct.Poles E.
Hamburg Arpk(N.Y.)	2 NNW;RR,hwy W	722	23 S2	80 oct. P-line NE.
Harri-Emery (Bradford,Pa)	2.3 WSW;hwy N	1490	20 S4	80 oct.
Hayes (Blasdell, N.Y.)	0.7 SSE;RR,E,W	723	20 S4	80 oct. No sto.
Jamestown (N.Y.)	4.1 N;hwy E	1719	27h S6	80 oct. Trees S.
Keystone Park (Emporium,Pa)	0.5 SW	1210	15	P-line SW,NE.
Kylertown (Pa)	1 WNW	1660	40 S6	80 oct. Trees N,WNW.
Lakeview (Burt, N.Y.)	2.2 W;RR S	300	13	
Lake View (N.Y.)	1.5 E;hwy W	750	19 S2	80 oct.
➤ Lakeville (Conneaut, Ohio)	2 ESE;RR N	670	18 S4	80 oct.P-line N,NE,NW.
Lee (Lockport, N. Y.)	1.8 SSE;hwy N	640	18h S2	80 oct. P-line N.
(P) McKean Co. (Bradford, Pa)	11 S;RR SW	2140	45h S1	80 oct.
Medina (N.Y.)	2 W;RR S	500	21 S1	80 oct. Obsts sur fld.
Mercer (Pa)	4.8 NNE;RR W	1300	20 L1 S6	80 oct.
Merry's Pymatuning(Linesv'l,Pa)	1.5 NW;RR E	1200	21 S2	80 oct.P-line NNE.
MILBROOK Range (Pa)	109.1 (MC)		VARW	
Mount Jewett (Pa)	0.8 ESE;hwy N	2240	19 S2	80,91 oct.Trees NE,W.
NIAGARA FALLS Tower (N.Y.)	272 (126.18)		CI	(4); 126.18,122.5(8-20)
(P) Niagara Falls (N.Y.)	4 E;RR N	587	55h L5 S4	80-100 oct.IP-1.No sto.
New Castle (Pa)	4 WNW;hwy SE	1080	29h S5	80 oct.
Olean (N.Y.)	1.8 SE;RR N	1440	22 S6	80 oct.Trees W,N;hill S.
Orchard Park (N.Y.)	2.2 N;hwys W	775	20 S3	80 oct.
Osceola Mills (Pa)	0.5 NE;hwy N	1640	26 S2	80 oct. P-line E.
Palmer (Olcott, N.Y.)	1.2 SSW;RR S	315	17 S2	73 oct. P-line E.
Parker Cramer (Clarion, Pa)	1 ENE;riv N	1480	28 S6	80,91 oct. Trees N,E,S.
Patterson (Beaver Falls,Pa)	1.5 S;RR,riv E	1020	26 S4	80 oct.
Penn-Mead (Meadville, Pa)	3 SSW;hwy E	1365	20 S2	73 oct.
Pembroke Arpk(E.Pembroke,N.Y)	2.5 W;hwy S	900	17 S2	80 oct. Trees SW,W.
Penn-Mead (Meadvi lle, Pa)	4 SW;hwy E	1365	20 S3	80 oct. Trees N,E,S,W.
Perry Central (N.Y.)	1.7 NNW;lk SSW	1400	23	P-line,trees N,E.
Perry (Mars, Pa)	5 E;hwy E	1060	16 S6	80 oct.No sto.P-line E.
PHILLIPSBURG Range (Pa)	224(MJ)(116.1)	169°,5.0	SBRAZ-DTV	(4); 116.1(Black Moshannon)
PHILIPSBURG Range (Pa)	108.7 (MJ)		VARW	
Philipsburg,51A,CG-LG (Pa)	See Black Moshannon,51A,CG-LG under "New Facilities" -name changed			
Pittsburgh-Butler (Butler, Pa)	6.2 SSW;hwy E	1235	49 L1 S6	80 oct. Flood lgts on req.
[Port Erie] (Erie, Pa)	6 WSW;RR SE	735	45h L6 S6	80,91 oct P-line E,S
Port Lawrence (Corry, Pa)	1.2 S;RR N	1745	23 S2	80 oct.Trees SE,W,NW.
Port Meadville (Meadville,Pa)	3.4 W;hwy S	1400	32h L4 S6	80,91 oct.Flood lgts on req.
Port Warren (Warren, Ohio)	1.5 N;RR W		24 S1	80 oct. Data unver. Trees
Punxsutawney (Pa)	3 NE;hwy S	1470	22 S2	Ltd 80 oct.P-line ESE,S,NE
Ripley (N.Y.)	1.4 WNW;lake N	650	22 S4	80 oct. No sto.
St. Mary's (Pa)	3.2 ESE;RR W	1900	21	
Salamanca (N.Y.)	1.6 W;RR, N,S	1370	12 S6	80 oct.
Scott (Lancaster, N.Y.)	1.5 E;RR N,S	680	22 S1	80 oct.P-line SW.Rnwy data
Shawnee (North Tonawanda,N.Y)	4.5 NNE;riv SE	580	33 S6	80 oct.P-line E,W. unver.
Sheridan (Williamsville, N.Y.)	2.5 NE;hwy SE	640	38 S6	80 oct. No sto.
Silver Creek (N.Y.) (NC)	1 WSW;hwy SE	720	11	Trees E,NW.
Silver Springs (N.Y.)	0.5 E;lake NE	1420	15 S1	80 oct.
➤ Sky Harbor (Williamsfield,Ohio)	1 S;hwy E			ABANDONED.
Splane Memorial (Oil City, Pa)	4.1 NNW;hwy E	1490	22h S6	80,91 oct. Trees N,E,S
Springville (N.Y.)	1.5 NE;RR W	1395	26 S4	80 oct.P-line N,E Rnwy data unver.
Steffen (E. Amherst, N.Y.)	3.5 N	582	22 S6	80 oct. Obsts sur fld.
Swaney (E.Liverpool, Ohio)	4.9 NW;crk SE	1170	22 S2	80 oct.
Titusville (Pa)	3.7 WSW	1600	23 S6	80 oct.Pwr line E,NE.
Tonawanda (N.Y.)	3 SSW;RR E	610	30h S4	80 oct.Rough Obsts sur fld.
TORONTO Range (Ontario,Canada)	368 (YZ)	17°, 4.0	SBRAZ-TX	3105,6210,3117.5
Transit (Depew, N.Y.)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Tyndall (Warren, Ohio)	6 NNW;RR E	940	28 L1 S4	80 oct. N,S,W blkd.
Utahville (Pa)	1 N;RR S	1800	22 S6	80 oct. Ltd 91 oct.
Warren (Pa)	2 WSW;RR N	1100	23h S6	80 oct. P-line WNW.
Warren Airways (Ohio)	2.3 WNW;hwy N	900	25 S4	80 oct.Trees S,WNW.
Watson (Youngstown, Ohio)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
Werle (Dunkirk, N.Y.)	1.8 ENE;RR N,S	640	22 S1	80 oct.Poles,trees sur fld.
Westfield (N.Y.) (NC)	1.5 WSW;hwy N	758	18 S1	S blocked.
Wilson Flying Field (N.Y.)	2.5 SSW;RR NW	310	18	ESE blocked.
YOUNGSTOWN Range (Ohio)	212(CT)(116.1)	185°,3.4	BMRLZ-DTV	(3); 116.1
YOUNGSTOWN Tower (Ohio)	278		C	(4)
[Youngstown] (Ohio)	11 N;hwy E	1178	39h L5 S6	80,91 oct.100 oct on req.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
➤BUFFALO	109.9	333.8	232°	IM-	MM- • — • —(0.66)	OM- — — (4.20)
					MMK-	OMK- 201 — • — • —
				IM-	MM-	OM-
					MMK-	OMK-

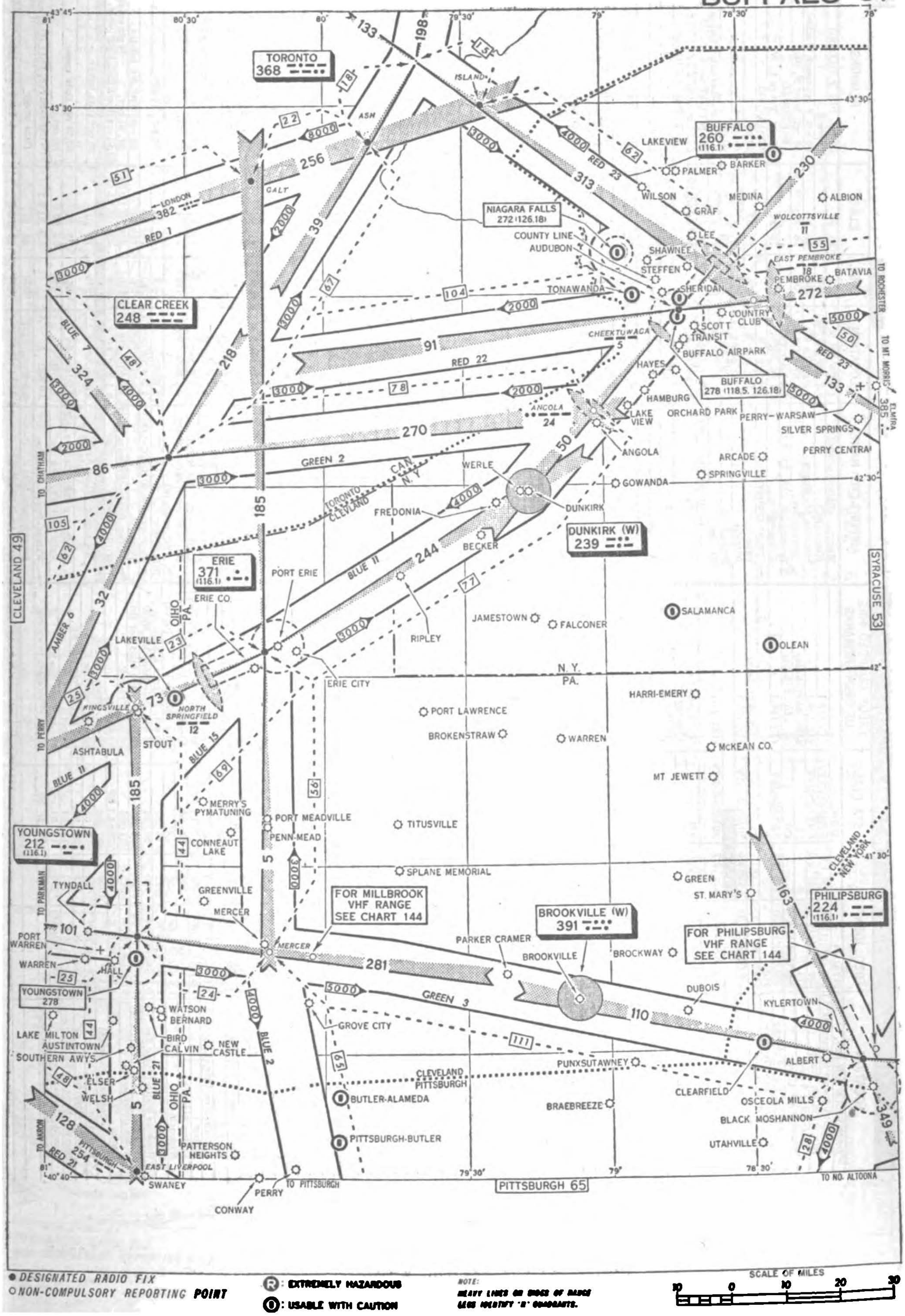
NEW FACILITIES

➤Lake Milton (Ohio)	0.4 W;lake E	950	17	Rough.P-line NE,E.
➤Southern Airways(Woodsworth)	2.5 NNW;hwy N	1040	27 S4	80 oct.E blkd. (Ohio)
➤Welsh Fly.Svc.(No.Lima,Ohio)	2.4S;hwy,lk E	1155	18 S1	80 oct. E blkd.
➤Elser (No. Lima, Ohio)	1.2 NW;hwy E,S	1060	18 S1	80 oct. Trees E,W.
➤Calvin (No. Lima, Ohio)	2.8 WNW	1165	23 S1	80 oct.N,NNW,SSE blkd.
➤Austintown (Ohio)	0.8 SSE;hwy N	1160	31 S4	80 oct. E,W blkd.
Perry Fly.Svc. (N.Y.)(NC)	3.3 W;RR 3 W	1640	21	P-line NNE Reported ABAND
Perry-Warsaw (Perry, N.Y)	3 WNW;hwy N		15 S2	80 oct.
➤Brookfield (Ohio)	0.8 W;RR W			ABANDONED
Black Moshannon,51A,CG-LG	7 E;hwy N	1940	30h L3	(Philipsburg, Pa)
➤Stout(No.Kingsville, Ohio)	1 E;RR N,S	710	30 S2	80 oct.N blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.85 mcs. ● A.A.C.S. Scheduled Broadcast on 4495 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XII ➤ New or revised data. [Closed] - Airline Stop. N. B. Radio facilities are all CAPITALIZED Airports are indented and non-capitalized.

BUFFALO 51


81°
80°30'
80°
79°30'
79°
78°30'
78°
43°45'
43°30'
42°30'
42°
41°30'
41°
40°40'
TORONTO 368
BUFFALO 260 (116.1)
NIAGARA FALLS 272 (126.18)
CLEAR CREEK 248
LONDON 382
GALT
ASH
ISLAND
LAKEVIEW
PALMER
BARKER
WILSON
GRAF
MEDINA
ALBION
WOLCOTTSVILLE
LEE
SHAWNEE
STEFFEN
SHERIDAN
EAST PEMBROKE
PEMBROKE
BATAVIA
COUNTRY CLUB
SCOTT
TRANSIT
BUFFALO AIRPARK
CHEEKTUWAGA
TONAWANDA
COUNTY LINE
AUDUBON
HAYES
HAMBURG
LAKE VIEW
ORCHARD PARK
PERRY-WARSAW
SILVER SPRINGS
PERRY CENTRAL
ANGOLA
ARCADE
SPRINGVILLE
GOWANDA
WERLE
CAN. N.Y.
TORONTO CLEVELAND
FREDONIA
DUNKIRK
DUNKIRK (W) 239
BECKER
ERIE 371 (116.1)
ERIE CO.
PORT ERIE
OHIO PA.
LAKEVILLE
RIPLEY
JAMESTOWN
FALCONER
SALAMANCA
OLEAN
ERIE CITY
N.Y. PA.
HARRI-EMERY
PORT LAWRENCE
BROKENSTRAW
WARREN
McKEAN CO.
MT JEWETT
TITUSVILLE
KINGSVILLE
NORTH SPRINGFIELD
STOUT
ASHTABULA
MERRY'S PYMATUNING
CONNEAUT LAKE
PORT MEADVILLE
PENN-MEAD
GREENVILLE
MERCER
SPLANE MEMORIAL
GREEN
ST. MARY'S
YOUNGSTOWN 212 (116.1)
TYNDALL
PORT WARREN
WARREN
HALL
YOUNGSTOWN 278
LAKE MILTON
AUSTINTOWN
SOUTHERN AWYS.
ELSER
WELSH
WATSON
BERNARD
BIRD
CALVIN
NEW CASTLE
PATTERSON HEIGHTS
EAST LIVERPOOL
SWANEY
CONWAY
PERRY
TO PITTSBURGH
FOR MILLBROOK VHF RANGE SEE CHART 144
BROOKVILLE (W) 391
PARKER CRAMER
BROOKVILLE
BROCKWAY
FOR PHILIPSBURG VHF RANGE SEE CHART 144
PHILIPSBURG 224 (116.1)
DUBOIS
KYLERTOWN
GROVE CITY
PUNXSUTAWNEY
ALBERT
CLEARFIELD
OSCEOLA MILLS
BLACK MOSHANNON
UTAHVILLE
BRAEBREEZE
BUTLER-ALAMEDA
PITTSBURGH-BUTLER
CLEVELAND PITTSBURGH
CLEVELAND NEW YORK
PITTSBURGH 254
TO NO. ALTOONA
PITTSBURGH 65
TO ROCHESTER
TO MT MORRIS
ELMIRA
SYRACUSE 53
CLEVELAND 49
TO CHATHAM
TO PERRY
TO PARKMAN
TO AKRON
RED 1
RED 22
RED 23
BLUE 7
BLUE 11
BLUE 15
BLUE 21
BLUE 2
AMBER 6
GREEN 2
GREEN 3
133
198
256
313
230
39
67
104
91
218
324
270
86
185
281
110
163
349
5
50
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF BLOCK ARE IDENTIFY "B" BOUNDARIES.

NEW YORK

LOCATION	FREQ., IDENT.	BEAR. & DIST.	STA. CLASS	FREQS. GUARDED, HRS. OF OPER., REMARKS
DANSVILLE MH Fac.	212 (DA)		MHW	
ELMIRA Range (Chemung Co.)	385 (EA)(116.1)	75°,1.8	SBRAZ-DTV	(4); 116.1
ROCHESTER Range	206 (RC)(116.1)	298°,2.2	BMRLZ-DTV	(4); 116.1
Rochester Tower	278		CI	3105, 4495 (8-24)
ROME AAF Tower	396 (126.18)+		CA	(4); 126.18 (8-22)
SYRACUSE Range (Mun.)	350 (SR)(116.1)	178°,2.2	SBRAZ-DTV	(3); 116.1
Syracuse Mun. Tower	278		C	(4)
TRI-CITIES Tower	278		CI	3105,6210 (days)
UTICA Range	359 (UA)(116.1)	151°,3.0	BMRLZ-DTV	(4); 116.1
PENNSYLVANIA				
ALLENTOWN Range (Allentown-Bethlehem)	320 (XA)(116.1)	192°,2.7	SBMRAZ-DTV	(4);116.1.122.1
LAKE CAREY FM	(- - - -)	360°,20.8	FM	Wilkes-Barre
SLATINGTON FM	(- - - -)	290°,12	FM	Allentown
SUNBURY MH Fac.	353(SV)(116.1)		MHTV/	(4);116.1
SUNBURY Range	108.3 (SV)		VARW	
WILKES-BARRE Range (Wilkes-Barre-Scranton)	272 (WI)(116.1)	91°,4.0	SBMRAZ-DTV	(4); 116.1
WILLIAMSPORT Range	375(IA)(116.1)	281°,7.0	BMRLZ-DTV	(4); 116.1
NEW RADIO FACILITIES				
WATERTOWN(N.Y.)	109.1(WB)		VARW	
ALLENTOWN Range (Pa.)	109.1(XA)	178°,5.7	VARW	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Martins Creek (Belvidere)	3 SSW;riv SE	340	25 S6	80,91 oct.Pole line N.
NEW YORK				
Angelica	1.5 WSW;RR N		18 S1	80 oct. Data unver.
Auburn	3.7 NNW;lake E	525	24 S4	80 oct.Poles,trees sur fld.
Bath-H'sport	2 SSW;hwy SE	725	18 S1	80 oct.Hill 0.6 E.Data unver.
Binghamton	7.2 NNE;RR NW	940	18 S2	80 oct. Trees N.
Bonnie Brae (Owasco) (NC)	1.7 SW;RR W	960	17	Cattle on fld.
Boonville	4.5 ESE;riv NE	1273	29 S1	80 oct. Obsts sur fld.
Brizee (Pittsford)	2 E; RR N	422	25 S4	80 oct. Pole line S, NW
Canastota	1.3 WSW;RR N	540	22 L1 S1	80 oct.
Carthage	1 E; RR NW	740	20 S1	80 oct. Hi-line W.
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1	80 oct. Pole line E.
(P) CHEMUNG CO. (Elmira)	6.5 NW;RR S	951	40h R1 L5 S4	80,91,100 oct.
Cicero	0.5 NW;lake SW	416	21 S4	80 oct.
Colgate University (Hamilton)	5.4 N; RR W	1178	25 S6	80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct. Pole line W.
Community (Whitesville)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S.
Cortland	1.8 WSW	1144	30 S6	80 oct. Wooded ridge E.
Costa's (Painted Post)	2.7 NW	960	16 S1	80 oct. Trees W, NW.
Crowner (Wellsville)	1 W; RR E	1506	22 S2	80 oct. Obsts sur fld.
(P) Dansville	1 NW; RR NE	662	40h L3 S6	80 oct. Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1	80 oct. Trees S,W.
Elmira	2 SSW;RR E	890	16	Trees adj NE,S
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14	Trees WSW
Fulton	2.6 NNE;rd W	469	40h L2 S4	80 oct.No sto.Lgts prior req.
Fulton Airpark	0.5 W;riv E	360	20 S6	80 oct.Brush WNW.Rnwy data unver.
Hancock (NC)	1.5 SSE;RR E	905	17	Hills SSE,NNW
Hilton	2.6 WSW;RR N	325	16 S1	80 oct. 3' fence E,S,SE
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4	80 oct. Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S;RRs N,S,W	525	27 S6	80 oct. Trees E
Ithaca	1.3 NW;inlet E	386	25h L1 S6	80,91 oct.
Keyes-Oneonta (Oneonta)	1.5 W	1000	27 S4	80 oct. Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1	80 oct. Pole line E.
Ladd's (Mexico)	0.6 W;RR N	383	20 S1	Ltd 73 oct.Pole line NE.
Martin (Montour Falls)	1 NE;RR W,E	460	13 S4	80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1	80 oct. Pole line S.
Meacham-Genesee (Rochester)	6 S; RR N	564	22 L S6	80 oct. Floodlgts in emerg.

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Mercury (Hammondsport)	1 WSW;RR N	750	15 S2	80 oct. Hill W.CLOSED
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E.
Moravia Air Haven	1 NW; RR E	730	20 S1	80 oct. S approach blocked.
Narrowsburg	0.6 NNE;RR E	700	18 S4	80 oct. Mtns N, NE.
Newark Int. 27A, CV-AZ	1.3 NNW;rd N,E			ABANDONED
Painted Post	4.4 SW;RR W	950	19 S2	80 oct. Trees E, W.
Parker (Palmyra)	2.8 S; RR N			ABANDONED.
Penn Yan	1.1 S; lake W	850	20 S2	80 oct.
Pulaski	See Ross Arpk. under "New Airports"- name changed.			
Red Creek	0.8 SSE;RR N	355	18 S1	80 oct.
Richland	0.6 NE;RR SW	560	21 S4	80 oct.Hi-line S.No Sto.When wet
Ridgeway (Rochester)	3.7 W;canal ESE	530	18 S1	80 oct.Pole lines W,NW,SE Ctr.
(N) ROCHESTER	3.7SW;riv S	549	44h R2 L5 S6	80,91 oct.ARPT OF ENTRY. NATS(Hospital flights)
(A) Rome AAF (A)	2.5 NE	473	63h R1 L5 S6	62,73,91,100 oct. JP-1.
Rushville	2.5 NNE	1120	20 S1	Data unver.
Scottsville	1 N; RR W	600	10	Allway area: 1000 x 1000'.
Seneca Falls	2.2 SE	490	28 S2	80 oct.
Sidney	1 WSW;RR SE	1012	24 S4	80 oct. Pole line S.
Smithport Inc. (Utica)	3.5 SSE	1150	20h S1	80, 91 oct. Data unver.
(P) Syracuse	3.5 NNE;hwy W	419	55h	
SYRACUSE MUNICIPAL	5.9 WNW;RR N	396	50h R2 L5 S6	80,91 oct. Rdo rec rqrd.
(P) Tri-Cities (Endicott)	3.5 WSW;riv S	840	35h R1 L3 S6	80,91 oct.Wooded ridge W,ESE
Utica	7.8 NW;hwy S	525	31 R1 L1 S6	80 oct.Twr W;hill N;trees E
Warren Eaton (Norwich)	2.5 N;riv,RR E	1015	20 S1	80 oct. Wooded ridge E.
(P) Watertown	5.9 WNW;hwy N	325	50h L5 S4	80,91 oct. ARPT OF ENTRY

PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	392	40h R1 L5 S6	80,91 oct.Use rnwys only. Fld lgts on req.req.
Barrett (Canadensis)	1.8 N;hwy SW	1450	18 S2	No fuel. Trees E.
Bellefonte	4.3 ESE;hwy N	1045	21 L3 S6	80, 91 oct.
Bloomsburg	0.8 ESE;riv S	478	32 L5 S6	80,91 oct.Pole lines SW,E.
(P) Chemung Valley (Athens)	1.8 NNW;riv E	850	24 L S4	80 oct.Lgts prior req.
Cherry Springs (Galeton)	10 SW;hwy 1 S	2265	19 S2	80 oct. Trees W,SE,NW
Cub Haven (Lock Haven)	1.7 E;RR S	550	25h S6	80 oct. Pwr line E.
Daleville	0.6 N;hwy W	1775	19 S4	80 oct. Hill S.
Danville	2.2 SW;RR N	480	22 S3	80 oct. Hill SE.
Easton	3.5 NNW;RR W	380	22 S6	73-91 oct. Pole line N.
East Penn (Andreas)	1.5 NE;hwy S	860	18 S6	73 oct.
East Scranton (Scranton)	7.3 ESE;lake E			ABANDONED.
Gordon	1.8 W; RR E	960	18 S2	80 oct. Hill S.
Green Acres (Beaver Meadows)	2S	1260	20 S4	80, 91 oct. Pole line ENE.
Lehighton	0.9 WSW;hwy NW	502	18 S5	80 oct. Trees WSW.
Mid Valley (Olyphant) (NC)	3 N; rd NE	1580	20	
Milton	0.8 S;RR W	450	27 S6	80 oct. P-line W,SW.
Mt. Pocono, 21, BJ-LG	1.5 NW;hwy NE	1925	26h L3 S1	80 oct. Pole line NE
Nicholson-Mt View (Nicholson)	4.8 ENE;crk NW	1280	39 S1	80 oct.50' trees S.
Reifenberg (Hazleton)	5.8 NNW;rd E	1146	21 S4	80 oct
Scranton	7.2 WNW;hwy N	1150	24h L3 S6	73-91 oct.Fld lgts prior req.
Selinsgrove	1.1 N;hwy E	450	25 S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE;RRs W	1100	16 S2	80 oct.
Skyhaven (Tunkhannock)	0.3 S; RR N	639	20 S6	80,91 oct.P-line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	17 S6	80 oct. P-line NW
Stroudsburg-E Stroudsburg (Stroudsburg)	2.5 NNE;hwy S	426	22 S4	80 oct.
(P) Sunbury	2 NNE	443	35 S4	80 oct. No sto.
★ Tamaqua Int, 61B, CG-LG	2.2 WNW;hwy W	1260	30 L3	
Towanda	1.5 SSE;RR W	700	25h S2	80 oct. ENE,NE blkd.
Wilkes-Barre-Wyoming Val'y	3.5 NNE;riv S	546	35h R1 L3 S4	80, 91 oct. Lgts emerg
(P) Williamsport	5.1 E; riv S	526	43h R1 L5 S6	80,91 oct.Stack ESE,ENE only.
NEW AIRPORTS				
Nanticoke Valley Arpk (Maine,N.Y.)	4 NNE;hwy E	975	18 S2	80 oct.Data unver.
ScenicAire Park (Geneva,N.Y.)	2 S;lake E	550	27 S2	80,91 oct.Data unver.
Valley (Sayre, Pa.)	2.7 WNW	800	29 S6	80 oct.
Wilkes-Barre-Scranton	10 NE;		52h R1 L3	(Wilkes-Barre, Pa) Lgts prior req.
Jersey Shore (Pa)	1.5 E	530	28 S4	Data unver
Ross Arpk (Pulaski)	3 SE; riv N	500	25 L S6	80 oct. Port rnwy lgts. Trees
Skyview Aeres, (Muncy, Pa.)	1.4 NE;cty SW	500	26 S2	80,91 oct.P-line S,SE WSW
Grand Canyon (Wellsboro, Pa)	4 W	2000	35 S2	80 oct.Data unver.
Mufflin Co (Reedsville, Pa)	2.7 N;hwy W	830	37 S4	80 oct.
Berwick (Pa)	2.2 ENE	620	22 S4	80 oct.P-line E,NE.

B-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page III) NC-(not charted). ➔ NEW OR REVISED DATA.

SYRACUSE 53

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

PRESQUE ISLE 18

FOR WATERTOWN VHF RANGE SEE CHART 144

WATERTOWN

CARTHAGE

SCALE OF MILES
10 0 10 20 30

CAN.
N Y

RICHLAND
ROSS

LADD'S

BOONVILLE

UTICA
359 (116.1)

SYRACUSE
350 (116.1)

ROCHESTER
278

ROCHESTER
206 (116.1)

COMMERCIAL

HILTON

RIDGEWAY

FULTON

FULTON AIR PARK

RED CREEK

CICERO

SYRACUSE

BRIZEE

HYLAN

WEST HENRIETTA

GREEN 2

ROME AAF
396 (126.18)

KIRKVILLE

CANASTOTA

UTICA

SMITHPORT INC.

SCOTTSVILLE

MEACHAM-GENESEE

HONEOYE FALLS FLY SER.

AUBURN

SYRACUSE MUN.
278

SENECA FALLS

MASON

SCENICAIRE PARK

COLGATE UNIVERSITY

RUSHVILLE

MORAVIA

DANSVILLE (W)
212

PENN YAN

DANSVILLE

MT. MORRIS

BATH H'SPORT

CORTLAND

CAYUGA

ITHACA

WARREN EATON

ELMIRA
385 (116.1)

MERCURY

HORNELL

MARTIN

ANGELICA

KEYES-ONEONTA

SIDNEY

NANTICOKE VALLEY

BINGHAMTON

COSTA'S

CROWNER

PAINTED POST

CHEMUNG CO.

EAGLE

TRI-CITIES
278

COMMUNITY

ELMIRA-PINE CITY

VALLEY

CHEMUNG VALLEY

N. Y.
PA.

ELMIRA

BOSTON
NEW YORK

GRAND CANYON

CHERRY SPRINGS

TOWANDA

LAKE CAREY
21

NARROWSBURG

WILLIAMSPORT
375 (116.1)

SKY HAVEN

WILKES-BARRE
272 (116.1)

SCRANTON

LOCK HAVEN

JERSEY SHORE

WILLIAMSPORT

CUB HAVEN

SKYVIEW ACRES

KINGSTON

WILKES-BARRE

DALEVILLE

BARRETT

WILKES-BARRE-SCRANTON

MT POCONO

FOR SUNBURY VHF RANGE SEE CHART 144

SUNBURY
353 (116.1)
On request

MILTON

DANVILLE

SUNBURY

BERWICK

REIFENBERG

BLOOMSBURG

LEHIGHTON

ALLENTOWN
320 (116.1)

STROUDSBURG

LAKE SUSQUEHANNA

PHILIPSBURG

BELLEFONTE

TAMAQUA

GREEN ACRES

SHAMOKIN

EAST PENN

BELFAST

MARTINS CREEK

STATE COLLEGE

SELINSGROVE

EASTON

MIFFLIN CO

GORDON

SLATINGTON
12

FOR ALLENTOWN VHF RANGE SEE CHART 144

ALLENTOWN-BETHLEHEM

TO BUFFALO

TO ALBANY

TO STEWART

TO BRANCHVILLE

TO NEWARK

TO HARRISBURG

TO NO. ALTOONA

WASHINGTON 67

NEW YORK 71

ALBANY 55

BUFFALO 51

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

CONNECTICUT

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
Bethany	1.3 N;hwy E	680	21 L2 S6	80 oct. No bcn.Lgts
BRADLEY Tower	284 (126.18)		CI (ILS-W)	3105,4495; prior req. 126.18
(NG) Bradley (Windsor Locks)	2.8 WNW; RR,riv E	171	50h R3 L1 S6	Ltd 73,100 oct.No sto. No trans facs for NG.
BRAINARD Tower	278 (118.5)		AC	(4);126.18,122.5,118.5
(NG) [Brainard] (Hartford)	2.8 SE;RR W	18	48h R2 L5 S6	73,100 oct.No facs for NG.
→ BRIDGEPORT Tower	269 (118.7)		C	(4);118.7,122.5,126.18
(P) [Bridgeport]	3.5 ESE	9	48h R2 L5 S6	80, 91 oct.
Canaan	1 N;RR W	680	20 S4	80 oct.Poles WSW.
Danbury	2.5 SW;RR N	454	44h S6	80 oct.P-line S blkd. WSW,SSE.
Doane (Essex)	1.2 SW;RR E,N	30	21 S6	80,91 oct.Trees N,NW
→ Groton Trumbull	See Trumbull Airport in Alphabetical Order-name changed.			
→ Hammonasset (Madison)	2 E;hwy N	15	12 S1	80 oct.
HARTFORD Range	329(HT)(116.1)	323°,2.3	SBMRAZ-DTV	(3) ; 116.1 (Brainard)
→ Island (Shelton)	1.8 SE;on isl.	8	15 S1	80 oct.Trees SE.Soft.
Kinsley (Somers)	2.5 NNW;RR W	200	19	
Lufbery(Wallingford)	0.6 WSW;RR E	80	22 S6	80 oct.Trees S
MERIDEN FM	(- - -)	244°, 17.6	FM	Hartford
MERIDEN Tower	278		CI	3105,4495 (days)
→ Meriden	2.7 SW;RR	102	35 R1 L3 S6	80 oct.S blkd.P-lines SE.
Milford	1.5 SSW;RR NW	10	20 S1	80 oct.
Monroe	0.7 SSE;RR E	620	20 S4	80 oct. Rd W. Trees S
→ [New Haven]	3.5 SSE;hwy N	4	42h S6	80,91 oct
RENTSCHLER Tower	254 (126.18)		CI	(3);126.18
Rentschler(E.Hart'd)	1 S;riv W	45	58h R1 L5 S6	80,91,100 oct.
Salem	2.1 E;lk NNE	400	21 L S6	80,91 oct.Trees S.
Southington	3.5 NNE;RR W	200	21 S4	80 oct. Port lgts.
Stephenson (Bristol)	1.5 ESE;RR N	240	18 S6	80,91 oct.
Trumbull(Groton)	2.8 SE;RR W	10	50h S4	80 oct.
Waterbury	2.6 S;RR E,W	843	20 S6	80 oct. (Plymouth)
Waterford	1.7 N;RR SSE	60	20 S6	80 oct.Trees,hill S.
Watertown	2.2 S;lk N	660	19 L S4	80 oct.Port rnwy lgts on prior req.
West Haven	2.7 SW;hwy E	15	18 S4	80 oct.Trees NE, W blocked.
Windham	3.5 NNW;RR S	238	44h S1	80 oct.Trees NE,ENE.

MASSACHUSETTS

→ Adams	1.3 SSE	1400	18	
Agawam Land & Seaplane Base	0.5 S;riv E	50	16 S6	80 oct.P-line SE.
[Barnes] (Westfield)	3 NNE;RR W	268	50h R1 L5 S6	80,91 oct.
Bowles (Agawam)	2.4 WSW;trk E	190	40 S4	80 oct.P-line S,SSE,NW,
→ Brookfield's	1 W;RR SW	680	20 S6	80,91 oct. SW blkd. W.
East Brookfield	1 W;hwy N	640	15 S4	No fuel,no sto. Rough.
→ Fair View Farm (Williamstown)	4 SW;riv E	954	17 S1	80 oct.Trees NE,NNE,
Gardner	2 SW;hwy N	1020	18 S4	80 oct.
Great Barrington	2 WSW;riv N	726	27 S6	80,91 oct.Obst sur fld.
Hiller(Barre Plains)	2 SW;riv W	589	25 S1	80 oct.
La Fleur(Northampton)	1.2 ENE;riv SW,N	120	26 S4	80 oct. No sto.
Metropolitan(Palmer)	5 N;riv W	400	19 S6	80 oct. Hill N.
(P) Orange	1.5 SE;hwy SE	555	50h S2	80 oct. Poles NE.
Pilgrim(Northampton)	9 N	120	16 S3	No sto. Data unver.
→ Pittsfield,3B,AZ-BW	2.4 WSW;hwy NW	1160	27 L3 S4	80,91 oct.P-line NW.
Southbridge	1.7 N	700	27 S1	80 oct.Trees W,N
Springfield	2.3 NE;RR S	205	26 S6	80,91 oct.Bldgs W.
Stevens (N.Adams)	2.8 WSW;RR N	690	12	Emerg. only.
→ Turners Falls (Montague)	4.2 N;riv NW	350	32 L S6	80,91 oct. Obst sur fld, Floods prior req.
WESTFIELD Range (Barnes)	230(WJ) (116.1)	27°,1.7	BMRLZ-DTV	(4); 116.1
WESTOVER Army Rng	272 (DOJ)	239°,2.7	BMRAZ	(3)
WESTOVER Tower	396(126.18)+		CA(ILS)(GCA)	(3);126.18 (Appch cont.)
(A) Westover (Chicopee Falls) (A)	3.8 NNE;riv W	244	70h R3(L6) S6	73,91,100 oct. No sto.
West Springfield	2.2 WNW;riv E	50	18 S1	80 oct.

NEW HAMPSHIRE

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR. & DIST ELEV	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
→ Claremont	1.3 W;riv NE	520	28h S6	80,91 oct., req. (Keene)
→ Dillant-Hopkins	2 S;riv 0.8 W	481	40h L S6	80,91 oct.Flare pots prior
Brattleboro-Hinsdale (Hinsdale)	2.7 NW;RR W	360	18 S4	80 oct. Landing flares on prior req.
Keene Airpark	3 NW;RR W	500	21	CLOSED
→ Lebanon	3.3 WSW	579	40h L5 S4	80,91 oct.Lgts prior req
LEBANON MH Fac.	209 (LP)		MHW	
→ Parlin (Newport)	2 NNW;riv SW	780	20 S4	80oct.NNE,ESE,SSW blkd

NEW JERSEY

→ Sussex	1.2 WSW;RR S	420	25 S6	80 oct.200' knoll NNE.

NEW YORK

Accord (NC)	0.7 N;RR S	260	19	PRIV.Trees S,NE,SW.
Aero Lake & Seaplane Base (Kingston)	3.7 SSE;RR W	220	23 S4	80 oct. Trees S.
ALBANY Range	365(AZ) (116.1)	196°,3.1	SBRAZ-DTV	(3); 116.1
ALBANY Tower	278 (118.3)		AC	(4); 116.1,118.3,122.5
(P) [Albany]	6.9 NNW;riv N	282	35h R2 L5 S6	80,91,100 oct.ARPT OF
Amsterdam	6 N;rd NW	887	18 S6	80 oct,ltd 91 ENTRY, oct.Use strips only.
Arlington(Poughkeepsie)	1.5 E;RR E	280	18 S2	80 oct. P-line NE,trees SW.
AURIESVILLE FM	(- - - -)	302°, 27.2	FM	Albany.
(P) Ballston Spa	3 N;RR E	433	40h S4	80,91 oct.
Briggs (Carlisle)	0.6 SE;RR W	1320	12	
Catskill Valley (Catskill)	1.5 SW	100	26 S3	80 oct.Data unver.
Christie (New City)	1.5 N;RR E	150	16 S4	80 oct. P-line SW.
COLONIE LFM	(- - -)	206°,5.7	LFM	Albany
Cooperstown	1.4 NNW;RRSE	1660	16 L S4	80 oct.Pole S.Port lgts.
Cozine (Rhinebeck)	0.5 SE;RR W	200	20 S1	87 oct. Pole-line W.
Cliff Haven(Accord)	11 W;RR S	260	16 S1	80 oct.
→ Croton Arpk.	4.8 SE;riv SW	280	13	Hill SW. (Peekskill)
East Greenbush	0.8 NW;RR W	260	43 L S6	80 oct.Port rnwy lgts.P-
East Hampton	2.5 W;RR S	40	25 S4	80 oct.No sto. line N.
(A) Elizabeth (Fisher's Island) (A)	W end Island	7	29h L4	No bcn.
Farly's (New Baltimore)	3 S;RR W	10	20 S1	80 oct. Trees N.
★ Ft.Plain Int,40A,CV-AZ	3 NNW;RR NE	720	35 L3	
Freedom Plains	2 W;rds N,E	340	11 S1	80 oct.Pwr line S.(Bill-
Fulco(Johnstown)	1 SE;hwy S	840	22 S4	80 oct.No sto. ings)
GLENS FALLS MH fac	206(GB)(116.1)		MHTV	(4);116,ll Data unver.
Glens Falls	2.6 NW;rd S	474	36h S6	80 oct.
Glove City	1.5 NE;RR S	860	17 S1	80 oct. (Gloversville)
Halcott(Halcott City)	1 N		10 S1	80 oct. Data unver.
Hayduk (Herkimer)	0.6 SSW;RR N	400	12 S4	Ltd 80 oct.P-line E.
Huguenot(Port Jervis)	3.3 NE;RR SE	480	21 S6	80 oct.Trees SW.
Intercity (Schenect'y)	3.6 SSE;RR NE	340	20 S4	80 oct.
Kingston	1.5 NW;RR S	150	17 S4	80 oct.P-line NW.
(P) Kingston-Ulster	2.7 N;RR E	160	30 S4	80 oct.No sto.P-line E.
Lime Ridge(Beekman)	1.3 SE;RR S	420	16 L2 S6	80 oct.All lgts prior req.
Livingston Manor	0.5 SE;RR W		21h S4	80 oct.;91 oct.req.Data
Long Meadow (Rexford)	1.5 NE;RR N,S W	380	20 S1	80 oct.E,NNE unver. blkd.
Mahopac	1 NNW;lake E		20 S1	80,91 oct.
Margaretville-Fleischmanns(Marg'v)	0.2 S;riv W		21 S4	80,91 oct.No sto.P-line NE. Data unver.
Mattituck	0.8 ESE;bay S	30	25 S6	80,91 oct. Poles N.
→ MEDWAY FM				DECOMMISSIONED
Miller (Nyack)	1.8 WNW;riv E	70	17 S6	80 oct.No sto.P-line SW.
Millerton	1.5 N;RR W	1000	13 S1	80 oct.Trees N.
Montgomery	1 WSW;riv W	393	22 S6	80 oct.Trees N,brush E.
(A) Montgomery U.S. Mil.Acad.#1 (A)	2 SW	355	35h	CLOSED.
Monticello-Sullivan County	1.4 S;RR E	1500	30 L S4	80 oct.No sto.Port rnwy lgts.Rnwy data unver.
Newburgh-Walden (Walden)	2.2 SSW;riv W	404	32 S6	80,91 oct.Obsts sur fld.
NEW HACKENSACK Range	236(NX) (116.1)	5°,5.3	SBRAZ-DTV	(4) ; 116.1
(P) New Hackensack	0.5 W	166	35h R1	Obsts NE.
New Paltz	0.8 W;RR E	190	20 S1	80 oct. NNE
Piseco	0.5 N;hwy SW	1710	19 S2	Ltd 80 oct.Trees,brush
Plateau(Northville)	2.5 E;riv ESE	1040	24 S6	80,91 oct.Trees S. Rough.
PORTCHESTER FM	(. . -)	42°,16.5	FM	La Guardia
Randall's(Middlet'n)	1.8 ESE	520	20 S2	80,91 oct. RR NW.
Ravena	1.2 N;riv 2 E	180	14 S1	80 oct. Lgt acft only.
Rockland(New City)	1 SSE;RR E	240	14	Trees W;Hwy E. (NC)
Sacandaga Park (Northville)	1 SW;RR W	770	13 S1	80 oct.P-line WSW.
SARATOGA SPGS FM	(-)	28°,24	FM	Albany
(P) Schenectady Co.	3 N;RR SE	362	50h L5 S6	80,91,100 oct.
Schuylerville,Land & Seaplane Base	2.5 S;riv E	100	29 S1	80 oct.Trees N,S.
Selkirk	2.7 E;hwy E	160	22	P-line E,trees S.
Sky Haven(Delanson)	0.9 NW;RR SE	1100	17 S2	80 oct.ESE,W blocked.
Somers	0.6 SE;RR E,S	563	20 S4	80 oct. No sto.
Spring Valley	0.3 E		19 S2	Fuel, Data unver.
Stanton's Newburgh Cub Port (Newb'g)	5.3 NW;RR S	520	12 S2	80 oct. Trees S.
Starhaven(Middletown)	1.3 NW;RR SW, N	750	29	Trees SW, SE, NW.
Steenburgh Avia. Svc.(Gloversville)	1.5 ENE;RR N	900	8 S1	80 oct.
STEWART Army Rng	335(DMU)		MRLW	
STEWART Tower	396 (126.18)	125°,2.4	CA	(3); 126.18 (7-23)
(A) Stewart(Newburgh)	4 NW;hwy N	474	60h R1 L5 S6	100 oct. JP-1. (A)
Stone Arabia	3.6 ENE;hwy E	880	18	P-line NNW.(Ft.Plain)
Stormville	1 ENE;RR S	350	23 S4	80 oct.No sto.Trees NE
Suffolk Co.(Westhampton Beach)	2.6 N	69	50h	(LG-UL)
★ Ticonderoga Int,22	2.7 NNE;rd E	210	32 L3 S1	80 oct.Obst sur fld.
Troy	2 SSE; lake N	327	30 L4 S6	80,91 oct. ENE,W blkd.
Valley Air Park	1.5 NNW	635	20 S4	Data unver.(Middleb'g)
Vaughan(Johnstown)	1 E;hwy W	760	18	Use in emerg only.
(A) Wallkill,U.S. Mil.Acad.#2 (A)	3 NW;riv E	340	35h	CLOSED
Wappingers Falls	0.9 SE;rd S	152	21 S4	80 oct.P-line E,W,S.
[Warren Co.] (Glens Falls)	2.4 NNE;rd N	325	40h R1 L5 S1	80,91 oct.
Warwick-Wickham	4.5 NE;RR W	540	24 S4	80 oct.Ridge N.
WESTCHESTER CO. Tower	260		C	(4)
(P) Westchester Co. (White Plains)	4 NE;lake W	435	50h R1 L5 S6	80,91 oct.P-line SSW.
White(Bedford)(NC)	3.6 SE;hwy E	475	12	
Wingdale	1.5 NE;RR W	400	25 S4	80 oct.No sto.ROUGH.
Wurtsboro	2 NE;RR E,SE	560	31 S6	80 oct.Obsts sur fld.

PENNSYLVANIA

Matamoras	0.5 SSE;riv SE	450	18h L4 S6	80 oct.No bcn.Lgts prior req.

VERMONT

Bennington	2.5 WNW	830	13 S1	80 oct.470' hill WNW.
Equinox(Manchester)	1 SE;riv E,N	700	18 S4	80,91 oct.
Fair Haven	1.5 NNW	370	20 S4	80 oct.
Hartness(Springfield)	3.8 NNW;riv E	570	20 S6	80 oct.
Rutland	5.8 SSE;hwy W	784	40h L3 S4	80 oct.No sto.All lgts
Twin State (White River Junction)	1 SW; riv, RR E	540	19h L S6	80,91 oct. prior req. Port rnwy lgts on req.
Post Mills (Thetford)	4.7 NNW;lake NE	700	25 S2	80 oct.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WESTOVER (A) (L6)	109.9	333.8	239°	IM- (0.49)	MM- ····· (0.79)	OM- -- (3.38)
WESTOVER (A) (L6)	109.5	332.6	59°	IM- (0.02)	MM- ····· (0.72)	OM- -- (4.42)
BRADLEY	110.3	335	58°	IM-	MM- •—• (0.66)	OM-
					MMK-	OMK-

NEW FACILITIES

Island (Shelton,Conn.)	0.3 E;riv E,W		19 S4	80 oct.No sto.Data unver.
Duanesburg, (N.Y.)	0.3 S;hwy W,N	700	22	Sto.
Westchester (Armonk)	0.5 SSE	380	23 S6	80,91 oct. (N.Y.)
Prattsville (N.J.)	1 S	1200	16 S2	80 oct.Data unver.
→ Ansonia (Conn)	1.6 ENE	440	18 S2	80 oct.
→ Kline-Kill (Ghent,N.Y.)	2 NNW;crk E	380	18	Lgt acft only.N blkd.
QUABBIN (Army) H Fac	317 (D)	59°,8.5	FMHW	(Cont.) Westover
Silver Ranch (E.Jaffrey,N.H.)	1 E;lk 1 SE	1020	17 S1	80 oct.Trees SE,NW.
BRIDGEPORT Range	221(WQ)	231°,4	MRLW	(4) (Conn)
Simsbury (Conn)	2.6 NNE;RR W	170	17 S6	80 oct.Trees SE.
Jewett (Jonesville,N.Y.)	0.5 NE	340	22 S2	80 oct.
Middlebury (Vt)	2.5 SE;hwy W	440	17 S4	80 oct.
Duanesburg (N.Y.)	0.1 S	710	20 S2	80 oct.Bldgs E.Trees W
→ Gardiner (N.Y.)	0.5 S;riv W	320	30 S4	80 oct.Data unver.
→ Schoharie Co (Richmondv'l) (N.Y.)	1.3 NE;RR N	1000	16 S1	80 oct.Trees E.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105;4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice

♭ Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

→ NEW OR REVISED DATA. (NC)-Not charted. [Jones] Airline Stop

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)

FRI

ALBANY 55

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS

Ⓓ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.

PRESQUE ISLE 18
PISECO
SACANDAGA PARK
PLATEAU
STEENBURGH
GLOVE CITY
AMSTERDAM
VAUGHAN
LONG MEADOW
HAYDUK
FULCO
SCHENECTADY CO
FORT PLAIN
STONE ARABIA
LAURIESVILLE
SKY HAVEN
BRIGGS
COOPERSTOWN
SCHOHARIE CO
DUANESBURG
VALLEY AIRPK.
CORINTH
MOREAU
GLENS FALLS
HUDSON FALLS
WARREN CO
TICONDEROGA
BURLINGTON
On request
GLENS FALLS 206 (116.1)
BLUE 18
FAIR HAVEN
MIDDLEBURY
RUTLAND
BALLSTON SPA
SARATOGA SPRINGS
SCHUYLERVILLE
JEWETT
ALBANY 365 (116.1)
BENNINGTON
STEVENS
INTERCITY
COLONIE
TROY
ALBANY 278 MC. 118.3 MC
FAIR VIEW FARM
ADAMS
EAST GREENBUSH
SELKIRK
RAVENA
FARLYS
PITTSFIELD
KLINE KILL
PRATTSVILLE
HALCOTT
MARGARETVILLE — FLEISCHMANNS
CATSKILL VALLEY
GREAT BARRINGTON
BARNES
WESTFIELD 230 (116.1)
KINGSTON-ULSTER
COZINE
KINGSTON
LIVINGSTON MANOR
WALLKILL NO. 2
AERO LAKE
CLIFF HAVEN
ARLINGTON
NEW HACKENSACK
MILLERTON
CONN.
CANAAN
BRADLEY 284 KC. 126.18 MC.
NEWBURGH-WALDEN
GARDINER
NEW PALTZ
FREEDOM PLAINS
STEWART AAF (W) 335
WAPPINGERS FALLS
MONTICELLO
MONTGOMERY
WURTSBORO
STANTON'S
MONTGOMERY NO. 1
LIME RIDGE
WINGDALE
RED 13
WATERBURY
STORMVILLE
WATERTOWN
NEW HACKENSACK 236 (116.1)
BETHANY
BROOKFIELD
STARHAVEN
HUGUENOT
RANDALL'S
MATAMORAS
STEWART AAF 396 (126.18)
DANBURY
MAHOPAC
SOMERS
WARWICK-WICKHAM
SUSSEX
BRANCHVILLE
SPRING VALLEY
CROTON
WESTCHESTER
CHRISTIE
LA GUARDIA 209
MILFORD
WEST HAVEN
BRIDGEPORT (W) 221
BRIDGEPORT 269 KC. 118.7 MC.
ALLENTOWN 320
LA GUARDIA 209
MILLER
NEWARK 341
PORT CHESTER
16
WESTCHESTER CO. 260 KC.
NEW YORK 71
MITCHELL AAF 227
MATTITUCK
EAST HAMPTON
SUFFOLK CO
72° 48'
72° 20'
N.Y. 3 D.A.
TRUMBULL
ELIZABETH AAF
WATERFORD
HAMMONASSET
ISLAND
MONROE
ANSONIA
DOANE
MERIDEN 278
BRAINARD 278 KC. 118.5 MC.
MERIDEN 18
LUFBERY
LAFLEUR
PILGRIM
QUABBIN
QUABBIN (W) 317
HILLER
WESTOVER AAF 396 (126.18)
E. BROOKFIELD
METROPOLITAN
SOUTHBRIDGE
SPRINGFIELD
W. SPRINGFIELD
BOWLES
KINSLEY
AGAWAM
SIMSBURY
SOUTHINGTON
WEATOGUE
RENTSCHLER 254 (126.18)
HARTFORD 329 (116.1)
WINDHAM
SALEM
WOODSTOCK
BOSTON
TO MOOSUP
BRATTLEBORO-HINSDALE
KEENE
DILLANT-HOPKINS
SILVER RANCH
GARDNER
TURNERS FALLS
ORANGE
WESTOVER AAF 272
NEWPORT
HARTNESS
CLAREMONT
LEBANON
LEBANON (W) 209
TWIN STATE
POST MILLS
NORTHFIELD
MONTPELIER
BLUE 4
BLUE 40
TO CONCORD
VT. N.H.
N.Y. VT.
EQUINOX
VT. N.H. MASS
BOSTON 57
BOSTON 263
STATUTE MILES 10 20 30
TO UTICA
TO ELMIRA
SYRACUSE 53
TO WILKES-BARRE
TO LAKE CAREY

RADIO

MAINE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS OF OPER., REMARKS
➔BRUNSWICK NAS			DECOMMISSIONED
PORTLAND	206(PW)(116.1)	BMRLZ-DTV,149°, 2.2	(4); 116.1
➔YARMOUTH FM (Navy)			DECOMMISSIONED

MASSACHUSETTS

BEDFORD (Army)	522 (DBH)	MH	Operates cont.
Bedford AAF	212(26.18)137.88)	CA	(3);126.18,137,88
BOSTON (Logan)	263(BW)(116.1)	SBRAZ-DTV	(3) ; 116.1
BRANT ROCK FM (Navy)	(- -)	FM, 141°, 20.2	Squantum NAS
EASTON FM (NAVY)	(- - -)	FM, 218°, 17.7	Squantum NAS
EVERETT LFM	(- - - -)	LFM, 298°, 4.2	Boston
FRANKLIN FM	(. . . - - -)	FM, 238°, 28.7	Boston
LOGAN (Boston)	278 (118.7 126.18,118.1)	AC :238°.1.4	(4), 122.5,126.18, 118.1, 118.7
PEABODY FM	(-)	FM, 31°, 9	Boston
SOUTH BOSTON LFM	(- - -)	LFM, 238°,4.7	Boston
➔SOUTH WEYMOUTH (Navy)			DECOMMISSIONED
South Weymouth NAF	3295 (142.74)	CN	(3),142.74,(8-1630,Mon-Fri.)
➔SQUANTUM (Navy)	233(NZW)	BMRLZ	(3):142.74 flt opers.
Squantum NAS	323(142.74)	CN(GCA);321°,3.7	3105,4495;142.74(8-30 min before sunset)

NEW HAMPSHIRE

BOSCAWEN FM	(- - - -)	FM, 332°,14.2	Concord
CONCORD	251 (CN)(116.1)	BMRLZ-DTV .332°,1.9	(4),116.1
GRENIER(Man - chester) (Army)	338(DUR)	SBMRAZ	(3)
Grenier Field	278(126.18)	CA(ILS),352 °,0.4	(3):126.18

RHODE ISLAND

CHARLESTOWN NAAS	269(142.74)	CN	3105;142.74 (0700-1800)
GREENE(Providence)	278 (118.9)	AC	(4); 118.9,122.5
PROVIDENCE (Greene)	347(PR)(116.1)	BMRLZ-DTV; 47°, 3.2	(3);116.1
QUONSET POINT (Providence) (Navy)	356 (NCO)	BMRLZ;339°,2.2	3105;142.74
Quonset Point NAS (Providence)	227(142.74) (126.18)	CN(GCA)	(3);142.74,140.58, 126.18

NEW RADIO FACILITIES

DEDHAM,Mass.	FM (. . - - -)	FM;238°,14.4	Boston
MOOSUP, Conn.	FM (- - - -)	FM;286°, 18.6	Providence
PROVIDENCE,R.I.Rng.	108.7(PR)	VARW	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
GRENIER (A)	109.5 ·-·	332.6	352°	IM- (0.03)	MM- ·····(0.71)	OM- (5.00)
					MMK 201 ·-·	OMK- 219 ··-·
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

CONNECTICUT

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Foster(Stonington)	See Stonington under "New Airports"- name changed.			
➔ Plainfield	1.5 SSW;RR NW	160	20 L S6	73,87 oct.,Port rnwy lgts
* Putnam Int, I4,LG-BW	1.7 WSW;RR 1.4 E	460	22 L3	Emerg use.Trees NNE, SSW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted) * ➔ NEW OR REVISED DATA

MAINE

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
↘ Biddeford	2 SSW;RR NW	110	22	P-line SE.
(N) Brunswick NAS (N)	1.5SE;RR N	77	60h	CLOSED;
➔ Douglas (Brunswick)	3.5 W;RR SE	170	16 S2	80 oct.
Hilltop (West Buxton)	0.8 WSW;RR S	300	22 S4	80 oct. Poleline ESE.
Kennebunk	1.6 SW	50	16 S1	80 oct.
Merrymeeting(Bow-doinham)	1 SSE;riv E	60	18 S1	80 oct. Trees N,S.
PORTLAND	2 W,riv E	60	43h R1 L5 S6	80,91 oct.
Port of Maine (South Portland)	1.8 SSW,RR E	40	28 S6	80 oct.Rnwy data unverified.
➔ Riverside Airpark ↘ (Brunswick)	1 WNW;riv E	60	20 S1	80 oct. Trees SSW,NNE
(P) Sanford	See Goodall under "New Airports" -name changed.			
Scarboro	2 W,RR SSE	20	25 S2	80 oct.
Stover (Freeport)	3.5 NNW	180	11 S1	80 oct.

MASSACHUSETTS

➔ Ames (Brockton)	3 WSW;hwy W	120	20 S6	80 oct.SSE,WSW blkd.
Auburn	2 SW,RR W,E	700	15 S1	80 oct. Lgt acft only.
(A) Bedford AAF (A)	1 S	128	50h R2 L5 S6	73,100 oct; JP-1.
(CG) Beverly	3 NW,lake E	108	50h L5 S1	80,91 oct.
Bolton (Clinton)	2.3 NE,RR W	400	17 S6	80 oct. Trees around fld. RR S.
Boston-Metropolitan (Canton)	1 W,riv W	50	21 S6	80 oct.Trees NW.
➔ Brockton	2 S,hwy E	128	22 S6	80 oct.Poles E,W,N.
Cape Cod (West	2.1 SW, lk SW	100	25 S2	80 oct (W.Barnstable)
➔ Clark(Hanover)	2.6 WSW;riv S	74	24 S6	80 oct.NE,NNE blkd.
Country Club(Vare-ham) (NC)	1.3 E,riv S	25	17 S4	80 oct.P-line,trees N
Chatham	1.7 WNW,lk E	66	14 S4	80 oct.P-line NW.
Eastham	1.2 NW;hwy E	50	20 S4	80 oct.FEE.Rnwy data unver.Smudge pots prior req.
Edgartown	2 S,rds E,NW	20	30 S4	80 oct. P-line E.
Falmouth (NC)	2.5 NE	40	18 S4	80 oct Data unver
Fitchburg	2.5 SE,bet RRs	334	45h S6	80 oct Knolls,dike S.
(A) Fort Devens AAF(A) (Ayer)	See Ayer, Mass under "New Arpts" - name changed			
Franklin-Norfolk (Norfolk)	2.5 WNW RR SSE,NW	140	20 S6	80 oct.Pole line S
Grafton (No Grafton)	0.7 SSW,riv N	450	30 S6	80 oct. Wooded hill S
Groton	4.6 WNW,RR W	280	28 S6	80 oct
➔ Haverhill	2 NNE,lake S	125	16 S6	80 oct.Stack,trees SSW. P-line NW.
HYANNIS	1.2 N,RR E	56	39h L5 S6	80,91 oct.Lgts prior req
↘ King (Taunton)	4.5 ESE,RR N	45	26 S6	80 oct.P-line NNE.
(P) LAWRENCE	2.5 ENE;riv W	155	40h L5 S6	80,91 oct.Trees NE,SSE
Leicester	2 N	1140	15h S4	80 oct. Reservoir SE
(NG) LOGAN (Boston) ↙	1.5 E in harb	12	70h R2(L6) S6	80,91,100 oct. Rdo rqrd FEE Ltd 80,100 oct, minor rprs for NG.
Mansfield	2 SSE,RR NE	124	25 S2	80 oct Pole line NWNE
➔ Marlboro	2.4 E;hwy N	265	16 S4	80 oct.WNW blkd.
(N) MARTHA'S VINEYD. (Vineyard Haven)	4.3 S,rd S	68	38h L5 S4	80,91 oct.Lgts prior req Obsts SE side TMP INACT.
Mendon	0.3 S,lake W	450	18 S4	80 oct. No sto P-line N,NW NO NAVY FACS
Myricks (Berkley)	3 E;RR SW	65	20 S6	80 oct. SSW blkd.
NANTUCKET	2.6 SE,rd N	47	40h L S6	80,91 oct.Port lgts.
(P) New Bedford	2.5 NNW,RR W	78	50h L5 S2	No fuel.
North Shore(Essex)	See Cape Ann Airways, under "New Airports"-name change			
Norwood	1.8 E,riv E	55	40h L5 S1	80,91 oct.
Oak Bluffs	0.8 SW,rd W	20	20	Avail emerg only.
(N) Otis OLF(Falmouth)	9 NNE	126	70h	INACTIVE (N)
➔ Plum Island (New-buryport)	2.3 SE,riv N	15	24 L1 S6	80 oct. Pole line E.
Plymouth	SSE	149	25	Data unverified.
Providence (Seekonk)	2.1 ESE,rd NE	25	17 S4	80 oct. Pole line NNE
➔ Revere	1 N	20	21h L S6	80,91 oct. Fee for port lgts.Data unverified.

MASSACHUSETTS

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Richardson (Dracut)	2 NNW Lowell	115	21 S4	80oct.P-lineENE; No sto.
Shawsheen Pines (Billerica)	2.7 E,RR NE	110	24h S6	80, 91 oct.Ltd sto.Rnwy data unver.Trees NE,E,SE
Sherman Memorial (Mansfield)	See Clifford Sherman Memor'l under "New Arpts"- name changed.			
(N) South Weymouth NAF	1.5 SSE,RR W	152	45 R1 L5 S4	100 oct. B-2 lgts.
Spencer (N)	3.5 NNE	1040	17 S6	80 oct.
(N) Squantum NAS (N)	0.8 W,bay N	10	41h R2 S4	91,100 oct. No sto. No ngt flying.
Westboro	1.9 WNW,hwy N	310	13 S6	80 oct.
➔ Wilkins (No.Attle-boro)	2 NE,lake NW	200	18 S6	80,91 oct. P-line NW. Trees sur fld.
➔ WORCESTER	3.5 W;hwy N	1009	55h	Emerg only.

NEW HAMPSHIRE

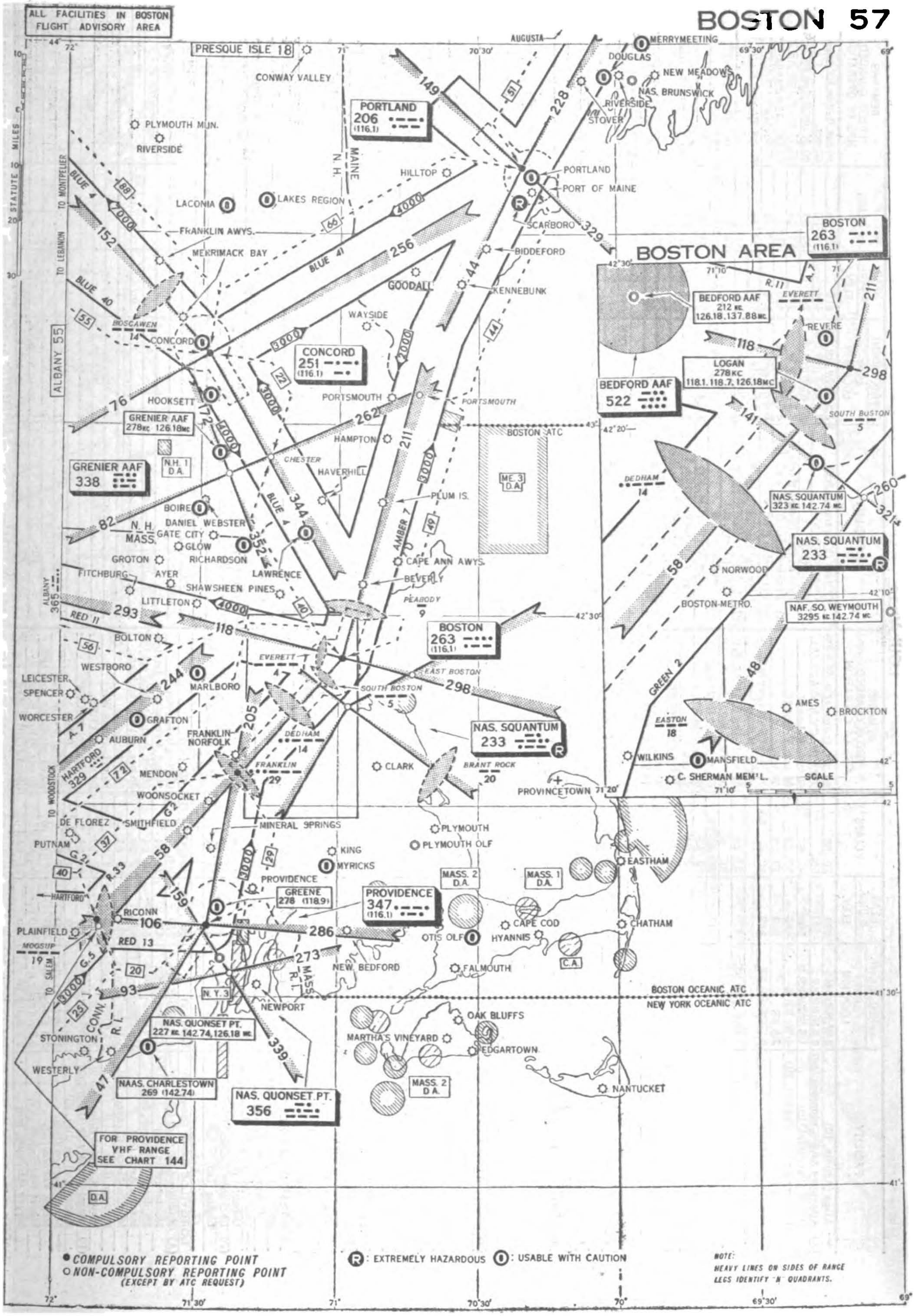
➔ Boire (Nashua)	2.8 WNW;RR NE	185	20h L3 S4	80,91 oct.Lgts prior req P-line S
➔ CONCORD	1.5 E	346	40h R1 L5 S6	80,91 oct
Daniel Webster(Nash-ua)	3.8 NNW;riv E	195	25 S6	80,91 oct.ENE,NNW blkd.
➔ Gate City (Nashua)	4 SSE;riv E	120	23 S6	80 oct.
(A) Grenier (Manchester)	4 S,RR E	230	70h R3 L5 S6	73,91,100 oct. (A)
Hampton	1.6 N,RR W	80	20 S5	80 oct. No sto.Trees N,S.
Hooksett Land & ➔ Seaplane	2 S;riv E	187	32 S6	80 oct.
Laconia	3.8 NNE;lk 1. NNE	536	36h L5 S6	80,91 oct.Lgts prior req.
Lakes Region (Wolfe-boro)	2.6 W,RR E	580	14	CLOSED
Merrimack Bay(Con-➔ cord)	5 NNW,RR W	260	15	PRIVATE. P-line S.
➔ Plymouth Mun.Arpk	3.5 WNW;riv S	506	18 S2	80 oct.P-line N.
(P) Portsmouth	3 W,bay W	94	50h L5 S6	80,91 oct.
➔ Wayside(Sommers-worth)	2.4 W;hwy E	212	15 S2	80,91 oct.No sto.ESE blkd.

[redacted]

(N) Charlestown NAAS(N)	1.9 SW,hwy N	32	58h R1 (L5) S1	91,100 oct. No bcn.
➔ GREENE(Providence)	7 S,RR W	53	41h R2 L5 S6	80,91,100 oct.
Newport Arpk	3.5 NNE	150	24 S6	80,91 oct. P-line NNE.
Mineral Springs (Providence)	4.6 NW,hwy E	240	11 S4	73 oct.No sto.Trees surround field
(N) Quonset Point NAS (Providence) (N)	16.5 S	14	60h R2 L5 S6	91,100 oct. NATS
Riconn (Greene)	1.8 WNW,RR S	390	20 S6	80 oct. Rnwy data unver.
Smithfield	1 NE,RR W	400	17 S6	80 oct. Flares on req.
Westerly	2.4 SSE	81	40h	Riv. E.
Woonsocket	2.5 E;riv WSW	400	20 S2	80 oct.

NEW AIRPORTS

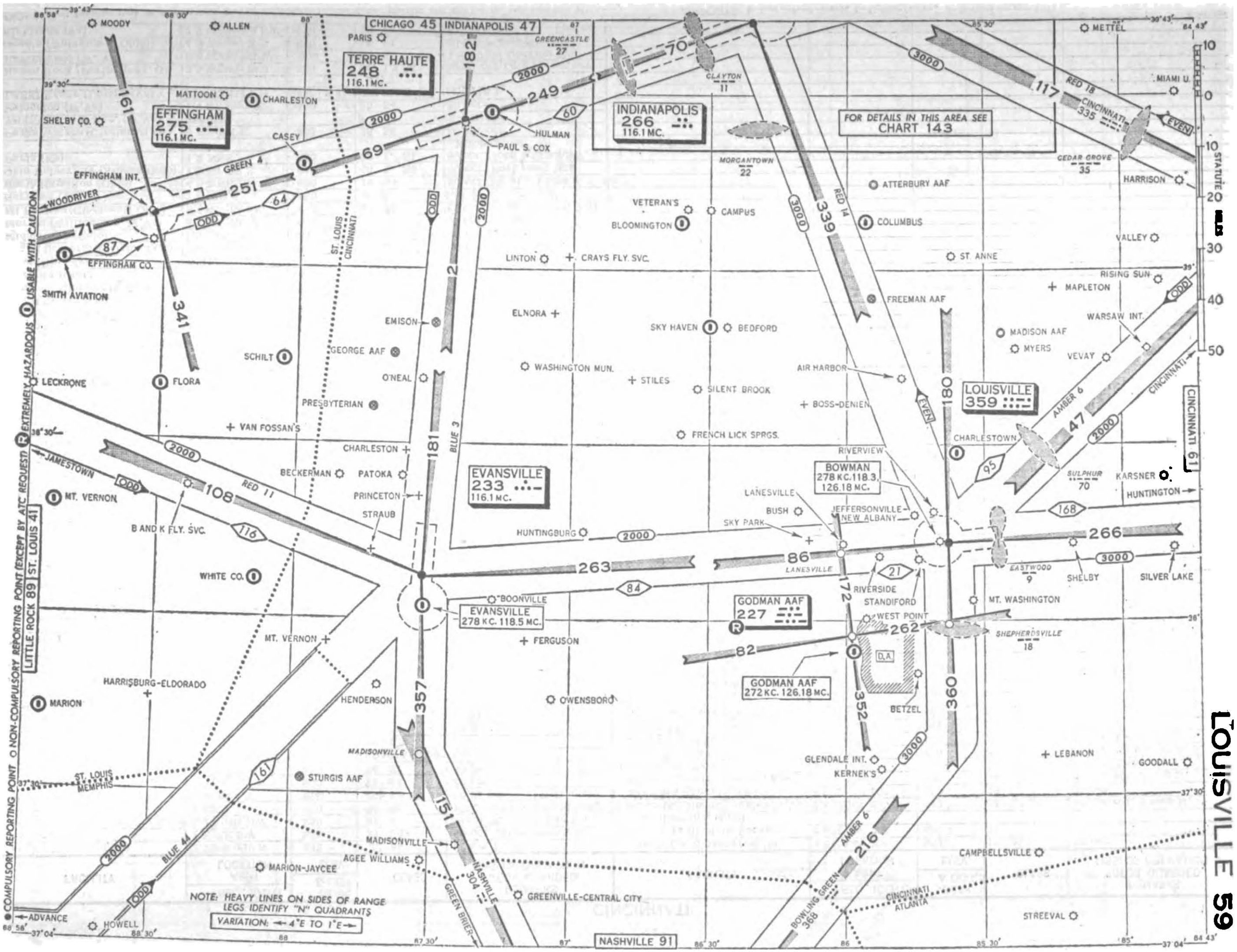
(N) Plymouth, Mass. DLF (N) ↘	4.5 SW	140	28	
(A) Ayer, (Mass.)	1.5 NW;riv W	268	52h S4	
Conway Valley (Conway,N.H.)	0.6 WNW; RR NNE.	460	26 S5	80,91 oct. Poles SW.
➔ Clifford Sherman Memor'l (Mansfield,Mass)	3 SSW;RR W	130	17 S1	73 oct.Trees sur fld. P-line NE.
Cape Ann Airways (Essex, Mass)	0.9 NNW,Riv E,SE.	20	14 S1	80 oct.
Provincetown Land Fld (Mass)	2 WNW	5	17 S4	Fuel.No sto.Data unver. Lgt planes.
De Florez (Woodstock,Conn)	2.4 SSE;hwy W	450	19 S4	80 oct.Trees N.
New Meadows (West Bath,Me)	2.3 WNW;lk W	40	12	PRIVATE.
Stonington (Conn)	1 NE;RR S	5	18 S6	80 oct.Lgt acft only. Rdo rprs.
Franklin Arways Inc	1.5 SSW;riv E	370	20	
Riverside (Ashland,N.H	4 NNW;riv W	470	20 S1	
(P) Goodall (Sanford,Me)	4 SE;hwy N	243	60h L5 S6	91 oct.Lgts prior req.


ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
PRESQUE ISLE 18
CONWAY VALLEY
AUGUSTA
MERRYMEETING
DOUGLAS
NEW MEADOW
NAS. BRUNSWICK
RIVERSIDE
STOVER
PORTLAND
206 (116.1)
PLYMOUTH MUN.
RIVERSIDE
HILLTOP
PORTLAND
PORT OF MAINE
LACONIA
LAKES REGION
FRANKLIN AWYS.
MERRIMACK BAY
SCARBORO
BIDDEFORD
KENNEBUNK
GOODALL
WAYSIDE
BOSCAWEN
CONCORD
CONCORD 251 (116.1)
HOOKSETT
PORTSMOUTH
GRENIER AAF 278KC 126.18MC
GRENIER AAF 338
N.H. 1 D.A.
HAMPTON
CHESTER
HAVERHILL
PLUM IS.
BOIRE
DANIEL WEBSTER
N.H. MASS.
GATE CITY
GLOW
GROTON
RICHARDSON
FITCHBURG
AYER
LAWRENCE
CAPE ANN AWYS.
BEVERLY
SHAWSHEEN PINES
PEABODY
LITTLETON
BOSTON 263 (116.1)
BOLTON
EVERETT
WESTBORO
EAST BOSTON
SOUTH BOSTON
LEICESTER
SPENCER
MARLBORO
WORCESTER
GRAFTON
AUBURN
FRANKLIN NORFOLK
DEDHAM
NAS. SQUANTUM 233
HARTFORD 329
MENDON
FRANKLIN
CLARK
BRANT ROCK
WOONSOCKET
PROVINCETOWN
DE FLOREZ
SMITHFIELD
MINERAL SPRINGS
PLYMOUTH
PLYMOUTH OLF
PUTNAM
KING
MYRICKS
EASTHAM
PROVIDENCE
GREENE 278 (118.9)
PROVIDENCE 347 (116.1)
MASS. 2 D.A.
MASS. 1 D.A.
RICONN
PLAINFIELD
CAPE COD
CHATHAM
OTIS OLF
HYANNIS
NEW BEDFORD
FALMOUTH
C.A.
NEWPORT
BOSTON OCEANIC ATC
NEW YORK OCEANIC ATC
OAK BLUFFS
MARTHA'S VINEYARD
EDGARTOWN
NAS. QUONSET PT. 227 KC 142.74, 126.18 MC
NAAS. CHARLESTOWN 269 (142.74)
NAS. QUONSET PT. 356
MASS. 2 D.A.
NANTUCKET
FOR PROVIDENCE VHF RANGE SEE CHART 144
D.A.
BOSTON AREA
BEDFORD AAF 212 KC 126.18, 137.88 MC
BEDFORD AAF 522
LOGAN 278KC 118.1, 118.7, 126.18MC
BOSTON ATC
ME. 3 D.A.
NAS. SQUANTUM 323 KC 142.74 MC
NAS. SQUANTUM 233
NORWOOD
BOSTON-METRO.
NAF. SO. WEYMOUTH 3295 KC 142.74 MC
EVERETT
REVERE
SOUTH BOSTON
DEDHAM
AMES
BROCKTON
EASTON 18
WILKINS
MANSFIELD
C. SHERMAN MEM'L.
SCALE
STATUTE MILES
TO MONTPELIER
TO LEBANON
ALBANY 55
TO WOODSTOCK
TO SALEM
ALBANY 365
MOOSUP 19
HARTFORD
BLUE 4
BLUE 40
BLUE 41
RED 11
RED 13
AMBER 7
GREEN 2
N.H. MAINE
MASS. R.I.
CONN. R.I.
N.Y. 3
R.33
G.2
G.5
A.7
149
51
228
329
152
256
44
88
7000
4000
66
3000
2000
55
14
22
76
172
262
211
82
352
344
49
70
40
293
118
56
244
205
72
37
58
159
106
286
273
93
25
47
339
69
298
141
260
321
48
211
42°30'
42°20'
42°10'
42°
41°30'
41°
72°
71°30'
71°
70°30'
70°
69°30'
69°
71°10'
71°20'
70°30'
69°30'
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
➙ Allen (Arcola, Ill)	2 W;RR,8 N	665	20 S6	80 oct. P-line N,E. W blkd.
(A) Atterbury AAF (Columbus,Ind)	3.5 N;RR SE	651	50h	TMP INACT NO FACS (A)
B & K (Fairchild, Ill)	1.4 WSW;RR S	500	26 S5	80 oct. P-line N
Beckerman (Mt. Carmel, Ill)	4 W; RR S	424	23 S2	80 oct. P-line N.
(P) Bedford (Ind)	3.5 SE	682	19 S6	80 oct.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct. Port rnwy lgts. Trees N,Soft when wet
➙ Boss-Denien (Salem, Ind)	3 WNW;RR NE	730	24 S6	80 oct. P-line S. Trees W.
BOWMAN Tower (Louisville,Ky) [Bowman] (Ky)	278(126.18,118.3) 5.5 ESE	546	AC 44h L5 S6	(4); 122.5,126.18,118.3 80,91 oct. No flood lgts.
Bush (Jeffersonville, Ind)	3 NE		20 S2	80 oct. Data unver.
Bush (Ramsey, Ind)	1.5 WSW;hwy N	680	12 S4	73 oct.
Campbellville (Ky)	2 ENE;RR NW	500	18 S4	80 oct. Hills NE,SE.
Campus (Bloomington, Ind)	1.5 ENE;RR S	883	22 S4	80 oct.
Casey (Ill)	1 NW	645	26 S4	80,91 oct. Data unver.
Charleston (Ill)	1.3 SW;RR NW	690	26 S6	80,91 oct. Flares on req. P-line N,E,W.
(P) Columbus (Ind)	5 SSW;hwy E	617	45h L5 S4.	80,91 oct. No bcn,no flood. Lgts on req
EFFINGHAM Range (Int.)(Ill)	275(EF)(116.1)	341°,0.0	BMRLZ-DTV	(4); 116.1
Effingham Co. Mem'l (Ill)	3.6 S;hwy W	585	30 S6	80 oct.
* Effingham Int,10,LS-ID (Ill)	2.5 N;RR E	608	26 L3	P-line E,SE. On req.
(A) Emison (Oaktown, Ind)(A)	3.6 WSW	425	45h	CLOSED.
EVANSVILLE Range (Ind)	233(EV)(116.1)	177°,5.7	SBRAZ-DTV	(3); 116.1
EVANSVILLE Tower (Ind)	278 (118.5)		C	(4); 118.5, 122.5
➙ [Evansville] (Ind)	4.5 NNE;bet RRs	383	60h L5 S6	80,91,100 oct. Twr W. Fld lgts on req. No floods
Ferguson (Richmond, Ind)	0.5 SE		13	Data unver.
Flora (Ill)	0.8 SW;RR N	490	35 S6	80 oct. P-line N,W.
(A) Freeman (Seymour, Ind) (A)	2 SW;hwy N	575	55h	CLOSED.
French Lick Springs (Ind)	1 SE;RR W	500	27h	
(A) George (Lawrenceville,Ill)(A)	4.5 NE;RR S	428	52h	CLOSED.
* Glendale Int,75B,DL-LV (Ky)	0.5 NE;RR W	702	25 L3	
GODMAN Army Range(Ft.Knox)	227 (DKX)	172°,3.1	BMRLZ	(Ky)
GODMAN Tower (Ky)	272 (126.18)		CA	(3); 126.18 (6-24)
(A) Godman (Ft. Knox, Ky) (A)	1 NW;RR E	740	52h L5 S4	73,91,100 oct. No sto.
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct. WNW,SW blkd.
Greenville-Central City (Ky).	1 NE;RR W	415	22 S4	80 oct.
Harrisburg-El Dorado (Ky)	Adj E	400	27 S1	80 oct. Data unver.
➙ Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct. P-line S.
Henderson (Ky)	4.7 WSW;hwy E	350	23 S1	80 oct.
Howell (Paducah , Ky)	4 WNW;RR S	371	20 S6	80 oct. All appchs blkd.
(P) [Hulman] (Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct. Fld lgts prior req.
(P) Huntingburg,19,LS-LV (Ind)	3 S;RR E	500	31 L2 S4	80 oct.
INDIANAPOLIS Range (Ind)	266 (ID)(116.1)	82°, 3.2	SBRAZ-DTV	(3); 116.1
Jeffersonville-New Albany (Jeffersonville, Ind)	2 NW;riv S	470	29 S6	80 oct. Poles SW.
➙ Lawrenceburg (Ind)	See Valley under "New Facilities" - name changed.			
Lebanon (Ky)	3.5 NNW;hwy 1 SE	799	15 S4	80 oct. P-line E,SE
(P) Leckrone (Salem, Ill)	1.9 NW;lake NW	545	39 S6	80,91 oct. Flares on req. Derrick NW blkd.
Linton (Ind)	3.3 E;RR S	500	19 S4	Ltd 80 oct. N,NE
LOUISVILLE Range (Bowman)	359 (LV)	269°, 1.4	SBMRLZ-DTX	(3) (Ky)
(A) Madison AAF (Ind) (A)	6 NNW;RR SW	850	50h	Closed to all acft.
Madisonville (Ky)	6 ENE;hwy SE	420	24 S4	80 oct. Use strips. strips.
Mapleton (Seymour, Ind)	2.7 E;hwy SW	630	18 S4	80 oct. P-line N,NE, onl Use
Marion Arpk (Ill)	1.8 ESE;RR S	430	29 S6	80 oct. All appchs blkd.
Marion-Jaycee (Crayne, Ky)	1 N;hwy E	650	20 S1	80 oct.
Mattoon (Ill)	4 E; RR N	720	23 S6	80 oct. Poles W.
Mettel (Connersville, Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
(P) Miami University (Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct. Poles N,NW.
Moody (Dalton City, Ill)	2.2 S;hwy W	680	19 S6	80 oct. P-line N.
➙ Mount Vernon (Ind)	1 E;bet hwy,riv	390	26 S1	80,91 oct. P-line N,W.
Mount Vernon (Ill)	2.5 ENE;RR S	465	27 L S6	80,91 oct. Temp port lgts.
Mount Washington (Ky)	0.5 NE;hwy E	720	20 S6	80 oct. P-line E,NE.
Myers (Madison, Ind)	2.2 N;RR W	960	24 S6	80 oct. N,NE,E blkd.
O'Neal (Vincennes, Ind)	1.5 WNW;RR NE	415	33 S6	80 oct. P-line NE;trees N.
Owensboro (Ky)	2.5 ENE;RR NW	484	29 S6	80 oct.
Paris (Ill)	3.5 NNW;RR E	740	30 S1	80,91 oct. Poles SW,S,W.
Paul S. Cox (Terre Haute,Ind)	3.2 S;hwy W	485	27 S4	80,91 oct. P-line NE,SW.
(A) Presbyterian Church #3 (A)	4 WNW;hwy E	430	45h	CLOSED (St.Francisville,Ill)
➙ Princeton (Ind)	0.8 E;hwy N	502	18 S2	80 oct. Water tank SW, Wires NW.
Riverside (Louisville, Ky)	7.5 SW;riv W	446	24 S4	80 oct. Hi-line E.
(P) St. Anne #2 (North Vernon,Ind)	2.3 NNE;RR W	750	45h	
Schilt (Olney, Ill)	1.5 E;RR S		30 S1	80 oct. Data unver.
➙ Scottsburg (Ind)	See Air Harbor under "New Facilities" - name changed.			
Shelby (Shelbyville, Ky)	2.9 E;hwy S	850	19 S4	80 oct.
Shelby Co. (Shelbyville, Ill)	1.9 ESE;RR N	677	21 S6	80 oct.
Silent Brook (Orleans, Ind)	5 W;riv SW	650	21 S4	80 oct. Hi-line W,SW.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80,91 oct. Poles N.
(P) Sky Haven (Bedford, Ind)			36h S6	80,91 oct. P-line E,NE,S. 80'hill W end WSW rnwy.
Smith Aviation (St. Elmo, Ill)	1.3 SW;RR,hwy N	647	32 L1 S6	80 oct. Bcn twr NE;poles N
(NG) Standiford (Louisville, Ky)	4.3 SSE;hwy E	480	50h	
Stiles (Shoals, Ind)	1 N	740	22 S2	80 oct. Data unver.
Straub (Cynthiana, Ind)	0.5 NW		13	Data unver.
(A) Sturgis AAF (Ky) (A)	1.5 ESE;hwy SW	371	50h	CLOSED.
TERRE HAUTE Range (Ind) (Hulman)	248(TH)(116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Van Fossan's (Mt. Erie, Ill)	0.5 N;lake NE		27 S1	80 oct. P-line E,NW,SE.
Veteran's (Bloomington, Ind)	2.5 W; RR N	890	18 S6	80 oct. Poles W.
Vevay (Ind)	1.3 ENE;riv S	450	20 S4	80 oct. Tree NE corner. Data unver.
* Warsaw Int,5,LV-CV (Ky)	0.8 SW;riv NW	485	30 L3	
Washington (Ind)	3 W		21	Data unver.
Washington Mun. (Ind)	4 N		30 S4	80 oct. P-line SW,W
White Co. (Carmi, Ill)	1.1 NE;RR S	450	28 S1	80 oct. P-line S, SSE.
NEW FACILITIES				
Agee Wms Arpk (Madisonv'l,Ky)	1.5 SW;hwy N	450	18 S2	80 oct. Pwrline W,SW
Boonville (Ind)	0.5 NW	383	20 S1	80 oct. Pole SW, NW
Karsner (Monterey,Ky)	2 SE;hwy W	540	20 S2	80 oct. Poles SSE
Kernek's (Nolin, Ky)	2 ENE;hwy E	690	19 S1	80 oct. P-line NNE,NE,NE/SW.
Rising Sun (Ind)	0.5 N;riv E	580	22 S4	80 oct. P-line SW,W,NW/SW strip
Streeval (Knifley,Ky)	5.8 S;hwy E	835	20 S2	80 oct. P-line E,SE/rough
➙ West Point Arpk (Ky)	1.3 ENE;riv W,S	420	16 S6	80 oct.
➙ Crays Fly. Serv. (Bloomfield,Ind)	4 W		18	Data unver, Data unv
➙ Boonville (Ind.)	0.5 NW	382	26 S2	80 oct. Wires W,N. Ditch SW
Sky Park (Corydon,Ind.)	1.5 NW	650	32 S1	80 oct. Wires E. Data unver.
Riverview (Utica, Ind)	2.8 SW;riv S;hwy N	447	27 S6	80 oct.
➙ Lanesville (Ind)	2 SW hwy N	650	17 S4	80 oct. W blkd.
➙ Rising Sun (Ind.)	0.5 N	500	22 S1	80 oct. Wires W. Data unver.
➙ Air Harbor (Scottsburg,Ind.)	1.5 W;hwys N,E	570	25 S4	80 oct.
➙ Valley (Lawrenceburg,Ind.)	1 WSW;riv S	485	20 S4	80 oct. Hills NNE,WNW.
➙ Betzel (Lebanon,Ky)	1.6 NNW;RR E	445	20	Trees N,S
➙ Patoka (Ind)	1.5 W;lake N,E	500	22 S1	80 oct. P-line S,SE.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
➙ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


CHICAGO 45 INDIANAPOLIS 47
TERRE HAUTE 248 116.1 MC.
EFFINGHAM 275 116.1 MC.
INDIANAPOLIS 266 116.1 MC.
EVANSVILLE 233 116.1 MC.
EVANSVILLE 278 KC. 118.5 MC.
LOUISVILLE 359
BOWMAN 278 KC. 118.3, 126.18 MC.
GODMAN AAF 227
GODMAN AAF 272 KC. 126.18 MC.
FOR DETAILS IN THIS AREA SEE CHART 143
MOODY
ALLEN
PARIS
GREENCASTLE 27
METTEL
MIAMI U.
MATTOON
CHARLESTON
SHELBY CO.
CASEY
HULMAN
PAUL S. COX
CLAYTON 11
MORGANTOWN 22
CEDAR GROVE 35
HARRISON
CINCINNATI 335
EFFINGHAM INT.
WOODRIVER
GREEN 4
ATTERBURY AAF
VETERAN'S
CAMPUS
BLOOMINGTON
COLUMBUS
VALLEY
ST. ANNE
RISING SUN
MAPLETON
LINTON
CRAYS FLY. SVC.
EFFINGHAM CO.
SMITH AVIATION
FREEMAN AAF
WARSAW INT.
ELNORA
SKY HAVEN
BEDFORD
MADISON AAF
MYERS
VEVAY
EMISON
SCHILT
GEORGE AAF
O'NEAL
WASHINGTON MUN.
STILES
AIR HARBOR
LECKRONE
FLORA
SILENT BROOK
PRESBYTERIAN
BOSS-DENIEN
VAN FOSSAN'S
FRENCH LICK SPRGS.
CHARLESTOWN
RIVERVIEW
JAMESTOWN
MT. VERNON
BECKERMAN
PATOKA
PRINCETON
STRAUB
SULPHUR 70
KARSNER
HUNTINGTON
LANESVILLE
BUSH
JEFFERSONVILLE-NEW ALBANY
SKY PARK
HUNTINGBURG
B AND K FLY. SVC.
WHITE CO.
BOONVILLE
RIVERSIDE
STANDIFORD
MT. WASHINGTON
EASTWOOD 9
SHELBY
SILVER LAKE
WEST POINT
SHEPHERDSVILLE 18
FERGUSON
MT. VERNON
HARRISBURG-ELDORADO
MARION
HENDERSON
OWENSBORO
BETZEL
GLENDALE INT.
KERNEK'S
LEBANON
GOODALL
MADISONVILLE
STURGIS AAF
ST. LOUIS MEMPHIS
AGEE WILLIAMS
MARION-JAYCEE
CAMPBELLSVILLE
GREENVILLE-CENTRAL CITY
CINCINNATI ATLANTA
BOWLING GREEN
STREEVAL
ADVANCE
HOWELL
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 1°E
NASHVILLE 91
COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
LITTLE ROCK 89 ST. LOUIS 41
○ USABLE WITH CAUTION
STATUTE
LOUISVILLE 59

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abken (Raceland,Ky)	1.2 NW;riv N	555	22 S4	80 oct P-line W.
Ashland (Ky)	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Attaway Air Ranch(Mason,Ohio)	4.2 S;RR NW	850	23 S4	80 oct.No sto.P-line E.
Bethel (Ohio)	1 ESE	890	30 S6	1500' hard-surfaced rnwy.
Blue Grass (Lexington, Ky)	6 W;hwy N	978	40h L5 S6	80,91 oct. Data unver.
Bollinger (Charleston,W.Va)	4.5 SW;riv N	900	21 S4	80 oct.
Campbell (Cincinnati, Ohio)	6.2 NNW;RR E	820	24 S2	80 oct.P-line WSW.
CHARLESTON Range (W.Va)	400(KN)(116.1)		SBMRAZ-DTV	(4); 116.1
Cherry Fork Int,4,CC-WA(Ohio)	0.5 NNW	939	39 L3	
Cheviot (Cincinnati, Ohio)	9 W;RR 1 E	914	18 S6	80 oct.
Chillicothe Skypark (Ohio)	1.8 N;riv W	640	30 S4	80,91 oct
CINCINNATI Range (Lunken) (Ohio)	335(CC)(vhf)	227°,5.2	SBRAZ-DTV	(3);116.1,122.1.DTV lctd at Greater Cincinnati Arpt.
Cincinnati Inc.(Sharonville)	2 SE	860	29 S6	80 oct. (Ohio) NE blkd,P-line N.
Clark (Winfield, W.Va)	5 N St. Albans	600	27 S6	73 oct.No sto.Riv E.
CLINTON AAF Range (Ohio)	114.3 (DWO)		VARW	(8-1630 Mon-Fri)
CLINTON CO Army H Fac.(Ohio)	201		MHW	0.2 mi end Rnwy 22(8-1630, Mon.-Fri.or on 30 min.not.
CLINTON CO.Tower (Ohio)	272 (126.18, 140.58,116.1)		CA (ILS-W) (GCA)	(3);126.18,137.7,116.1. Trans.on 137.88 on req.
(A) Clinton Co.AAF (Wilmington)	2 SE;hwy NE	1062	60h L5 S1	73,91,100 oct.IP-1.(Ohio)(A)
Cool Meadow (Lexington,Ky)	4.8 NE;rd W	910	28 S6	80, 91 oct.
Falmouth (Ky)	2.3 SE;riv E	750	16 S2	80 oct.Trees NE,SW
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct.WNW,SW blkd.
GREATER CINCINNATI Tower(Ky)	221(126.18,118.5)		AC (ILS)	(4);126.18,118.5,122.5 Call:
(P) Greater Cincinnati (Covington)	8.2 W;riv NE	890	55h L6 S6	80,91 oct.(Ky) Kenton Twr.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW.
Happy Landings (Morrow,Ohio)	2.4 ESE;RR S	880	28	Area SE unusable.
Harrison (Ohio)	2 ESE;hwy,5 SW	580	26 L1 S6	80 oct.P-line S
Hightman (Lebanon, Ohio)	3 E;RR W	880	16 S1	Trees W,E. 80 oct.
Hinton (W. Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Spgs)	1 E;riv,RR S	1520	26	Hill W, E. (W.Va)
HUNTINGTON Range (W.Va)	236 (HI)(116.1)	75°, 2.3	BMRLZ-DTV	(4); 116.1
(P) Huntington(Chesapeake,Ohio)	2 WSW;riv S	560	29h S6	80, 91 oct.
Jody (London, Ky)	2.7 SSE;hwy E	1240	25 L S2	80 oct. Flood lgts.
Jones (Chillicothe, Ohio)	7.2 SE;RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford, Ohio)	2 SE;RR 1 W	670	20 S6	80 oct.No sto.P-line N,S.
Lakewood Arpk (Cincinnati,O)	9.5 NNW	870	20h S6	80,91 oct.P-line E.
Lancaster (Ohio)	2.5 E;RR N	830	25 S6	91 oct.P-line E,N.
LEXINGTON Range (Ky)	108.3 (LM)		VARW	
Logan (W. Va)	7.2 NNW;riv E	630	15h S1	80 oct. Hill S,N.
Loving ,35A,NA-WA(Pulaski)	2.8 N;RR SE	2200	27 L3 S4	80 oct.Poles SW.No sto.(Va)
LUNKEN Tower (Ohio)	227 (118.7)		AC	(4); 118.7, 122.5
(P) [Lunken](Cincinnati, Ohio)	4.3 SE;RR SW	488	41h L5 S6	73,91,100 oct.
Marietta (Ohio)	1.8 ESE;riv S	615	27 S2	80 oct.
Maysville (Ky)	4.8 NW;riv N	555	26 S4	80 oct.
(P) Miami University (Oxford,Ohio)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N, NW.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E, SW.
Morris (Williamson, W.Va)	5 NNW;RR E	600	12 S1	80 oct. P-line S
Mt.Healthy (Cincinnati,Ohio)	9.5 NW;hwy E	870	22 S6	80 oct.Trees WSW,NE,ENE
Narrows (Va)	1 E;RR S	1550	2052	Ltd 80 oct.Trees W.
North Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	80 oct. No sto. Poles S.
Ohio University (Athens,Ohio)	1.5 E; RR S	640	40 L S6	80 oct. Port rnwy lgts.
Paris (Ky)	1.2 NNE	850	20 L S1	80 oct.Flood lgts NE,SW. NW blocked.
Parks Watson (Cincinnati,O)	9 NE;RR E	865	26 S6	80, 91 oct.
PAYNESVILLE H Fac. (W.Va)	356 (IR)		H	(6-23)
Princeton (W.Va)	1.7 SW;hwy E	2450	20 S4	80 oct.
PULASKI Range (Loving)(Va)	272(US)(116.1)	247°, 2.1	SBMRAZ-DTV	(4): 116.1
Raven Rock (Portsmouth, O)	3.5 WSW;riv S	538	24 L3 S6	80,91 oct.Lgtg fac not ver.
Ravenswood (W. Va)	0.6 NNW;RR W	600	23 S1	Ltd 80 oct.Obst sur fld.
Reed's (Watertown, Ohio)	4.9 W;hwy E,S	820	13 S1	80 oct.P-line NE Rdo re-pairs
Richlands (Va)	2.7 WSW;RR NW	1950	18 S6	80 oct.Hill E.
Roane Co. (Spencer,W,Va)	1 SE;hwy NE	954	17 S1	80 oct
Scioto Trail State Forest (Chillicothe, Ohio)	8 SSE;RR NE	640	24	
(P) Scott (Mt.Hope)(Beckley,W,Va)	2.6 N;RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Shumate (Jackson, Ohio)	8 SSE;RR NE	720	20 S1	80 oct.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80, 91 oct. Poles N.
Somerset (Ky)	5 N;RR W		20 S2	80 oct. Data unver.
South Dayton (Dayton, Ohio)	5 SSW;RR W	750	32 S6	80 oct. No sto. Hills S.
Stewart (Parkersburg, W.Va)	2.3 NNW;riv W	602	33 S6	80 oct. P-line SE.
Sutton Int, 21, CC-WA (W.Va)	3.6 ENE;RR W	1264	32 L3	
Tri-County (New Holland, Ohio)	3 ESE;RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis,Ohio)	1.8 ENE;riv SE	563	30	Trees E.
Washington (Washington Court House, Ohio)	4.5 ENE;RR S	910	22 S3	80 oct. P-line S.
Wolfords (Amanda, Ohio)	0.8 E;RR NW	960	13	
Zaleski (Ohio)	1 SSW;RR NW	705	22	Trees,hill NE,SW.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

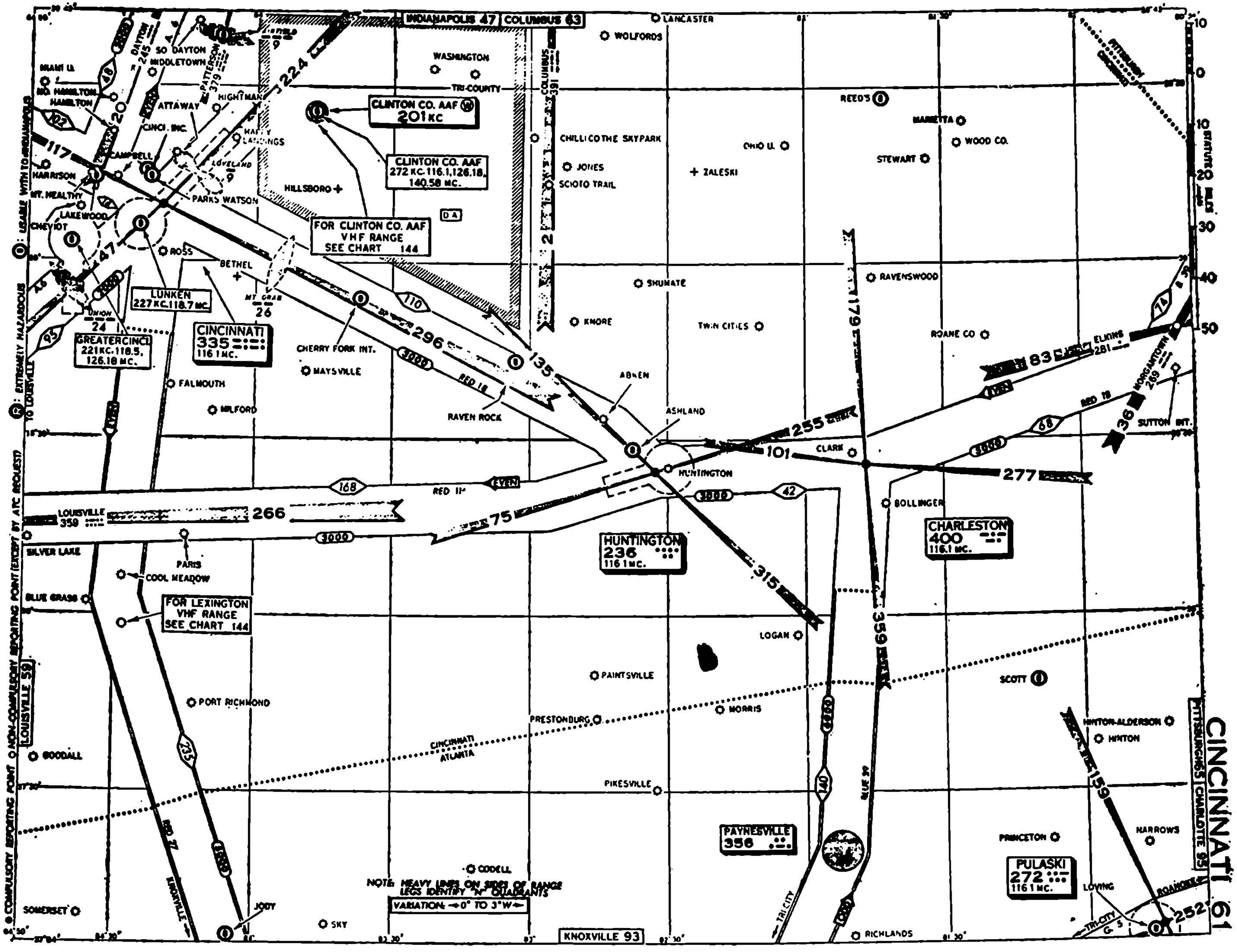
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK
GRTR. CINCINNATI	109.9	333.8	360°	IM-	MM- •—•—(0.6)	OM- ——(4.3)
					MMK- 206 •••—	OMK- 215•—•—
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Huntington (W. Va)	See Huntington Airport, Chesapeake, Ohio			
Milford (Ky)	0.1 SE;hwy W	500	18 S1	80 oct.
Codell (Darfolk,Ky)	1.6 WSW	860	20 S2	80 oct.Ctn-mtns sur fld.
Pikesville (Coal Run,Ky)	0.8 ESE		22 S1	80 oct.
Sky (Manchester,Ky)	2.7 SE;RR W	850	21 S1	80 oct.Mtns sur fld.
Paintsville (Ky.)	2.3 ENE;RR E	630	16 S2	80 oct.Ctn.Mtns NE,W,SW.
Port Richmond (Richmond,Ky)	4.6 E;hwy S	975	18 S1	80 oct.
Ross (Melbourne,Ky)	1.4 ESE;riv NE	475	20 S2	80 oct.P-line SE.
Prestonburg (Ky)	2.7 N;RR W	575	18 S2	80 oct.P-line S.Mtns all sides.

RADIO: S-Simul. Range and Voice. W-Without Voice. 2-VHF Range Station Location Marker. (2)-3165, 4495, 6210 kcs. (4)-3165, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 126.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 126.1, 127.55, 140.85 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4725 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) —►New or revised data. (Jones)-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


INDIANAPOLIS 47
COLUMBUS 63
CLINTON CO. AAF
201 KC
CLINTON CO. AAF
272 KC. 116.1, 126.18,
140.58 MC.
FOR CLINTON CO. AAF
VHF RANGE
SEE CHART 144
LUNKEN
227 KC. 118.7 MC.
CINCINNATI
335
116.1 MC.
GREATER CINCI
221 KC. 118.5,
126.18 MC.
HUNTINGTON
236
116.1 MC.
CHARLESTON
400
116.1 MC.
PAYNESVILLE
356
PULASKI
272
116.1 MC.
FOR LEXINGTON
VHF RANGE
SEE CHART 144
LOUISVILLE
359
CINCINNATI
61
KNOXVILLE 93
CHARLOTTE 95
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
EXTREMELY HAZARDOUS
LEAVE WITH TOPEKA ARTCC
NOTE: HEAVY LINES ON SIDE OF RANGE
LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 3°W
WASHINGTON
TRI-COUNTY
LANCASTER
WOLFORDS
REED'S
MARIETTA
WOOD CO.
STEWART
CHILLICOTHE SKYPARK
OHIO U.
JONES
SCIOTO TRAIL
ZALESKI
HILLSBORO
SHUMATE
RAVENSWOOD
KNORE
TWIN CITIES
ROANE CO
ELKINS
MORGANTOWN
SUTTON INT.
ABNEY
ASHLAND
CLARK
HUNTINGTON
BOLLINGER
RAVEN ROCK
CHERRY FORK INT.
MAYSVILLE
FALMOUTH
MILFORD
ROSS
BETHEL
MT. CRAB
LAKEWOOD
CHEVIOT
MT. HEALTHY
HARRISON
CAMPBELL
PARKS WATSON
LOVELAND
HIGHTMAN
ATTAWAY
CINCI. INC.
HAPPY LANDINGS
MIDDLETOWN
SO DAYTON
DAYTON
MIAMI U.
MD. HAMILTON
HAMILTON
PATTERSON
SILVER LAKE
BLUE GRASS
PARIS
COOL MEADOW
SOMERSET
JODY
SKY
CODELL
PORT RICHMOND
LOUISVILLE 59
GOODALL
PRESTONBURG
PAINTSVILLE
MORRIS
LOGAN
PIKESVILLE
CINCINNATI ATLANTA
TRI-CITY
RICHLANDS
SCOTT
HINTON-ALDERSON
HINTON
PRINCETON
NARROWS
LOVING
ROANOKE
TRI-CITY
252
266
296
224
275
315
359
179
159
83
77
75
71
64
68
42
101
255
277
135
110
117
47
95
168
RED 11
RED 18
RED 7
3000
6000
EVEN

RADIO — OHIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CLINTON CO. (Wilmington)	272 (126.18, 140.58.116.1)	CA(ILS-W)(GCA)	(3); 126.18,137.7,116.1 Tr on 137.88 on req.
Clinton County (Wilmington) (Army)	201	MHW	0.2 mi. end Rnwy 22, (8-1630, Mon-Fri.or on 30 min notice)
COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-DTV,86°, 1.9	(3);116.1
HILLIARD FM	(- - - -)	FM, 273°, 9.8	Columbus
LOCKBOURNE AAB(Columbus)	317 (126.18)+	CA (ILS-W)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°,25.0	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18	AC (ILS)	(4);122.5,118.5,126.18
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1

WEST VIRGINIA

CHARLESTON	400 (KN)(116.1)	SBMRAZ-DTV	(4), 116.1
HUNTINGTON	236 (HI)(116.1)	BMRLZ-DTV.75°, 2.3	(4):116.1
PAYNESVILLE	356 (IR)	H	(6-23) Oper by PCA

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
CLINTON CO. (A)	109.5	332.6	320°	IM-	(0.05)	OM-	
						MM-	
						MMK-	
						OMK-	
LOCKBOURNE (A)	109.9		3°	IM-	(0.16)	MM-	(0.85) OM- (4.29)
						MMK-	OMK-
PORT COLUMBUS	109.5		95°	IM-		MM-	(0.65) OM- (4.50)
						MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — KENTUCKY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.

OHIO

→ Briggs (Zanesville)	6.4 NNE;riv W	780	18 S2	80 oct. P-line N,E.
→ Cambridge	2 N;RR 1 W	800	27 L3 S6	80 oct.Hill,trees ESE,SSW.
Cedar Lawn (Kenton)	2.3 S, RR E	975	16 S2	80 oct. P-lines E,SE
★ Cherry Fork Int,4,CC-WA	0.5 NNW	939	39 L3	
Chillicothe Skypark	1.8 N;riv W	640	30 S4	80,91 oct.
Clickenger (Columbus)	6.2 SSE,RR E	748	26 S2	80 oct. Poles surround fld.
(A) Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
→ Commerce (Zanesville)	6.5 N ;riv 1.5 E	800	29 S6	80,91 oct.
Crabill (Springfield)	2.5 SE.RR 1 E	1040	29 S6	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII (NC)-Not charted. → NEW OR REVISED DATA

OHIO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
→ Grimes (Urbana)	1.5 N,RR W	1055	35 L5 S6	80,91 oct. Fld lgts prior req.P-line E, SE,SW.
Grove City	1 S, RR W	860	21 S6	73,80 oct. No sto.Poles W.
→ Jones (Chillicothe)	7.2 SE,RR SW	720	24 S2	80 oct,P-line E.
→ Knore (Minford)	2 SE;RR 1 W	670	20 S6	80 oct. No sto. P-line N,S.
→ Lancaster	2.5 E;RR N	830	25 S6	91 oct,P-line E,N.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	744	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S2	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S4	80 oct.
Newark,2, CO-PG	3.5 SW,RR 1 NW	880	24 L3 S4	80 oct,S blkd.
(P) New Philadelphia	2.5 SE;riv .5 SW	885	36 S6	80 oct. P-line &obst sur fld
Norton (Columbus)	6.5 E,RR N	800	22 S6	80, 91 oct. Pole line N.
(P) Ohio State University (Columbus)	8 NNW,riv E	900	22h S4	80, 91 oct.
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) Port Columbus - NAS (Columbus)	7 E, RR S	817	50h R3 L6 S6	80-100 oct. Poles NW.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	25 S2	80 oct.N,NE blkd.
Price (Columbus)	6 SE	760	22 S6	80 oct. Poles S, SE.
→ Raven Rock (Portsmouth)	3.5 WSW;riv SE	538	24 L3 S6	80,91 oct. P-line NW.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE. Rdo repairs.
→ Riverside (Zanesville)	3.4 NNE,RR W	700	40 S6	80 oct. Hill, trees NNE,SSW.
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RR NE	640	24	WSW blkd.
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,hwy E	1050	28 L4 S4	80 oct.No sto.Fld lgts prior req.
Sullivant Ave.(Columbus)	6 WSW,RR NW	860	34 S6	80,91 oct. Pole line S.Rnwy data unver.
Tri-Co. (New Holland)	3 ESE,RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE;hwy S	910	22 S3	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	960	13	
Woodsfield (NC)	1 W;hwy E	1220	19	Emerg only.
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S2	80,91 oct.Pole line E. RR E,NE,W blocked.
→ Zaleski	1 SSW,RR NW	705	22	(NC)Trees,hill NE,SW
(P) Zanesville	6.2 E;hwy 1 N	902	50h R1 L5	Fld lgts prior req.

WEST VIRGINIA

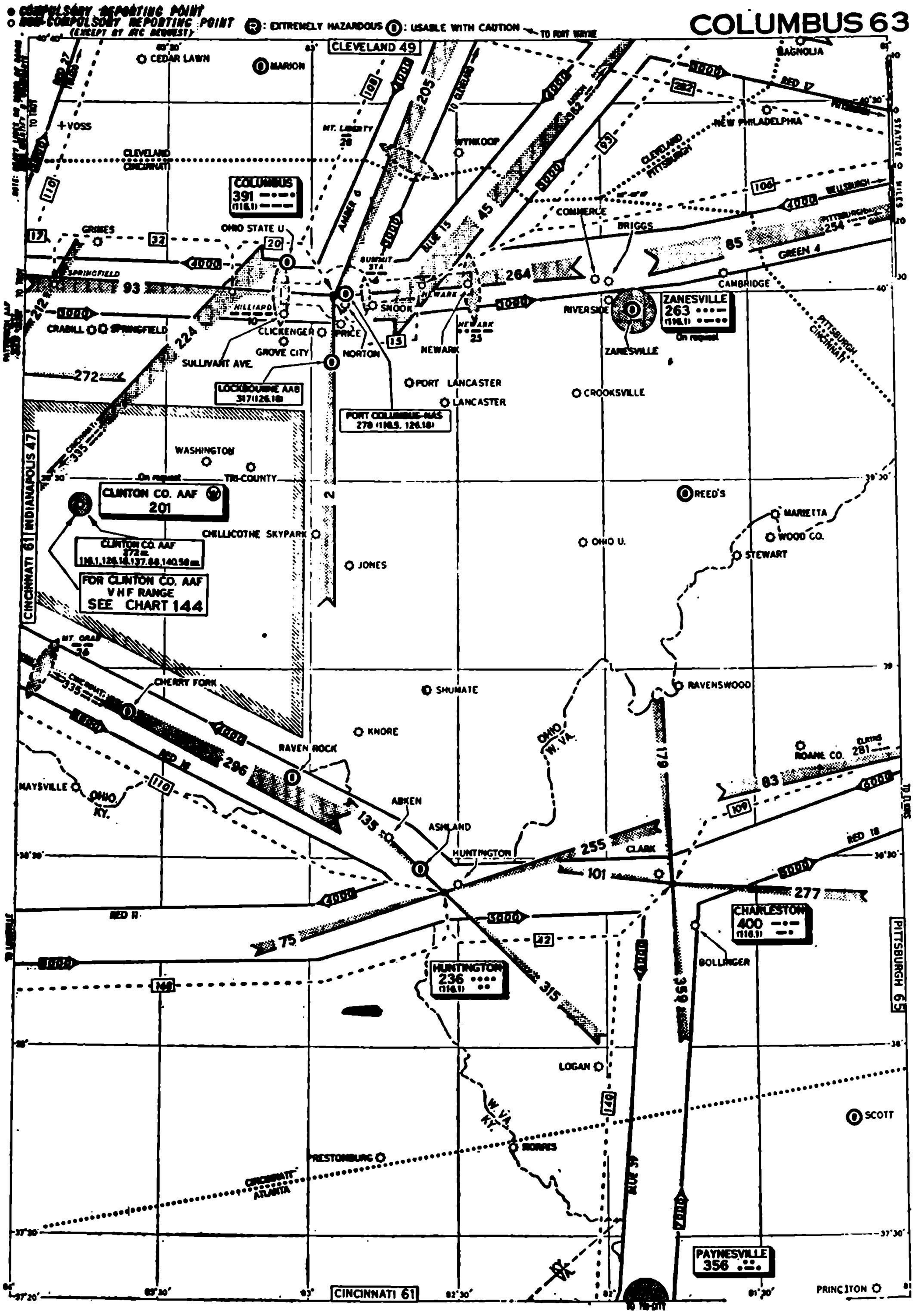
Bollinger(Charleston)	4.5 SW,riv N	900	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
Roane Co. (Spencer)	1 SE,hwy NE	954	17 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N, RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct. Pole line SE.
(P) Wood Co. (Parkersburg)	7 NE; hwy E	835	45h L5 S6	80,91,100 oct. Lgts emerg only.

NEW AIRPORTS

Logan (W.Va.)	7.2 NNW.riv E	630	15h S1	80 oct.Hill S,N.
Huntington (W.Va.)				See Huntington Arpt, Chesapeake, Ohio
Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct.P-line S.Data unver.
(P) Huntington (Chesapeake,Ohio)	2 WSW;riv S	560	29h R1 S6	80,91 oct.
Port Lancaster Corp. (Hooker,Ohio)	0.8 N;RR W	800	28 S1	80,91 oct.Hwy W.
Snook (Reynoldsburg,Ohio)	1.4 NE;RR N	980	21 S6	80 oct.P-line E;trees SW.
Hillsboro (Ohio)	5 W;hwy S		20 S2	80,91 oct.Use strips only.Data unver.

COLUMBUS 63

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION



PITTSBURGH

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALLEGHENY CO. Tower (Pa)	278 (126.18, 118.7)		AC	(4); 140.1,122.5,126 18
[Allegheny Co.](Pittsburgh,Pa)	5.3 S;RR NW	1251	57h L6 S6	80-100 oct.No ctc lgts.Rdo rec.rqrd
Allegheny Valley (Tarentum, Pa)	3.2 W;RR W	1125	24 S4	80 oct.
ALTOONA Range (Pa)(Blair Co.)	338(RF)(116.1)	203°,1.3	SBMRAZ-DTV	(4); 116.1
Altoona (Duncansville, Pa)	1 SW;RR E	1050	36 S4	73 oct.
Augusta (Waynesboro, Va)	6 WSW;rivSE	1420	24 S4	80 oct. Pole line SE.
Baker Arpk (Burlington,W.Va)	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg,W.Va)	6 E;hwy S	1200	38h S6	80, 91 oct.
Blair Co., 24A, CO-PG (Martinsburg, Pa)	0.9 SE	1495	44h L4 S2	80, 91 oct.
* Buckstown Int,12B,WA-CV (Pa)	1 E;hwy S			ABANDONED.
Buford's (Montvale, Va)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
CECIL H Fac (Pa)	219 (C)	265°,10.3	FMHW	(Cont.) Pittsburgh
CECIL FM (Pa)	(- - -)	265°, 10.3	FM	Pittsburgh.
(P) Connellsville (Pa)	4 SSW;hwy E	1250	34h S2	80, 91 oct.
→ Covington (Va)	1 E;reservoir E	1500	18 S6	80 oct.
Covington-Clifton Forge (Va)	6.5 E;hwy S	1115	24 S4	80 oct.
Cresson (Pa)	1 NE;RR W	2240	25 S2	80 oct. P-line S.
(P) Cumberland (Md)	2.5 S;rivN,S	780	58h L5 S6	80,91 oct.Mtns SW.Bcn inop.
Elk Garden (W. Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct.P-line NW.
ELKINS Range (W.Va)	281(EK)(116.1)	174°,2.9	SBMRAZ-DTV	(4); 116.1
(P) [Elkins] (W.Va)	2.6 S;RR W	1988	45h L5 S4	80,91 oct. No sto.
Forman (Terra Alta, W.Va)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
FRONT ROYAL Range (Va)	359(FZ)(116.1)		SBMRAZ-DTV	(4); 116.1
Glendale (W.Va)	0.5 WSW;bet. RR & riv	640	29 S6	80 oct.Trees N,S P-line S.
GORDONSVILLE Rng (Va)(Int.)	388(GJ)(116.1)	135°,2.5	SBMRAZ-DTV	(4); 116.1
Gordonsville (Va)	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Gordonsville Int,51,NA-WA(Va)	5 SSE	438	31 L3	Pole line SW.
GREATER PITTSBURGH Tower	396 (126.18)+		CA	(3); 126.18
(A) Greater Pittsburgh (Pittsburgh, Pa) (A)	15 WNW;riv N	1145	55h L5 S4	100 oct. JP-1. No sto.
(A) Greenbrier AAF (White Sulphur Springs, W.Va) (A)	2 SW	1795	35h	
(P) Greene Co.(Waynesburg,Pa)	2.7 E;RR NW	1100	32 S6	80 oct.
Hamilton (Indiana, Pa)	2.5 E;hwy S	1440	26 S6	80 oct. P-line S.
Harrison City (Pa)	1.1 NW;hwy S	1200	17	Poles NW.
Hartman (Harrisonburg,Va)	1 NW	1350	27 S6	80,91 oct. Rnwy data unver.
Herron (New Cumberland,W.Va)	4 NE;lake W	1250	17 S4	80 oct. Data unver.
Hinton (W.Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Springs, W. Va) (NC)	1 E;riv,RR S	1520	26	Hill W, E.
HOOKSTON FM (Pa)	(- - - -)	308°,32	FM	Pittsburgh.
Huntingdon (Pa)	1 S;riv NE	620	20 S4	80 oct. P-line W.
Ingalls (Hot Springs, Va)	3 S;hwy W	3780	31 S2	80 oct. Closed winters.
(P) Johnstown (Pa)	4.7 E;hwy N	2282	45h S5	80,91 oct.
Keystone (Ebensburg, Pa)	3 SW;RR NW	2100	23 S4	87 oct. Obst sur fld.
Latrobe (Pa)	2.8 SSW;hwy N	1144	23h S4	80 oct.
Leechburg (Pa)	1.6 ESE;hwy W	960	30 S6	73 oct. P-line N,NE.
Lewis (Buckhannon, W.Va)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Lexington (Va)	2.7 SW;hwy S	1200	17 S1	73 oct.P-line NE,SW.
(P) Louis Bennett (Weston,W.Va)	3.2 N;RR E	998	37	Hill S;pole line WNW.
LYNCHBURG Range (Preston Glenn)	206(LB)(116.1)	165°,1.9	SBRAZ-DTV	(4); 116.1 (Va)
Marlinton (W.Va)	1.5 NNE;RR SE	2475	21 S2	80 oct. Hill WNW.
MARTINSBURG Range (W.Va)	209(MR)(116.1)	35°,2.9	BMRLZ-DTV	(4); 116.1
Mayer (Pittsburgh, Pa)	10 WSW;RR S	770	16 S4	80 oct.P-line S.
Mexico Farms (Cumberland,Md)	3 S;RR E	630	36 S2	80 oct. Mtns E.
Moorefield (W.Va)	0.8 NE;RR W	980	26 S4	80 oct. Trees WNW.
MORGANTOWN Range (W.Va)	269(MG)(116.1)	173°, 5.6	BMRLZ-DTV	(4); 116.1
(P) Morgantown (W.Va.)	2.2 ENE;hwy NW	1254	36h L3 S6	80,91 oct.
MT. PLEASANT FM (Pa)	(- -)	124°,24.7	FM	Pittsburgh
Narrows (Va)	1 E;RR S	1550	20 S2	Ltd 80 oct.Trees W.
NEW ALEXANDRIA FM (Pa)	(-)	85°, 30	FM	Pittsburgh
New Alexandria (Pa)	1.5 ENE;hwy N	1200	18 S4	80 oct. P-line N.
Orange Co. (Orange, Va)	4 E;hwy S		26 S2	80 oct. Data unver.
Petersburg Int,29,CC-WA(W. (W. Va)	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
PITTSBURGH Range (Pa) - (Allegheny Co.)	254(PT)(116.1)	85°,2.2	SBRAZ-DTV	(3); 116.1
Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct. (Pa)
Pittsburgh-Greensburg (Greensburg, Pa)	2.3 SE;hwy N	1280	26 L3 S6	80 oct.Twr W.No bndry lgts.
Pitt-Wilkins (Pitcairn,Pa)	1 NNW	1200	17 S2	80 oct.
PRESTON GLENN Tower (Va)	248		C	(4)
(P) [Preston Glenn](Lynchburg,Va	6.7 SSW;RR SE	935	40h L5 S6	80, 91 oct.
Ridgeway (Bunker Hill,W.Va)	2.3 SSW;RR E	600	20 S6	80 oct.No sto.P-line SSW
Romney (W.Va)	2.1 NNE;riv W	750	16 S2	80 oct.Mtns WNW,ESE,SSE
Ronceverte (W.Va)	2 N;hwy SE	2175	18 S2	80 oct.
Salix (Pa)	0.6 S;RR NW	2200	24 S4	80 oct.
Scott (Tiltonsville,Ohio) (NC)	1.5 SSW;riv E	650	25	
Shenandoah (Va)	0.5 SW;hwy W		19 S1	Data unver.
Somerset (Pa)	2 NNE;RR SE	2200	27 S4	80 oct.P-line W.
Star Valley Arpk (Charleroi,Pa)	2 S;RR W;riv E	765	25 S1	80 oct.Bldg S.Data unver.
Staunton (Va)	4.4 NE;RR NW	1300	26 S6	80,91 oct.P-line NNE.
Stokes (Front Royal, Va)	2.5 W;riv E	735	19 S2	80 oct. P-line S,E.
(P) Stultz (Altoona, Pa)	10.7 NNE;RR NW	970	30 S6	80,91 oct.P-line E.
SUMMERHILL FM (Pa)	(- - - -)	281°, 22	FM	Altoona
* Sutton Int,21,CC-WA (W.Va)	3.6 ENE;RR W	1264	32 L3	
Timberlake (Lynchburg,Va)	9.5 SW;RR N	950	26	
Toronto (Ohio)	1.5 NW;riv E	1050	22	
(P) University of Va.(Charlottesville, Va)	5 ESE;riv E	300	35 S6	80,91 oct. Trees ESE.
Valley (Waynesboro, Va)	1.7 NNE;RR E	1245	29 S6	80 oct.P-line E,SSW.Rnwy
Vandergrift (Pa)	2 WNW;RR E	1000	21 S2	73 oct.P-line NW,data unver.
Weirton (Hollidays Cove,W.Va)	1.5 E	1144	16h S6	80 oct. Data unver.
(P) Wheeling Ohio Co. (W.Va)	7.5 NNE; riv 2 W	1193	50h L5 S4.	80,91 oct. Lgts prior req.
Winchester (Va)	3 SSE;hwy E,S	700	22 S6	80 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALLEGHENY CO.			95°	IM-	MM-	OM-
					MMK- 201 • — — • (0.80)	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bedford, (Pa.)	5.2 N jct of hwys	1187	18 S4	Fuel.Data unver.
WHEELING Range(W.VA)	108.3(WN)		VARW	
Tyrone Speedway (Pa)	4.2 SW;riv S	965	23 S4	80 oct.Mt.S.Trees WSW, N, ENE
→ New Market-Timberv'l	3.4 E;RR E	975	21 S1	80 oct (Timberville,Va)
→ Luray (Va)	1.5 S;hwy W	900	19 S1	80 oct.Fence NNE,SSW
→ Elkton (Va)	3 NW;mtn W	1100	19 S1	80,91 oct P-line SW
→ Culpeper (Va)	1 SW;quarry W	400	17 S6	80 oct P-line NE,SW

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

+ Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page xiii)

→ NEW OR REVISED DATA. (NC)-Not charted. [Jones] Airline Stop

PITTSBURGH 65

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS D: USABLE WITH CAUTION

BUFFALO 51

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

TO MERCER · ALLEGHENY VALLEY · LEECHBURG · VANDERGRIFT · HAMILTON · STULTZ · TYRONE SPDWY · NORTH ALTOONA · HUNTINGDON · MT. UNION · TO LISBON · TO HERNDON · WASHINGTON 67 · TO REMINGTON · TO DONCASTER · TO RICHMOND · TO CHARLESTON · COLUMBUS 63

RED 20 · AKRON 362 · 305 · L LIVERPOOL · RED 21 · BLUE 2 · 43 · 65 · 3000 · 4000 · 128 · 265 · 203 · 18 · 69 · 10 · 30 · 101 · 22 · 281 · 5000 · 120 · 63 · 26 · 38 · 42 · 6000 · 37 · 216 · 25 · 140 · 52 · 304 · 23 · 47 · 74 · 39 · 36 · 35 · 174 · 7000 · 320 · 270 · 83 · 68 · 354 · 277 · 94 · 26 · 135 · 37 · 315 · 71 · 66 · 234 · 165 · 169 · 41 · 243 · 90 · 76

HERRON · HOOKSTOWN · 32 · CLEVELAND · AKRON · 344 · TORONTO · RED 17 · WEIRTON · MAYER · GREATER PITT. AAF 396 (126.18) · NEW ALEXANDRIA · PITT-WILKINS · PITT-BETTIS · HARRISON CITY · KEYSTONE · CRESSON · ALTOONA · SUMMERHILL · NEW ALEXANDRIA · LATROBE · JOHNSTOWN · SALIX · GREEN 4 · BLAIR CO. · WELLSBURG · CECIL 10 · ALLEGHENY CO. 278 (118.7, 126.18) · PITT.-GREENSBURG · COLUMBUS 391 · PITTSBURGH 254 (116.1) · CECIL (W) 219 · STAR VALLEY · MT. PLEASANT · BEDFORD · SOMERSET · ALTOONA 338 (116.1) · FOR WHEELING VHF RANGE SEE CHART 144 · WHEELING-OHIO CO · GLENDALE · CONNELLSVILLE · GREEN CO · MORGANTOWN 269 (116.1) · OHIO (W. VA) · PA. MD · FLINTSTONE · MORGANTOWN · CUMBERLAND · MEXICO FARMS · MD. W. VA. · MARTINSBURG 209 (116.1) · PITTSBURGH CINCINNATI · FORMAN · PITTSBURGH WASHINGTON · ELK GARDEN · BAKER · ROMNEY · RIDGE WAY · BENEDUM · ELKINS 281 (116.1) · LOUIS BENNETT · LEWIS · MOOREFIELD · WINCHESTER · ELKINS · PETERSBURG · FRONT ROYAL 359 (116.1) · STOKES · SUTTON · NEWMARKET-TIMBERVILLE · LURAY · SHENANDOAH · CULPEPER · HARTMAN · ELKTON · GORDONSVILLE 388 (116.1) · ORANGE CO · GORDONSVILLE · MARLINTON · W. VA. VA. · STAUNTON · WAYNESBORO · VALLEY · AUGUSTA · CINCINNATI WASHINGTON · CINCINNATI ATLANTA · UNIV. OF VIRGINIA · INGALLS · COVINGTON-CLIFTON FORGE · RONCEVERTE · GREENBRIER AAF · COVINGTON · LEXINGTON · GORDONSVILLE · HINTON · JAMES RIVER · TIMBERLAKE · BUFORD'S · LYNCHBURG 206 (116.1) · NARROWS · CHARLESTON 400 · ROANOKE 371 · PRESTON GLENN 249 ·

39°30' · 38° · 38°30' · 37°30' · 37°20' · 80°30' · 79°30' · 79° · 78°30' · 78° · 40°40' · 40°30' · 40° · 39°30' · 39° · 38°30' · 38° · 37°30' · 37°20'

CHARLOTTE 95 · NORFOLK 97

DELAWARE

FACILITY	ARPT. LOCATION	BEAR. & DIST.	ELEV	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Bellanca (New Castle)	1.5 W		30	25h L1 S5	80,91 oct.Poles N.
Biggs (New Castle)	1 NW;riv SE		60	21 S2	80 oct. Riv S. NW.
Bridgeville	1.7 SE;hwy S,W		40	22 S6	80 oct.No sto.P-line
→ DOVER Tower					DECOMMISSIONED
Dover	1.4 ENE		34	19 S2	80 oct. P-line N.
Dover Arpk.	2.2 N;rd W		37	25 S2	80 oct.
(A) Dover AAF (A)	4 SE;hwy E		28	70h	TMP INACT.NO FACS
DuPont(Seaford)(NC)	0.8 WSW;RR NE		25	21	Poles NE.PRIV.RST'D
DUPONT Tower	388			CI	3105,3117.5,5582.5 (8-20 daily except Sun.)
DuPont(Wilmington)	3 WNW;RR E		185	29 R1 L5 S6	80,91 oct.SW blkd.
(P) Georgetown	1.5 E;RR NW		51	50h	
Harrington	1.8 E;RR W		50	25 S2	80 oct.
Holly Brook(Laurel)	1.5 N;RR,hwy W		40	25 S1	80 oct. P-line SE
Laurel	1.5 SW;hwy E		30	19 S2	80,91 oct. cept on req.
NEW CASTLE Range	350 (NC)		19°,2.8	MRLZ	Replies on twr freq ex -
NEW CASTLE Tower	219 (118.5)			CI	(4):116.1,118.5,122.5
(NG) New Castle County (Wilmington)	4.8 SW;hwy SE		75	70h R2 L5 S1	73,100 oct NG,emerg re airs only for mil acft
Rehoboth Beach Aircrafters	2.5 W;hwy N		10	35 L S6	80,91 oct.Obsts sur fld.Port rnwy lgts.
Sussex (Frankford)	1.5 N;hwy W		30	20 S4	80 oct.Port flares on req.

DIST. OF COLUMBIA

WASHINGTON Range	332(WA)(116.1)		25°,0.9	SBRAZ-DTXV	(3); 116.1

MARYLAND

→ Aberdeen Arpk.	0.8 SW;hwy SE		60	24 S4	80 oct.
Aldino(Churchville)	2.2 NE;RR SE		400	20 S6	80 oct.
Andelot(Worton)(NC)	4 WNW;bay W		25	20	Trees N.
ANDREWS Range (Camp Springs)	248(DCM)		10°,1.2	MLZ	
→ANNAPOLIS NAF (Seaplane Tower)	2870(142.74)		90°,1.5	CN	3105,2870,6420;142.74 (8-17)
Annapolis	2 S		25	18h S4	80,91 oct.P-line SSW.
→ BALTIMORE Range	257(BO)(116.1)		12°,2.4	BMRLZ-DTV	(3);116.1,122.1 Twr SSE
BALTIMORE Tower	278(118.9,126.18)			C	(4);118.9,122.5,126.18
(NG) [Baltimore Mun.]	6 SE;RR NE Harbor S		14	46h R2 L5 S6	Ltd 100 oct,no maint; NG.Rdo rqrd.Stacks
BELTSVILLE FM	(-)		41°,17.6	FM	Washington,D.C. N,SE
CAP (Westminster)	2.6 N;hwy E		780	20 S4	80 oct.P-line E,NE
Delmarvia(Salisb'y)	2.8 NE;hwy W		45	21 S6	80 oct.P-line N,E,NE
Diffendahl(Baltimore)	11 ESE;riv S		20	23 S2	80 oct.Trees all appchs
Dixie (Annapolis)	10.7 W;riv SW.		120	22 S4	80 oct.Hwy N,W.
(P) Easton	2.2 N;RR E		66	40h L S4	80 oct.No sto.Port lgts
(A) Edgewood Arsenal(A)	1.3 S		18	50h L5 S4	91,100 oct.No bcn.CLSD
→ Faybrook(Rock Hall)	1.5 NNW;bay W		20	14 S1	80 oct.Trees WNW,NNE
Frederick City	1.8 E;riv N,E		305	49	(Frederick) ESE.
Glenburnie-Whipp	1 E;hwy W		56	30 S6	80 oct.E,W clr NW blkd
Gill (Chestertown)	1.5 NNE;RR W		60	32 S2	80 oct P-lines W,SW
Hagerstown	4.2 N;hwy E		700	39h L3 S6	80,91 oct.Lgts on req
Hickman(Ocean City)	7.5 NW;riv S		15	25 S4	80,91 oct.Flares
Kent (Worton)	1 N;RR S		60	23 S2	80 oct. on req.
Lee Annapolis (Annapolis)	4.8 WSW;hwy E		30	28 SI	73,91 oct.P-line ESE Rnwy data unver
MARTIN Tower	317			CI	(4)(8-sunset,Mon-Fri)
Martin (Baltimore)	10 E;RR N		18	70h R1	PRIVATE.
Mattaponi Sky Club(Croom)	1.6 SE;hwy 1 W		30	31 S1	80 oct Flare pots on req
Midway (Showell)	1.1 SE;hwys W,S		20	30 L S4	80 oct P-line SSW
PATUXENT RIVER Navy Range	215(NHK)		57°,44	MRLZ-D	(3); 142.74
PATUXENT RIVER Tower	347 (142.74)			CN (GCA)	(3); 142.74
(N) Patuxent Riv.NAS(N)	2.9 NE Jarboes		38	97h R2(L6)S4	91,100 oct.JP-1.NATS.
PHILLIPS Tower	215(126.18)			CA	(3);126.18 (8-18 Mon.-Fri.8-1630 Sat.& Sun)
(A) Phillips(Aberdeen)	3.2 S;RR W		57	50h R1 L5 S1	73,100 oct.Closed (A)
Pimlico(Baltimore)	6 NW;hwy SW		449	32 S6	91,80 oct.
(N) Piney Point	0.8 WNW		10	14h S1	73 oct.Use rnwys only
Rutherford(Baltimore)	7 W;RR W		500	23 S6	80 oct. Twr N.
Salisbury	5.3 ESE		52	50h L5 S1	91 oct.Lgts prior req.
Shady Side (NC)	1.8 SSW		10	15	P-line SSW.RR W
Stevens(Frederick)	5.8 N;hwy E		440	28 S6	80 oct.NE blkd.
Taneytown	2.9 WNW		500	23 S4	80 oct.SW blkd.
Webb (Easton)	2.5 E		50	26 S6	80 oct.No sto.P-line S,
WEBSTER Tower	3345 (142.74)			CN	3105;142.74 (24 hrs.advance notice) SE

MARYLAND

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(N) Webster (Priest Point) (N)	1.5 W Ingoes	21	50h R1 S1	Ltd100 oct.JP-1 on req

NEW JERSEY

→ Alexandria(Pittst'n)	2 WNW;lk NE	340	18 S4		80 oct.Trees ENE.
Buck's (Bridgeton)	3.7 NNE;RR S	100	18 S4		80 oct.P-line S,W
Greenwich	2.5 W;riv SW	30	21 S6		73,80 oct.Trees N.
Kroelinger(Vineland)	2.5 NNW;RR E	100	19 S6		80 oct.P-line S,E
MILLVILLE Range	365(NV)(116.1)	144°,4.3	SBRA-DTV		(4); 116.1
(P) Millville	3.3 SW;lk N	68	50h R1 L5 S6		80,91oct.Fldlgts on req.
→ Penns Grove	3 SE;lk ENE	10	25 S4		80 oct.Obst sur fld.
Salem	2 ESE;rd S	15	22		CLOSED.
→ Woodstown	5 NW;hwy N	100	22 S4		80 oct.Hedge SSE.

PENNSYLVANIA

→ [Allentown-Bethlehem](Allentown)	4.6 NNE;RR NW	392	40h R1 L5 S6		80,91 oct.Use rnwys only.Fld lgts pri.req.
Berks (Reading)	4.5 NW;hwy SW	360	23 S4		80,91 oct.Hill NW.
Bethlehem-Easton (Easton)	4.5 SW;riv S	360	23 S6		80,91 oct.No sto. P-line sur fld.
BOOTHWYN FM	(- - -)	260°,9.5	FM		Philadelphia.
Cargill(Granville)	1.5 SW;RR SE	490	20 S6		80 oct.Obsts sur fld.
CARLISLE FM	(- - - -)	284°,18	FM		Harrisburg.
Carlisle	1.8 WSW;RR N	480	23 S2		80 oct.
Centerville(Carlisle)	11.3 SW;RR N	660	23		Trees E,NE. (NC)
Chambersburg	1.2 SSE;RR SW	650	22 S6		80 oct.E/W strip rough
Coatesville	1.6 W;RR S	623	26 L1 S4		80 oct.Obsts sur fld.
Convair(Allentown)	3 SSW	399	40h		
Devener(Hanover)	2 NNE;hwy W	590	20 S6		73,80 oct.
Doersom(Gettysb'g)	2.4 NW;RR N	590	19 S6		73 oct.Pwr line NE.
Estler(Mohrsville)	3.5 W;pond W	390	22 S6		Ltd 80 oct.Trees W.
Fogelsville	0.7 E;RR SE	460	22 S4		80 oct.No sto.P-line SW
Gettysburg	2.8 NNW	600	24 S3		80 oct.No sto.RR SW.
HARRISBURG Range	242(HX) (116.1)	118°,1.1	SBRAZ-DTV		(3); 116.1
→ HARRISBURG Tower	278(126.18,118.7)		AC		(4);116.1,118.7,122.5
(N) [Harrisburg State]	3.5 S;RR N	344	40h R2 L5 S4		80,91 oct.Svcg days
Hershey	1.1 NNW;RR S	415	21 S2		80,91 oct. NATS
Kutztown	1.5 S;RR SE	400	25 S4		73 oct.
Lancaster	1.5 NNW;RR SW	320	26 S6		73,80 oct.Pwr line W
Lancaster,35,CO-PG	5.5 N;hwy W	385	27h L4 S4		80 oct.Poles S,WSW.
Layfield(New Hanover)	2 NE;hwy W	320	17 S6		80 oct.Trees NE.
Lebanon Co.(Myerstown)	1.8 W;hwy S	525	17 S5		80 oct.
Lewistown	4 SW;riv SE	560	20 S6		80 oct. P-line NW.
Madeira(Reading)	3.2 N;RR W	360	20 L S6		80 oct.Port flood lgts.
MIDDLETOWN FM	(- -)	118°,9	FM		Harrisburg.
Millard(Annville)	1.5 SW	480	18h S5		80,91 oct.
(P) Mount Union	4 S;hwy E	560	30 S4		80,91 oct.
New Hanover	0.5 W;hwy SE	300	18 S6		80 oct.
OLMSTED Tower	396(126.18) +		CA	45,05	(4); 126.18
(A) Olmsted(Middletown) (A)	1 W;RR N	300	50h R1 L5 S6		62-100 oct.JP-1.Poles N,NE. Riv S.
Penn-Harris (Harrisburg)	4 ESE;RR N	400	18 L S6		80,91 oct.Flood lgts.
PHILADELPHIA Rng (Southwest)	266(PG)(116.1)	97°,3	SBMRAZ-DTV		(4); 116.1
Philadelphia Main Line (Paoli)	2.8 WNW;hwy S	310	21 S4		No fuel.P-line ESE.
Pottstown	4.5 E;hwy N	311	30 S6		80 oct.Bldg NW.
(A) [Reading]	3 NW;riv E	342	52h L6 S6		80,91 oct.B-2 lgts prior req.
Reigel(Campbellt'n)	1 N;hwy N	475	20 S4		80 oct.
Schuylkill(Pottsv'l)	8.3 ESE;lk SE	510	29 L S6		80 oct.Port rnwy lgts. Hills E,NE,SW
SEVEN VALLEYS FM	(- - -)	172°,25	FM		Harrisburg
Sky View Acres (Muncy)	1 E	510	24 S4		Data unver.
Sunset Arwys (Chambersburg)	3.5 NNE;rd E,S	650	25 S1		80 oct.P-line E,NNW.
Swatara Valley	4 WSW;RR N	480	21 S4		80 oct. (Pine Grove)
Taylor(New Kingston)	0.5 SE;hwy N	440	28 S6		80 oct.P-line N.
Valley Arpk(York)	3 ENE;RR N	420	21 S6		80 oct.Poles SSE,
Waynesboro	3 SE;hwy N	700	20h S6		30 oct. NNW.
West Chester	2.5 NE;lk S	470	32 S4		80 oct.
Womelsdorf	3 NW;hwy E	540	13 S1		73 oct.
York	8.3 WSW;RR E	500	19 L S6		73,80 oct.Flood lgts. Pole N.

VIRGINIA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALEXANDRIA LFM	(- - -)	209°,2.4	LFM	Washington, D.C.
→ ARCOLA Range	333(EC)(116.1)		SRAZ-DV	(3);116.1
Blue Ridge (Herndon)	4 WSW;hwy NE	280	30	P-line E.
Central(Richmond)	2.5 ENE;RR W	172	45 S6	80 oct.Poles WNW,SE.
CHESTER FM	(- -)	218°,5.15	FM	Richmond
→ CHINCOTEAGUE Navy Range	227 (NKZ)	98°,4.5	MRLZ	3105,4495; 142.74
CHINCOTEAGUE Twr	3295(142.74)		CN	(3); 142.74 (8-17)
(N) Chincoteague NAAS	4.5 WNW;hwy S	38	60h R2 L5 S4	100 oct. (N)
Currell's(Weems)	1 N;jct or rivs		17 S1	80 oct.P-line SE.Use strips only.Data unver.
DAHLGREN Tower	375(142.74)		CN	(3);142.74(8-16 except
(N) Dahlgren NAF Proving Grnds.(N)	0.5 E	20	40h R1 L5 S2	100 oct.CLSD. Sun.)
DAWN FM	(- - - -)	3°,25.1	FM	Richmond
Harcum (NC)	0.2 NW	85	40	Poles Rnwy data unver.
Hermitage(Richm'd)	3.2 NNW;RR W	200	20 S6	80 oct.Trees,poles E,W
HERNDON FM	(- - - -)	317,21.8	FM	Washington, D.C.
Hummel (Greys Pt.)	3 NE Harmony	30	21	Obsts sur fld. (NC)
Johnson(Ononcock)	1 ESE;RR E	35	22 S1	80 oct.
→ Kellam(Weirwood)	0.3 SW;RR E	15	21 S4	80 oct.Trees NW.
→ Leesburg Arpk.	0.7 ESE;hwy S	280	20	P-lines NE.
* Lively Int,6,NW-WA	3.4 WSW;riv W	15	34 L3	35' trees,bldgs NW.
→ Manassas	2.7 NW;RR S	250	22 S6	80 oct.Obst sur fld.
(P) Melfa Flgt Strip	1.3 W	48	70h	
→ Midway (Chester)	2 E;hwy S	178	26 S6	80 oct.P-line W.
* Milford Int,49B,AG-LG	1.5 S;RR W			ABANDONED.
MT. VERNON FM	(. - - - -)	209°,8.2	FM	Washington, D.C.
MT. VERNON H Fac.	269 (W)	209°,8.2	FMHW	Cont.)Washington,D.C.
Northfield(Richm'd)	3 N;hwy W	197	20 S4	80 oct.
Parksley	0.6 WNW	25	18 S4	80 oct.
→ Parnell(Richmond)	4 S;RR E,W	120	19 S6	80,91oct.P-line NW
QUANTICO Navy Rng	203(NYG)	20°,4.6	MRLZ	3105,4495 (MCAS)
RICHMOND Range (Bryd)	260(RW)(116.1)	20°,1.9	SBRAZ-DTV	(3): 116.1
RICHMOND Tower	See Byrd Fld under "New Facilities" - name changed			
(A) [Richmond AAB](A)	See Byrd Fld under "New Facilities" - name changed.			
Shannon(Fredericksburg)	1.6 SSE;riv E	50	23 S6	80 oct.
→ Tappahannock Flgt Stp	0.8 W	30	40h	8000' strip avail.
→ Waynesboro	3 W;hwy N	1500	26 S1	80 oct.Trees WSW.
(P) West Point	2.3 ESE	24	50h S4	80,91 oct.Riv SSW.
Zieger(Warrenton)	3.7 S;hwy NE	440	20 S4	80 oct.Hill W,NW.

WEST VIRGINIA

(P) Martinsburg	4 S;hwy W		550	50h R1 L5 S6	80,91,100 oct.
North End (Martinsburg)	2.5 NNE;RR W		515	28 S2	80 oct.Pole line S.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS).		
→ BYRD	109.9		63°	IM-	MM- - - - (0.90)	OM- -- (4.36)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Emmaus (Penna)		0.5 NW		20 S4	80 oct. Data unver.
Grimes (Bethel,Pa.)	1.7 ENE;hwy S		582	29 S6	80,91 oct.No sto.Mtn NE
(A) Byrd Fld (Richmond,	7.3 ESE;RR S		167	50h R3 L5 S4	Va)73,100 oct.
De Vries(Lewes,Del.)	1.3 NW;Bay N		10	20	
BYRD Tower Richmond,	396(126.18,118.7)			AC (ILS-W)	(4);122.5,118.7,126.18 (Va)
Phoenixville (Pa)	3 NE		300	24 S4	Data unver
Rock Hall (Md.)	2.4 NNE;hwy W		30	30 S4	80 oct.
Stowe-Pottst'n(Pottst'n)	1.7 NW		245	26 S6	80 oct.P-line S (Pa)
→ Vineland (N.J.)	4.3 SSW;RR 1 E		65	24 S6	80 oct.P-line E.Use ctr stps
Blackwood (N.J.)	6.3 ESE;hwy W		65	26 S4	80 oct.No sto,P-line N,
PRANDYWINE Range (Md.)	379(BDW) (116.1)			SMRLZ-DV	N/S usable emerg. (3);116.1
Paoli-Malvern Arpk (Malvern,Pa)	1.3 SSE		460	24 S4	80 oct.Trees NE,SE,SW.
→ Davis (Gaithersburg,Md)	7.5 NNE;hwy E		640	26 S6	80,91 oct.Trees ESE.
Red Lion	3.2 N;hwy W		50	19 S4	80 oct.(St.Georges,Dela.)
Lovett(Elkton,Md)	3.1 NNE;RR 1 SE		140	22 S4	80 oct.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. A.A.C.S.: Scheduled broadcast on 4765 kcs (first figure is scheduled time, second alternate time).

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)-→ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

WASHINGTON 67

●COMPULSORY REPORTING POINT
○NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

SYRACUSE 53
SCHUYKILL
ALLENTOWN-BETHLEHEM
FOGELSVILLE
ESTLER
KUTZTOWN
SWATARA VALLEY
GRIMES
BERKS
CONVAIR
EMMAUS
BETHLEHEM-EASTON
ALEXANDRIA
METUCHEN
PENN-HARRIS
WOMELSDORF
LEBANON CO
HERSHEY
MILLARD
REIGEL
MIDDLETOWN
LAYFIELD
MADEIRA
NEW HANOVER
READING
FOR DETAILS IN THIS AREA SEE CHART 69
HARRISBURG 242 (116.1)
LEWISTOWN
CARGILL
PHILIPSBURG
MT. UNION
CARLISLE
TAYLOR
HARRISBURG STATE 278KC 118.7, 126.18MC
OLMSTED AAF 396 (126.18)
LANCASTER
STOWE-POTTSTOWN
POTTSTOWN
PHOENIXVILLE
MAIN LINE
LANCASTER MUN.
PAOLI-MALVERN
COATESVILLE
W. CHESTER
SUNSET AWYS
CHAMBERSBURG
YORK
SEVEN VALLEYS
GETTYSBURG
DOERSOM
DEVENER
NEW FREEDOM
WAYNESBORO
HAGERSTOWN
TANEYTOWN
LANCASTER
NEW CASTLE CO. 219KC 118.5MC
DU PONT 388
BOOTHWYN
PENNS GROVE
PHILADELPHIA 266 (116.1)
BIGGS
BELLANCA
WOODSTOWN
LOVETT
NORTH END
C.A.P. BASE NO. 332
MARTINSBURG
STEVENS
FREDERICK CITY
ALDINO
ABERDEEN
NEW CASTLE 350
PILOT'S HAVEN
RED LION
KROELINGER
BUCK'S
VINELAND
SHALLCROSS
GREENWICH
SMYRNA
PHILLIPS AAF 215 (126.18)
DIFFENDAHL
EDGEWOOD ARSENAL AAF
MARTIN 317
KENT
BALTIMORE 278 (118.9, 126.18)
GILL
BALTIMORE 257 (116.1)
MILLVILLE
MILLVILLE 365 (116.1)
PIMLICO
RUTHERFORD
N. BALTIMORE
MARTINSBURG 209
LEESBURG
LISBON
DAVIS
RELAY
ROCK HALL
FAYBROOK
GLENBURNIE-WHIPP
BELTSVILLE
DOVER
DOVER AAF
SUNGLO
DOVER AIR PARK
HARTLY
CENTERVILLE
HERNDON
FRONT ROYAL 359
BLUE RIDGE
ARCOLA 233 (116.1)
RED 18
FOR DETAILS IN THIS AREA SEE CHART 69
ALEXANDRIA
DIXIE
ANNAPOLIS
NAF. ANNAPOLIS 287.0 (142.74)
EASTON
WEBB
LEE ANNAPOLIS
HARRINGTON
DE VRIES
REHOBOTH
BRIDGEVILLE
GEORGETOWN
MANASSAS
WASHINGTON 332 (116.1)
MT. VERNON
MT. VERNON (W) 269
ZIEGER
REMINGTON
DONCASTER
NAS. PATUXENT RIVER 215
HOLLY BROOK
LAUREL
SUSSEX
NAS. PATUXENT RIVER APPROACH ZONE INCLUDES AIRSPACE UP TO 4000' M.S.L.
MCAS. QUANTICO 203
BRANDYWINE 379 (116.1)
HICKMAN
DELMARVIA
MIDWAY
SALISBURY
GORDONSVILLE 388
SHANNON
NAF. DAHLGREN 375 (142.74)
NAS. PATUXENT RIVER 347 (142.74)
MEEKINS NECK
NAAS. CHINCOTEAGUE 227
POCOMOKE
WEBSTER
PINEY POINT
TAPPAHANNOCK
DAWN
BYRD 396 (118.7, 126.18)
LIVELY
PARKSLEY
JOHNSON
MELFA
NAAS. CHINCOTEAGUE 3295 KC 142.74 MC
RICHMOND 260 (116.1)
CURRELL'S
HUMMEL
NORTHFIELD
HERMITAGE
CENTRAL
PARNELL
MIDWAY
WEST POINT
LANGLEY AAF 221
KELLAM
NORFOLK 239
NORFOLK 97
BLACKSTONE 371
RAWLINGS
CHESTER
TO NORFOLK
TO NAS, NORFOLK

RADIO

DIST. OF COLUMBIA

LOCATION	FREQ., IDENT.	BEAR. & DIST.	STA. CLASS	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANACOSTIA NAS Tower	396(142.74)		CN	(3);142.74(7-sunset & on req.)
BOLLING Tower	212(126.18, 137.88)+		CA	(3); 126.18,137.88
WASHINGTON Range	332(WA)(116.1)	25°,0.9	SBRAZ-DTXV	(3); 116.1
Washington Nat'l. Tower	278 (126.18, 118.5, 118.1)		AC (ILS-W)	(4);118.5,126.18,122.5 (GCA test basis)

MARYLAND

ANDREWS Army Range	248(DCM)	10°,1.2	ML Z	
Andrews Tower	317 (126.18)+		CA(ILS-W)(GCA)	(3); 126.18
BELTSVILLE FM	(-)	41°,17.6	FM	Washington, D.C.
DONCASTER FM	(. . . - - -)	209°,24.7	FM	Washington, D.C.

PENNSYLVANIA

BOOTHWYN FM	(- - -)	260°,9.5	FM	Philadelphia
HOLMESBURG LFM	(- - -)	238°,6.5	LFM	NE Philadelphia
JOHNSVILLE Tower	284(142.74)		CN	3105 cont.;4495,6210;116.1, 126.18,140.58,142.74 on req. (8-1/2 hr. past sunset)
MUSTIN NAAF Tower	251 (126.18, 142.74)		CN	(3); 126.18,142.74 (7-sunset, other hrs. on req.)
PHILADELPHIA SW Range	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
Philadelphia SW Tower	278 (118.1)		C (ILS-W)	(4); 118.1
Philadelphia NE Range	371 (NF)	238°,2.8	MLWZ-DT	
Philadelphia NE Tower	212		CI	(4)
WILLOW GROVE Navy Range	391 (NXX)	241°,3.35	MRLZ	(3); 142.74
Willow Grove NAS Tower	356 (142.74)		CN	(3); 142.74 (days only except on 1 hr's advance notice)
WINGS Tower	278		CI	3105 (9-17)

VIRGINIA

ALEXANDRIA LFM	(- - -)	209°,2.4	LFM	Washington, D.C.
HERNDON FM	(- - - -)	317°,21.8	FM	Washington, D.C.
MOUNT VERNON H Fac	269 (W)	209°,8.2	FMHW	(Cont.) Washington,D.C.
MOUNT VERNON FM	(. . - - -)	209°,8.2	FM	Washington, D.C.
QUANTICO Navy Range	203 (NYG)	20°, 4.6	MRLZ	3105, 4495
Quantico MCAS Tower	3295 (142.74)		CN	(3); 142.74

NEW RADIO FACILITIES

→ BRANDYWINE Range (Md.)	379(BDW)(116.1)		SMRLZ-DV	(3);116.1

INSTRUMENT LANDING SYSTEMS

(Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ANDREWS (A)	110.3	335	10°	IM- (0.05)	MM- (1.20)	OM-
					MMK-379	OMK
PHILADELPHIA SW	109.9	333.8	85°	IM-	MM- (0.66)	OM- (5.66)
					MMK-	OMK-230
WASHINGTON	109.9	333.8	360°	IM- (0.03)	MM-	OM- (3.60)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

DIST. OF COLUMBIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Anacostia NAS (Washington) (N)	2.4 SE of Monument	8	50h R1 L5 S4	100 oct. No bcn.
(A) Bolling (Washington) (A)	3 SSE of Monument	20	60h R1 L5 S6	73,100 oct. Ridge E.
(A,N) WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct. JP-1 on req. FOREIGN CLEAR. STN. NATS

MARYLAND

(A) Andrews (Camp Springs)(A)	1.5 E	279	55h R3 (L6) S4	80, 100 oct. JP-1.
(N) Beltsville OLF (N)	5 ESE	180	44h	
Capital (Berwyn)	2 NW; RR E	70	20 S4	80 oct. Pole line S.
College Park	8.5 NE of D.C.	50	22 S6	80,91 oct. S,NW blkd. RR NW
Columbia Air Ctr. (Croom)	3 E; RR W	40	20	Trees N, NNW.
Congressional (Rockville)	2 SSE; hwy E	450	33 S6	80 oct. Pole line E, NE. Allway fld.
Curtis (Brandywine)(NC)	3 SSW; RR E	200	18	Pole line N, W.
Erco (Riverdale)	0.4 NE; RR W	50	15h S2	80 oct. Closed. 2800' rnwy avail
(A) Fort Meade (A)	0.5 NE ctr of reservation	180	19h S1	80 oct.

h-hard surfaced [illegible]. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

MARYLAND

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Hyde (Clinton)	2 WSW	249	32h L S6	80, 91 oct. Port flood lgts on req.
Maryland (Pomonkey)	0.2 S; RR S	170	32 S6	80,91 oct. SSE blkd.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct. NE blkd. P-line SE.
Schrom (Greenbelt)	0.3 S.W; hwy W	177	50h L S6	80,91 oct. Floodlgts on req. SSE–blkd.

NEW JERSEY

Almonesson	0.6 NNW	50	22 S6	73 oct. P-line NE, trees SE. Soft.
→ Bridgeport	0.8 ESE; RR N	23	18 S4	80 oct.
Burlington Airpark	1.7 ENE; hwy NNW	30	24 S4	80,91 oct. P-line E,SSE,NNW
Central (Camden)	1.8 E; riv S,W	20	25h L4 S5	80,91 oct.
Echelon (Ashland)	0.5 SE; RR W	100	27 S6	80, 91 oct. Pole line NW.
Marlton-Medford Inc. (Marlton)	1.5 ENE	80	30 S2	80 oct.
Mercer County, new (Trenton)	5 NW; RR SE	211	40h	
Mercer County, old (Trenton)	5.8 NW; RR E	200	25 S1	73, 80, 91 oct.
Merrill (Barrington)	1 ESE; RR E	70	35 S6	80 oct. No sto. Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 L S4	80,91 oct. Port rnwy lgts on req.
Pitman	1.6 NNW; RR E	100	17 S6	80 oct. Pole line S, SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2	80 oct. Pole line SW.

PENNSYLVANIA

Benedict (Chester)	6.5 W	400	26 S2	80 oct. Data unver.
Boulevard (Philadelphia)	12 NE; RR SW	160	22 S4	80 oct. Obsts sur fld.
Buckman (Chester)	2.3 WSW; RR NW	90	20 S4	80 oct. No sto.
Budd (Philadelphia)	13 NE; RR N	240	44h	Trees E,W.
Doylestown	1.5 NNE; RR SW	400	22 S6	80 oct.
Gloster (Montgomeryville)	0.7 SE; hwy W	460	22 S1	80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW; hwy E	600	18 S6	80 oct.
(N) Johnsville (N)	0.5 N; RR E	366	46h R1 S1	91,100 oct. P-line W,NW.
Kaiser (Bristol)	2 N; riv SE	35	38h	Pole line SW. RESTRICTED.
Lansdale	1.6 ESE	450	29 S6	80,91 oct. P-line N,NE,E,S,W.
Morrisville	1.6 W; riv E	180	24 S6	80 oct. P-line NE,E,SE,SW,W,NW.
(N) Mustin NAAS (Philadelphia)(N)	4 S; riv S	16	48h R1 L5 S6	100 oct. Pole line NE.
Old Star (Langhorne)	2.4 E; RR N	180	24 S5	80 oct. No sto. Poles N, S.
Patco (Norristown)	2.5 SE; bet RRs	200	19 S6	80,90 oct. No sto.
Perkiomen (Collegeville)	1.5 NE; rds NE	280	32 S6	80 oct. P-line N,NE,E,SE.
(P) Philadelphia Northeast	12.2 NE; hwy W	106	50h R2 L5 S1	80,91 ,100 oct. No flood lgts.
PHILADELPHIA SOUTHWEST	6.5 SW; riv SW	10	54h R3 L6 S6	82,91 oct. Rdo rec rqrd.
Quakertown	2 W; hwy E	520	21 S4	80 oct. No sto.
Somerton (Philadelphia)	14 NE; RR N,E	200	25 S6	80 oct. Poles N,S,W.
Valley Forge (Norristown)	4 WNW; riv NW	250	24 S6	80 oct. Riv SE.
(N) Willow Grove NAS (N) NATS	4 NNW; hwy E	369	40h R2 L5 S4	91,100 oct. No sto.
Wings (Ambler)	3 WSW; rds E,W	350	25 R1 S6	80,91 oct. Trees N,S.

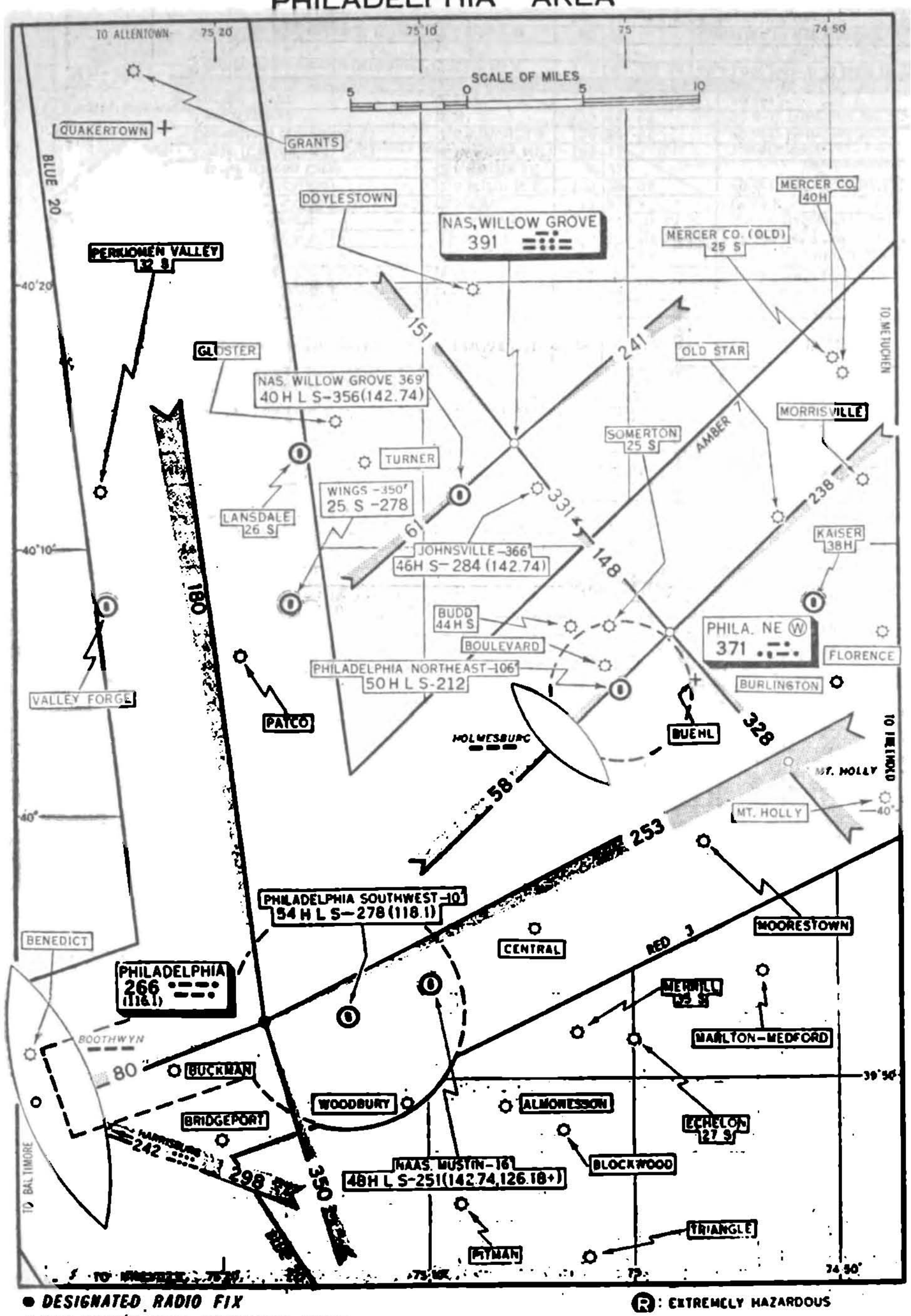
VIRGINIA

→ Beacon (Alexandria)	3 SSW; hwy E	246	27 L4 S6	80,91 oct. P-line SE,S,SW,NW blkd.
Crossroads (Alexandria)	4.5 NW; RR E	250	20 S1	Ltd 80 oct. No bndry, no obst.
Falls Church Airpark	1.9 SW	350	26 S6	No sto. Data unver.
Hybla Valley (Alexandria)	See Alexandria under "New Airports" - name changed.			
(N) Quantico MCAS (N)	1.2 SSW; RR W	10	42h R2 L5 S6	73,91,100 oct.
Springfield (Annandale)	3.5 SSE; RR E,N	240	20 S4	80 oct. No sto. Obsts sur fld.

NEW AIRPORTS

→ Woodbury (N.J.)	1.8 SSW; RR N	50	21 S4	80 oct.
Alexandria, (Va.)	4.5 SSW; hwy E	66	50 S6	80 oct. Trees, pole lines sur field.
Turner (Lansdale, Pa.)	4.2 ESE	375	19 S6	80 oct.
Worth (Florence, N.J.)	1 SE; riv N	50	24 S4	80 oct. P-line WSW,NW. Trees S.
Mt Holly (N.J.)	1 N; rd N	70	22 S1	80 oct. Use strips only.

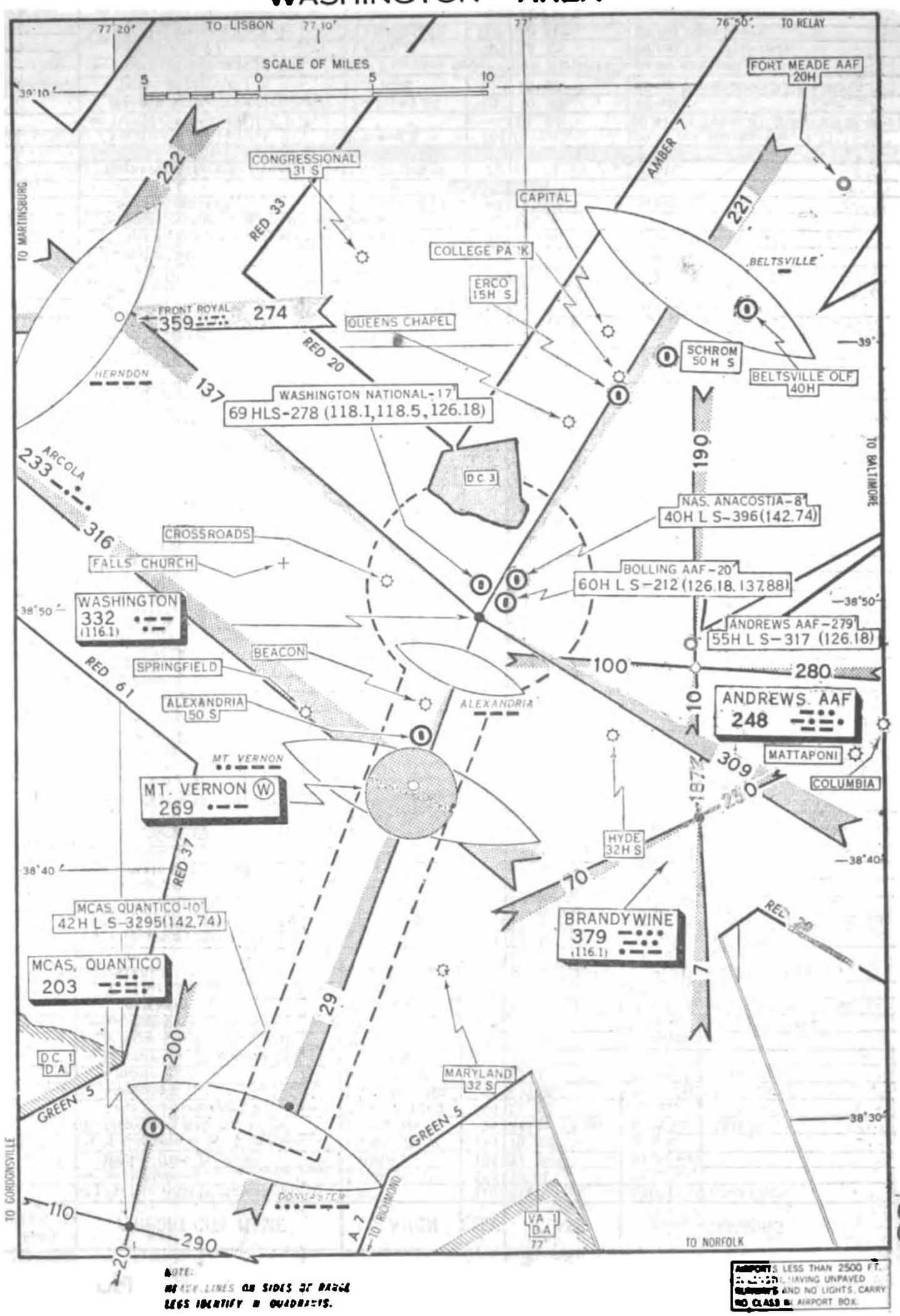
PHILADELPHIA AREA



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ : EXTREMELY HAZARDOUS
Ⓞ : USABLE WITH CAUTION

WASHINGTON AREA



NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY IN QUADRANTS.

AIRPORTS LESS THAN 2500 FT. [illegible] HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS B AIRPORT BOX.

RADIO

NEW JERSEY

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASBURY PARK FM	(-)	FM, 62°, 20	Lakehurst NAS.
ATLANTIC CITY NAS	275(142.74)	CN(GCA)	(3): 142.74 (8-sunset)
CALDWELL-WRIGHT	254 (126.18)	CI	(4);126.18,122.5 (830-sunset, Mon-Sat,9-sunset Sun)
CASSVILLE FM (Navy)	(- - - -)	FM,337°,3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°, 1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM, 157°, 15	Lakehurst NAS
FREEHOLD FM	(- . - . -)	FM, 222°, 47.5	La Guardia, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295 (142.74)	CN; 157°, 0.7	(3); 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
MATAWAN	108.7 (MW)	VARW	
METUCHEN FM	(. . - - -)	FM, 238°, 13	Newark
NEWARK	341 (NK)(116.1)	SBRAZ-DTV;58°,1.0	(3); 116.1
Newark Airport	278(126.18,118.3)	AC(ILS-W)	(4); 122.5,126.18,118.3
TETERBORO (Bendix)	326	CI	3105,6210,3117.5;122.5

NEW YORK

CLASON POINT LFM			DECOMMISSIONED
FLATBUSH	353 (F)	FMHW;222°,16.1	(Cont.) La Guardia
FLATBUSH FM	(- - -)	FM, 222°,16.1	La Guardia
FLOYD BENNETT (New York)	379 (FB)	SMRLZ-DT	(3)
Floyd Bennett Fld NAS	388(142.74)	CN(GCA);122°,1.9	(3);142.74 (8-17)
Floyd Bennett Fld NAS	532(NSC)	MHW; 122°,0.15	(Cont. (Floyd Bennett)
GRUMMAN (Bethpage,L.I.)	323	CI	(8-1630,Mon.-Fri.)
IDLEWILD	248 (NY)	SMRLW, 72°,2.3	
LA GUARDIA (New York)	209(LG)(116.1)	SBRAZ-DTXV;222°,3.2	(3);116.1
La Guardia Field	362(126.18, 118,1.118.7	AC (ILS-W)	(4);126.18,118.1,118.7,122.5, & airline freqs.
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 weekdays)
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAZ-DT;301°,3.2	(3)
Mitchel Field	396(126.18) +	CA(ILS-W)(GCA)	(3);126.18(approach control)
NEW YORK (La Guardia)			DECOMMISSIONED
NEW ROCHELLE FM	(-)	FM, 42°, 5.6	La Guardia
NEW ROCHELLE	275 (R)	FMHW;42°,5.6	(Cont.) La Guardia
PORT CHESTER FM	(- -)	FM; 42°, 16.5	La Guardia
REPUBLIC FIELD(Farmingdale)	371	CI	(3) (days only)
ROCKAWAY PARK LFM	(- -)	LFM, 122°, 5.0	Floyd Bennett

PENNSYLVANIA

PHILADELPHIA NORTHEAST	371 (NF)	MLWZ-DT;238°,2.8

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LA GUARDIA	109.9	333.8	44°	IM-		MM- ·--·-- (0.81)	OM- --(4.49)
						MMK-233 --··	OMK 317 ·--··
MITCHEL(L6)(A)	110.3	335	301°	IM-	(0.04)	MM- ····· (0.87)	OM- --(4.14)
						MMK-257 --·-	OMK-272 ·-·-
NEWARK (L6)	110.3	335	58°	IM-		MM- ·--·- (0.61)	OM- --(4.64)
						MMK-201 ·----	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + —Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aero-Marine Terminal (Keyport)	1 NE;RR S			ABANDONED.
Acft.Radio Corporation (Boonton)	2.6 N;riv S	550	32	Poles N,E.PRIVATE.
Asbury Park Air Terminal	4.5 W;rd N	100	24 S2	80 oct. 125' tank E.
Atlantic City	1.3 WSW;RR N	11	31 S2	80,91 oct.Ltd sto.350' tank E,lgtd.
(N) Atlantic City NAS (N)	10 NW;RR NE	70	50h R1 L5 S4	91,100 oct.Lgts prior req.
Caldwell-Wright	2.4 N;riv N	175	47h R1 L1 S1	Rest'd to factory operations.
(CG) Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED.
Cavoli's (Richland)	1.5 W;RR N,E	100	20 S4	80 oct. Pole line NNE,No sto.
Clarke (Ocean City)	2.8 SW;RR SE	8	23	
Coyle (Chatsworth) (NC)	6 ESE;hwy NE	190	18	Emerg only.
Downstown (Landisville)	1.8 WNW;RR S	120	23 S1	80 oct. Pole line N.
East Hanover	1 N	170	15 S2	80 oct. Pole line W.
Forked River	1 ESE;riv S	12	18 S4	80 oct.
NEW AIRPORTS				
Trenton-Robbinsville(Robbinsv'l)	1 ESE;rd N	115	40 L4 S6	80,91 oct.No bcn.N blkd.(N.J)
Mahalchik (Columbus,N.J)	2.8 S;hwy W	60	20	Unusable in wet weather.
Mid-Jersey(New Brunswick,N.J)	3 WSW;hwy SE	120	18	Emerg. use only. P-line SE.
Forsgate Arpk(Jamesburg,N.J)	1.6 SW;RR E	150	24 S6	80,91 oct.P-line N,NE,SW.Twr N end

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page 111) NC-(not charted).

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Ft. Dix AAB (Wrightstown)(A)	1 SE	120	81h	TMP INACT.NO FACS.
Hackettstown	2 SSW;riv E	560	30 S4	80,91 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80 ,91 oct.
Hightstown & Air Service	1.3 SW;RR W	110	19 S6	80 oct.
(N) Lakehurst NAS (LTA) (N)	1 NNW;riv N	94	98h R2 L5 S6	91,100 oct. Lgts on req.
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Lakewood	2.5 SE;lake NW	26	S4	80,91 oct. Data unver.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Pole line N, SE.
Mercer Co. (Trenton)(new)	5 NW;RR SE	211	41h	
Mercer Co. (Trenton)(old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co. (Belmar)	5.5 W;hwy E	180	35 L S6	80,91 oct. Flood lgts on req.
Morristown	3 E;RR N	187	40h L5 S4	80 oct. No sto. Lgts prior req.
Murchio (Paterson)	4.5 WNW;rd N	350	32 S4	80 oct. Trees N.
(A) NEWARK	3.5 SSE;RR E	17	79h R3 (L6) S6	80,91,100 oct.JP-1.2-way rdo rqrd. FEE
North Brunswick(New Brunswick)	2 SW;RR E	120	25 S2	No fuel.Poles ENE,ESE.
Northwest Jersey (Clinton)	3.6 W;RR S	380	22 S4	80 oct,Poles N,S. P-line N,WSW.
Ocean Co. (Adamston) (NC)	1 SW;crk,5 S	18	25 L S6	80,91 oct. Port flood lgts on req.
Pennington	2 ESE;hwy S,E	230	24 S4	80 oct. P-line ESE,SSE.
Princeton(Rocky Hill)	1 W riv E	160	19 S1	80 oct,P-line ENE,SSE.
Red Bank	1 S;hwy E	80	26 S6	80,91 oct. P-line W,S,N.
Shinn-Woodbridge (Woodbridge)	3.9 NW;RR E	120	21 L S4	73,80 oct.Pole line SE.
Smith C.H. (Cape May)	2.2 NE;hwy NW	20	19 S2	80 oct,P-line E,NW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	45 L S6	80,91 oct. Port lgts on req.
Somerset (Somerville)	4.6 NW;RR SE	105	20 S5	80,91 oct. Trees W.
Somerset Hills (Basking Ridge)	1.6 SE;RR S	250	24 S6	80 oct. Pole line W. Rdo rcvr rqrd.
(P) Teterboro-Air Term.(Bendix)	0.5 SW;RR NW	5	30h R1 L5 S6	80,91 oct.No bndry lgts.Rnwy lgts on req.Rnwy data unver.
Trenton (NC)	6 NE;hwy NW	70	15 S1	80 oct,P-line W.
Trinca (Andover)	2 WSW;RR E	600	24 S6	73 oct. Restricted to USFS.
Westfield (Rahway)	2 W;lake N	100	24 S4	80 oct. No sto. Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h S6	80 oct.
(P) Woodbine	2 SE	39	30h L1 S6	80,91 oct.Bcn on req.

NEW YORK

Bender's-Brentwood (Brentwood)	1 ENE;RR N	85	10	CAUTION - construction. (NC)
Carll Skyport (Commack)	1 S;RR N,S	140	24 S1	80 oct. Trees S,SE.
Columbia (Valley Stream)	1 SW;RR N	15	29h	
Davis Flight Strip(Bayport)(NC)	1.3 NNW;RR S	40	22	
Deer Park (NC)	0.8 ESE;RR N	75	10	Trees adj E.Pole line W.
Donovan Hughes (Greenridge)	1 N;crks S,W	10	17 S1	80 oct.
Fitzmaurice(Massapequa)	1.5 ENE;RR S	36	14 S6	80 oct. No sto.Trees N,S.
(N) Floyd Bennett NAS (New York)(N)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto. No bcn. NATS
Flushing	1.5 NNW;pkwy E	4	32 L S4	80 oct.P-line W,SW.Port rnwy lgts
Grumman (Bethpage)	0.5 W;RR NE	119	54h R1 S5	91,100 oct.Poles SW,SE. prior req.
Hicksville Airpark	2.4 N;RR E	190	20 S4	80 oct. Rnwy data unver.
LA GUARDIA (New York)	5 E;riv N	19	60h R3 L6 S1	73,100 oct.Rdo rcv rqrd. FEE.
(P) MacArthur (Islip)	8 NE;RRs N,S	98	50h R1 L5 S1	91 oct.All lgts prior req.Rdo rqrd.
(P) Mastic Flight Strip	2.6 NW	66	40h	
(A) Mitchel (Hempstead) (A)	0.5 NE;RR N	85	57h R3 (L6) S6	73,91,100 oct.JP-1.FOREIGN CLEAR. STN.
Nassau (Hempstead) (NC)	4.5 E;hwy N	80	21	
Republic (Farmingdale)	1.3 ENE;RR N	82	66h R1	NE blckd.Closed ngts,trans.PRIV.
Richmond Co. (Travis) (NC)	0.5 SW;riv W	10	24	160' chimney SW.
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct.Pwr line S,SE.Port rnwy lgts
Roosevelt (Mineola)	1.6 ESE;RR N	90	30h L3 S5	80,91,100 oct. Wires NE.
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S; rd W	40	22 S4	80 oct. Pole line SW.
Suffolk Co.(Westhampton Beach)	2.6 N	66	50h	
Zahns (Amityville)	2.5 NNE;RR NE	80	22 S6	80 oct. Pole line SW.

PENNSYLVANIA

Skyhaven Aircenter (Morrisville)	1.2 SSE;RR W	25	26 S4	80 oct.
NEW AIRPORTS				
Aviation Country Club	2 S;hwy S	104	24 S6	80,91 oct. (Hicksville, N.Y)
New Sayville (Sayville, N.Y.			30 S4	80,91 oct.Trees NE,SW,WNW.P-line NE.
Nassau Arpk (Princeton,N.J.)	2.5 S;hwy SE	80	30 S4	80 oct.
Toms River, (N.J.)	1.5 NNE		19 S2	80 oct.Water tanks S.Data unver.
Worth (Florence,N.J.)	See Florence under "New Airports" - name changed.			
Mt Holly (N.J.)	1 N;rd N	70	22 S1	80 oct.Use strip only.
Buehl (Philadelphia,Pa)	18 NE;RR SE	110	24 S4	80 oct,Data unver.
General Motors (Linden,N.J.)	1 SE	23	42h	CLOSED.W,E,S,NW less than 10-1.
Star Harbor(Williamst'n,N.J)	0.8 N;hwy SE,NW	150	18 S1	80 oct.P-line ENE,SSW,WSW.
Florence,N.J.			24 S4	80 oct.P-line WSW,NW.Trees S.

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

SOUTHERN NEW JERSEY

LAKE SUSQUEHANNA
TRINCA
AIRCRAFT RADIO CORP.
LINCOLN PARK
MURCHIO
CALDWELL-WRIGHT 254 RC 126.18 MC
TETERBORO 326 RC
E. HANOVER
HACKETTSTOWN
MORRISTOWN
LA GUARDIA 362 RC 118.1, 118.7, 126.18 MC
NEWARK 278 RC 118.3, 126.18 MC
NEWARK 341 (116.1)
NEW ROCHELLE 275
HOLMES 233
MASPETH 317
LA GUARDIA 209 (116.1)
HICKSVILLE
AVIATION COUNTRY CLUB
GRUMMAN 323 RC
FLUSHING
ROOSEVELT
GREAT NECK
MITCHEL AAF 396 RC 126.18 MC
REPUBLIC 371 RC
ZAHNS
FITZMAURICE
MACARTHUR 278 RC
NEW SAYVILLE
MASTIC
CARLL
ST. JAMES
GLENCOVE
HUNTINGTON
PORT CHESTER
BRIDGEPORT 221
ALBANY 55
TO HARTFORD
TO BRANCHVILLE
TO BELFAST
SOMERSET HILLS
LEBANON 32
NW JERSEY
ALLENTOWN 320
SOMERSET
SOLBERG-HUNTERDON
HADLEY
SHINN-WOODBRIDGE
ELIZABETH
FLATBUSH 353
FLATBUSH 16
IDLEWILD (W) 248
COLUMBIA
MITCHEL AAF 227
NEW YORK
ROCKAWAY
ROCKAWAY 5
CONEY ISLAND
GENERAL MOTORS
HUGHES
STATEN IS.
FLOYD BENNETT 379
NAS. FLOYD BENNETT 532
NAS. FLOYD BENNETT 388 RC 142.74 MC
AMBROSE
LONG BEACH
MITCHEL
PRINCETON
MID-JERSEY
METUCHEN 13
NO. BRUNSWICK
FOR MATAWAN VHF RANGE SEE CHART 144
PENNINGTON
MERCER CO.
MERCER CO. (OLD)
NASSAU
FORSGATE
RED BANK
FREEHOLD 48
HIGHTSTOWN
TRENTON-ROBBINSVILLE
MORRISVILLE
SKYHAVEN
OLD STAR
PHILA. NE(W) 371
KAISER
FLORENCE
BURLINGTON
ASBURY PARK
BLUE 18
MONMOUTH CO.
ASBURY PARK 20
LAKEWOOD
OCEAN CO.
FORKED RIVER
NAS. LAKEHURST 3295 RC 142.74 MC
NAS. LAKEHURST 520
CASSVILLE 3
MAHALCHIK
MT. HOLLY
FORT DIX AAB
TOMS RIVER
PHILADELPHIA 266
MOORESTOWN
MILLVILLE 365
ATLANTIC OCEAN
SYRACUSE 53
WASHINGTON 67
NEW YORK 71

EXTENSIVE FLEET, AIR OPERATIONS IN OFF-SHORE AREA TO APPROX. 100 MI. SEAWARD. N. BOUND. U.S.-CANADIAN BORDER, S. BOUND. LAT. 35°00

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

REMAIN ABOVE 3000' NEAR LAKEHURST, ALSO BETWEEN THE NAS AND COAST (INTENSIVE AIRSHIP ACTIVITIES) UNLESS APPROVED BY THE NEW YORK CENTER

ALL FACILITIES IN NEW YORK FLIGHT ADVISORY AREA

SOUTHERN NEW JERSEY

STAR HARBOR
N. Y. OCEANIC ATC
WASH. OCEANIC ATC
MILLVILLE 365
NAS. ATLANTIC CITY 275 RC 142.74 MC
DOWNSTOWN
CAVOLI'S
ATLANTIC CITY
WOODBINE
SMITH
WILDWOOD
CGAS, CAPE MAY
SCALE OF MILES
10 0 10 20 30

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT;210°,4.7	(3);4220,126.18
Fairfield-Suisun AAF (Army)	350(126.18)+	CA(ILS-W)(GCA)	(4); 4220;126.18
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ;160°,2.1	
Hamilton Field	219 (126.18)+	CA :53.13	(3);126.1 4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA	(3); 126.18
Mather Army (H fac.)	476 (DIM)	H ; 216°,0.8	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV,199°,0.2	(4);116.1,122.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-DTV	(3); 116.1
Sacramento Airport	278 (126.18)	C; 22°, 1.7	(4);122.5
SALINAS	266(SB)(vhf)	BMRL-DTV;310°,2.4	(4);116.1,122.1
SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV,291°,3.6	(3);122.1
SANTA ROSA NAAS			DECOMMISSIONED
SAUSALITO FM	(- - - -)	FM, 278°, 17.5	Oakland
STOCKTON	212(JW)(vhf)	BMRL-DTV;285°,3.1	(4);116.1,122.1
NEW RADIO FACILITIES			
SALINAS	109.1(SB)(vhf)	BVAR	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
FAIRFIELD-SUISUN(L6)(A)	110.3	335	210°	IM- (0.3)	MM- (1.13)	OM-	
					MMK-		OMK-
				IM-	MM-	OM-	
					MMK-		OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

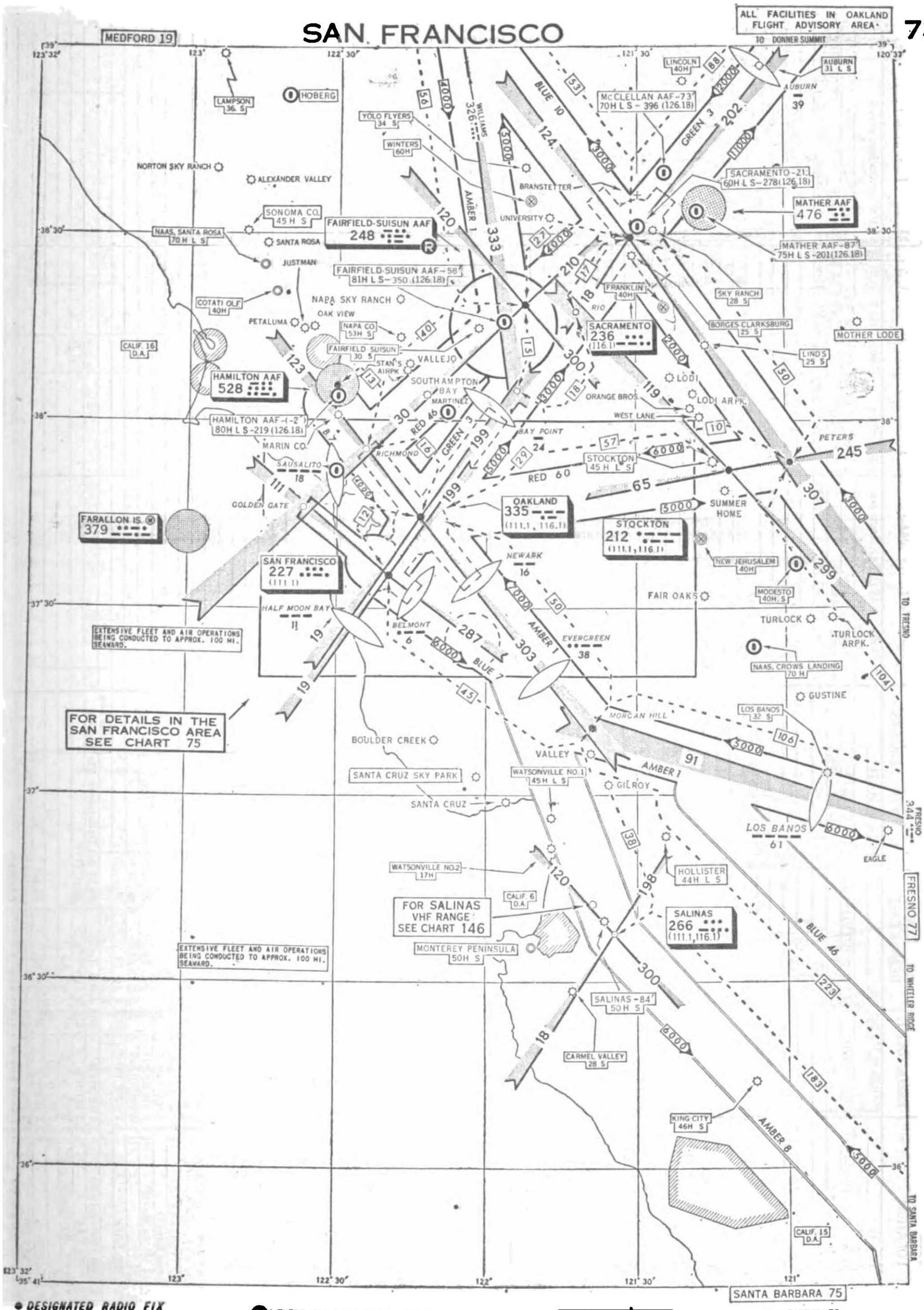
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15	Trees S.
American Legion(Salinas)	1.8 NNW			ABANDONED
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg	2.4 NNE,riv SE	15	27 S6	80 oct.E,SSE blkd.(Clarksburg)
Boulder Creek	3 NW;rd W	810	29 S1	80oct.Lgt planes&exper.pilots only.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver Sur by mtns.
Carmel Valley	12.5 ESE,riv S	450	19 S2	80 oct.
(N) Cotati OLF (N)	1.5 N,RR E	94	39h	INACTIVE. Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	CLOSED
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.
Fairfield-Suisun	1 E,RR N	7	35 S6	80 oct.N,S,W,NW,SW blkd.
(A) Fairfield-Suisun AAF (A)	5.5 NE	58	81h R3(L6)S4	73,100 oct.FOREIGN CLEAR STN.
(A) Franklin (A)	5.5 SSE; riv E	21	40h	CLOSED
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	16 S4	80 oct.No sto.
King City	1.5 NNE,RR W	360	46h S5	80,91 oct.
(P) Kingsbury (Lodi)	See Lodi under "New Airports" name changed.			
(P) Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.
Lincoln	4 NW;hwy S	120	40h S4	80 oct.
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.Poles E.
Lodi Airpark	4.5 SW;hwy E	25	28 S6	80 oct. P-line E.No sto.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE;bay E	2	22 S6	80 oct. Use N pattern.
Martinez	0.8 N,RR S	6	20 S6	80 oct.Hill WSW.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	91	75h R2 L5 S6	91,100 oct. No sto.
MODESTO	2.2 ESE,riv S	100	40h L5 S6	80,91 oct. Lgts prior req. TEMP INACT
(N) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L5 S6	80,91 oct.Lgts prior req NO NAVY
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S. FAC.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	75	20 S6	80, 91 oct. Hwy W Flares req.
(A) New Jerusalem(Tracy)(A)	8 ESE	56	40h	River E. CLOSED prior req.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	20 S1	80 oct.Pole line WNW.
Orange Bros. (Stockton)	5 N; RR E	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
Petaluma	1.7 N,RR E,W	30	15 S4	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct.
(P) Salinas	2.5 SE,RR SW	84	50h R1 L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E,RR W	96	24 S1	80 oct.
(P) Santa Rosa	See Sonoma Co. under "New Airports" - name changed.			
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h	INACTIVE.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S6	80,91 oct.Port rnwy lgts. NE,S,SW/
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. blkd.
State Forestry(Davis)(NC)	3 E,hwy N	28	26	Power line W.
(P) Stockton	4 SSE,RR W,SW	28	45h R1 L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW;crk S	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct. Wire NE
Valley (Morgan Hill)	1.2 S,hwy E	240	17 S1	80 oct. P-line SE.
(P) Watsonville #1	2.8 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW;hwy E	125	23h	
West Lane(Stockton)	4.1 N,RR W	25	25 S6	80,91 oct,W blkd.Wire NW.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	58	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	54 L S6	80,91 oct, Port rnwy lgts. Poles E.
NEW AIRPORTS				
Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.
Santa Cruz Sky Park	5.3 N;hwy E		21h S2	80,91 oct.
Turlock, (Calif.)	4 WSW;RR N	100	18 S1	80 oct.
Turlock Arpk, (Calif.)	1.5 SSE;hwy E	95	15 S2	73,80 oct.
(P) Sonoma Co. (Calif.)	7 NW;RR E	118	45h L5 S6	80,91,100 oct Lgts on req.
Dixon (Calif.)	1.8 NNE;hwy NW	65	21 S2	80 oct. P-line N. Soft when wet.
Southampton Bay Air Harbor (Benecia, Calif.)	2.9 WNW;hwy E	10	24 S3	80 oct. Wires SSE. Soft when wet.
Fair Oaks Sky Nook(Fair Oaks, Calif.)	2.3 S;hwy,RR E	70	21 S4	80,91 oct. ENE blkd.
Gilroy (Calif.)	2 NW;rd E,N	240	25 S2	80 oct. NE,E,SE blkd.
(P) Lodi (Calif.)	6 WSW;RR NE	25	40h S6	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

SAN FRANCISCO



● DESIGNATED RADIO FIX

● NON-COMPULSORY REPORTING POINT

E: EXTREMELY HAZARDOUS

U: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF AIRWAY LEGS INDICATE "U" CHARACTER.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SYM.

SCALE OF MILES
10 0 10 20 30

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C (ILS-W)	(4);126.18,118.5,122.5
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
LEBEC FM	(- -)	FM; 141°, 42	Bakersfield
MOFFETT NAS(Mountain View)	3295	CN(GCA)	(3);126.18, 142.74
MT.VIEW(Navy)(Moffett NAS)	323 (NUG)	BMRLZ; 320°, 1.9	(3);126.18, 142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMHW;123°,16.0	(Cont.) Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV	(4);116.1, 122.1
Oakland Airport	278(126.18,118.7)	AC(ILS)(GCA);199°,0.2	(4);126.18,118.7,122.5
PASO ROBLES	(108.7) (OB)	VARW	
POINT MUGU NAMTC	3295(142.74)	CN	3105,6210;142.74 (8-20)
→ SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV	(3);122.1
San Francisco Airport	269(126.18,118.9)	AC;291°,3.6	(4);126.18,118.9,122.5
SAN FRANCISCO GAP	356 (F)	MHW;285°,10.0	(Cont.) San Francisco
SANTA BARBARA	(108.3)(OY)	VARW	
→ SANTA BARBARA	320(OY)(116.1)	BMRLZ-DTV	(4);116..
Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4);118.7,126.18,122.5,142.74
SAUSALITO FM	(- - - -)	FM; 278°, 17.5	Oakland

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- ·=·=· (3.52)	OM- -- (4.71)
					MMK-	OMK-
OAKLAND	109.9 ·--	333.8	274°	IM- ····· (0.12)	MM-	OM- -- (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay S,W	15	52h R1 L5 S6	91,100 oct.No sto. [illegible]
(A) Allen (Taft)(A)	26 ESE	500	31h	CLOSED
→ Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 S1	80,91 oct. P-line N.
Belmont	0.5 N,RR W	5	30 S6	80,91 oct.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
Concord	1.9 NE,hwy S	104	40h	CLOSED
Contra Costa Co. (Concord)	See Buchanan,Calif. under "New Arpts"-name changed			
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
(A) Estrella AAF(Paso Robles)(A)	4.5 NE	806	50h	CLOSED
(A) Gardner (Taft) AAF (A)	9 ESE,RR SE	444	60h	CLOSED
(A) Half Moon Bay (A)	5.5 NW;hwy E	36	50h	CLOSED Lgts prior req.
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W
(P) Hayward	2 WSW,RR W	25	55h S6	80,91 oct.
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct. [illegible] prior req
La Cresta (Bakersfield)	2.5 NE,riv N	660	36h L S6	80,91 oct.Data unver. Flare pots
(N) Livermore OLF	3.7 E,RR N	626	43h	INACTIVE.
(N) Livermore Sky Ranch	2 WNW,hwy E	448	40 L2	
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	410	45h	CLOSED

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

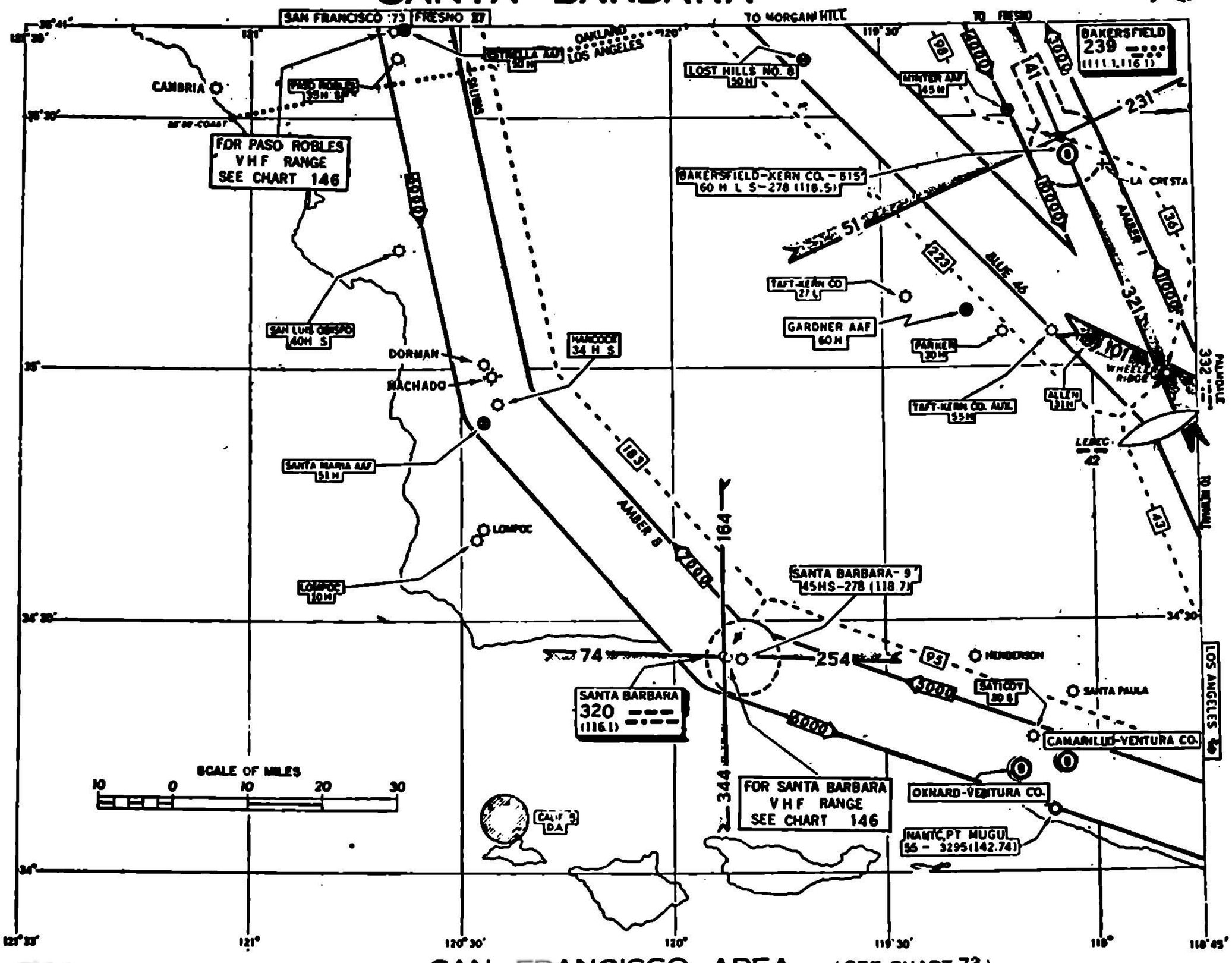
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	70h R2 (L5) S4	91,100 oct.No sto. NATS
Mountain View	2.2 NW,RR W	57	28 S2	80 oct.
→ Oakland Mun.	5 S, hwy 2 NE	5	62h R3 L6 S6	80,91,100 oct. 2-way rdo req.NATS
(P) Oxnard Flight Strip	See Camarillo-Ventura Co. under "New Airports" - name changed.			(Hospital)
Palo Alto	2 ENE,bay E	5	23 S6	80,91 oct. P-line NW,S
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct. Naval Air Missile
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-line E.CLOSED Test Center
Reid-Hillview (San Jose)	4 E,hwy N	140	27 L3 S6	80,91 oct.No sto.or bcn.Poles N,S.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE;bay E	10	80h R2 L5 S6	80,91,100 oct. Rdo rqrd.
San Jose City (San Jose)	2 NW;RR SW	70	18 S6	91 oct,No sto.Pwr line S.
(P) San Luis Obispo	2 SSE;hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE;RR E	6	15 S6	80,91 oct.No sto. Hwy W. P-line SE
San Ramon	2.5 SE;Crk W	440	22 S1	80,91 oct. P-line SE
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Twr S.obst lgtd.
(P) Santa Maria	3.5 S,hwy E	258	51h	No lgts after 10 p.m.
→ Santa Paula	0.8 S;riv S	240	21 L S6	80 oct.Port.strip lgts prior req.P-line
→ Saticoy	1.5 S;RR NW	80	21 S1	80 oct.Trees NE. ENE,WSW.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE;RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
(P) Tracy,mun	3.5 SSW;hwy NW	190	40h	
Ventura County (Oxnard)	See Oxnard-Ventura Co. under "New Airports" - name changed.			
Vernalis	2.3 S	207	70h	
Warm Springs	2.3 SSE,RR W	100	29 S6	91,80 oct.No sto.

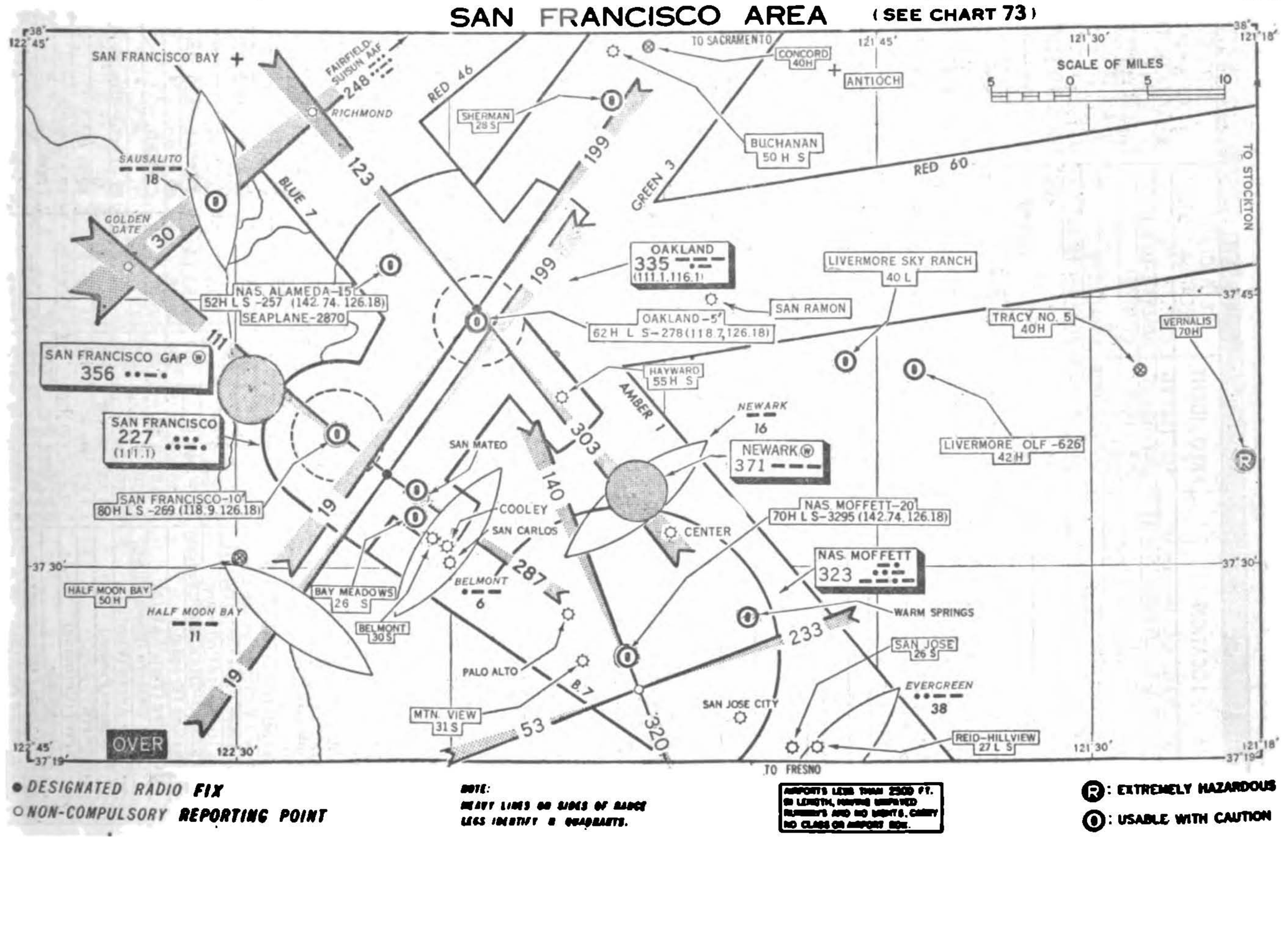
NEW AIRPORTS

Dorman (Santa Maria)	4 N;RR SW	380	23 S1	80 oct.
→ Cooley (San Carlos)	2.9 NNW;RR W	6	20 S1	80,91 oct. Wire SE.Emerg.use.
Machado (Santa Maria)	2.2 N;RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E; road SW	125	26 S4	91 oct.
Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Buchanan (Concord,Calif.)	1.5 NW;hwy N,S	22	50h L S6	80,91 oct. Port lgts. Lgts prior req.
(P) Camarillo-Ventura Co (Calif)	5.5 E;RR S	84	50h	
Oxnard-Ventura Co. (Calif)	1 W;hwy E	44	46h L5 S6	80,91 oct.Lgts to 8:15 on req.
San Francisco Bay (San Rafael,Calif.)	1 E;hwy S		20 S2	Fuel.Data unver.
Center(Centerville,Calif.)	2.1 SSE	62	26 S6	80 oct.Wire WNW

SANTA BARBARA



SAN FRANCISCO AREA (SEE CHART 73)



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF BLOCK LEGS IDENTIFY 8 QUADRANTS.

AIRPORTS LESS THAN 2500 FT. OR LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SYM.

(R): EXTREMELY HAZARDOUS

(1): USABLE WITH CAUTION

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARMITAGE OLF (Inyokern)	3295 (142.74)	CN	(3);126.18,142.74 (days)
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.:
Bakersfield Kern Co.	278 (118.5)	C(ILS-W)	(4); 126.18,118.5,122.5
CASTLE FIELD (Merced)	396 (126.18)	CA	(3); 126.18
DONNER SUMMIT	385 (DS)(116.1)	BMRL-DTV	(4); 116.1
FRESNO (Fresno-Chandler)	344(FT)(116.1)	SBRAZ-DTV;23°,0.9	(4);116.1
➔ MOJAVE NAS			DECOMMISSIONED
TRONA	323 (EW)	SMRAWZ, 349°, 11	

NEVADA

➔ FALLON	230 (VA)	SRAWZ: 219°, 2.9	
➔ GABBS (Int.)			DECOMMISSIONED
HUBBARD FLD (Reno)	278	CI	(4) (8-16 Mon.,Tues,Thurs,Fri; 5-20 Wed,Sat,Sun.)
RENO (Hubbard)	254 (RP)(116.1)	SBRAZ-DTV,161°,3.3	(4); 116.1
TONOPAH (AAF)	221 (RY)+	SRAWZ;168°,2.6	
WADSWORTH FM	(-)	FM, 48°, 27	Reno.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- ●— ●➔ (0.72)	OM-	—— (4.71)
					MMR-		OMK-
				IM-	MM-	OM-	
					MMR-		OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 148.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct. No sto. Pole line NNW, SSE. Port rnwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W; 75' twr E.
Allen (Taft)	26 ESE	500	31h	CLOSED
Amargosa (Death Valley Jct.)	0.7 W;hwy E	2037	22 S1	73 oct. Pole line S.
(N) Armitage OLF (Inyokern)(N)	8 ENE	2218	90h R1 L5 S1	CLOSED
(P) BAKERSFIELD-KERN CO. (Bakersfield)	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Big Pine	3.4 ESE;RR W	4000	43	1500' mts SE; 1000' mts E.
(P) Bishop	2 ENE;riv E	4121	75h	
➔ Boston Land Co.(Westhaven)	1.7SSW;hwy N			ABANDONED.
Bryant (Bridgeport) (NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N; RR W	310	19 S6	80 oct. Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	185	70h R1 L5 S6	91,100 oct. IP-1.
Coalinga	1.5 N;hwy E	664	56h S4	80,91 oct.Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
➔ Corcoran	1.3 WNW;hwy S	200	37 S4	80,91 oct.Pwrline NE,SE,SW,NW.
➔ Cornell (Porterville) (NC)	2.4 SSW;RR E			ABANDONED.
➔ Death Valley (Furnace Creek)	1 WNW	-178	40 S2	80,91 oct.Data unver.Closed May 1 to Oct 15.
➔ Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
(P) Delano-Kern Co(Delano)	1.5 SE;RR W	315	60h S1	80,91 oct.
FRESNO-CHANDLER(Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct.
(A) Gardner (Taft) AAF (A)	9 ESE;RR SE	444	60h	CLOSED.
Great Western (Reedley)(NC)	5 N;RR W	380	20	
➔ Green Acres (Visalia)	1.5 NW;RR S	300	28 S6	80,91 oct.P-line NW,Trees SE.
(P) Hammer (Fresno)	4.8 NE;rds N,E	331	71h	
➔ Hanford	1.2 SE ;hwy W	246	21 S6	80,91 oct.
➔ Harvey (Corcoran)	See Baldwin under "New Airports" - name changed.			
Independence	0.9 N;hwy W	3926	29	Trees S.
(P) Inyo County (Manzanar)	0.5 E;hwy W	3775	50h L5 S2	80 oct. All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW;RR E	2455	72h S4	NAVY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
➔ Kleinhammer (Lemoore)	1.2 N;hwys S	225	18 S6	80 oct. req.
➔ La Cresta (Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct.Data unver.Flare pots prior
Lemoore	9 SW;RR NW	247	35h	Emerg only.
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED.
Madera	3.5 WNW;hwy E	271	45h L5 S4	80,100 oct. Lgts prior req.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) MERCED MUN.	1.6 WSW;RR NE	152	40h L5 S6	80,91 oct. Lgts prior req.
Merced #1	2.5 NW;RR SW			ABANDONED
(A) Minter (Bakersfield) (A)	13.5 NW;hwy E	410	45h	CLOSED.
(N) Mojave NAS (N)	0.7 E;hwy W	2751	59h	CLOSED.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USFS (NC)
➔ Newton (Stratford)	2.7 SSW;hwy N	194	22 S6	80,91 oct. P-line NNW.
Paiva Intercity (Parlier)	1.5 WSW;RR NE	330	27 S4	80 oct. Poles ESE
Parker (Taft)	15 SE	550	30h	
➔ Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S6	80 oct.
(P) Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
Sequoia (Visalia) (NC)	8.5 NNW;RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RR adj E	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28 S6	80,91 oct.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N;RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USFS (NC)
Trona	5 NE;rd W	1716	60 L3	Fld sur by mtns.
★ Truckee Int, 16B, SF-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec. - April.
Tulare	2.9 SSE;RR W	300	20 L S6	80,91 oct. No sto.Port rnwy lgts.
Tunnel (Olancha) USFS (NC)	16.5 WNW;riv S	9100	13	Mtns - timber 2000' NE Closed to Public
(P) Visalia	.5 W; RR W	292	60h	
➔ Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S Ctn-cattle on fld.
Wishon (Bass Lake) USFS	1.5 WNW	3380	22 S1	80 oct. Trees NNW.Closed to Public
Woodlake	2.6 ESE;lake NW	450	40 S4	80 oct. No sto.

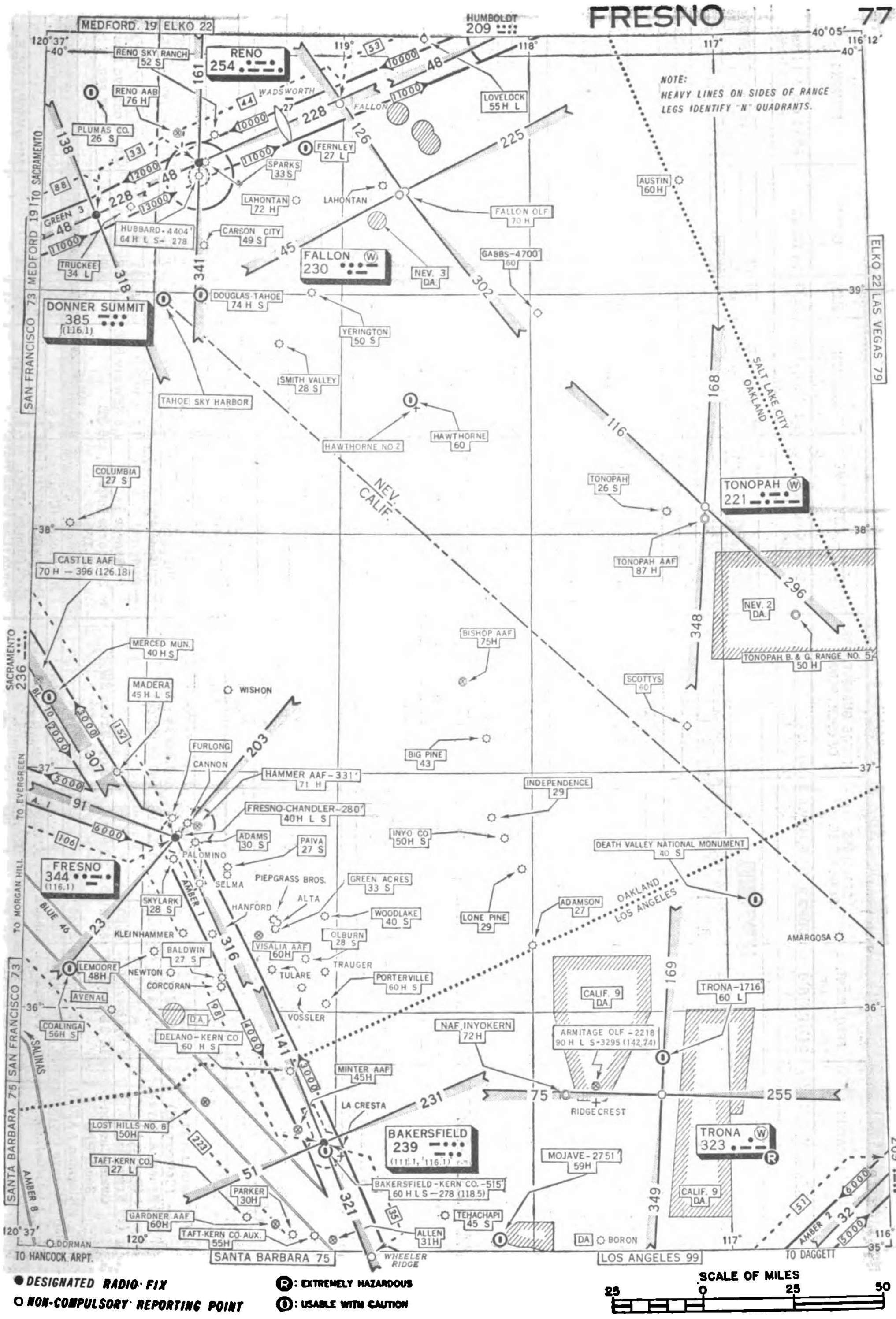
NEVADA

Austin OLF	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct. Mtns N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h L5 S6	80,91 oct.
★ Fernley Int, 22, SF-SL	3.3 E;hwy NW	4156	27 L2	
(N) Fallon	6 SE;hwy S	3931	70h L5 S4	80,91 oct.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60	
(N) Hawthorne (N)	2 N;lake NNW	4200	60 L	Emerg. lgtg on 1/2 hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	34h R2 L5 S4	80,91,100 oct.
Lahontan (Fallon)	1.4 SSW;hwy W	3980	24 S4	80 oct. Poles ENE,WSW.Hwy W
(P) Lahontan Flight Strip(Fernley)	15.5 S;hwy N	4279	72h	
Lovelock, Site 26, SF-SL	9 SSW;RR NW	3906	55h L5	
➔ Manhattan (NC)	6.8 W;hwy W	5850	44	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	Mtns sur fld. CLOSED.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
★ Scottys Int, 22, RV-ND	9 SSE Gold Pt.	4300	60	
Smith Valley	1 ESE;hwy N	4850	28 S6	73, 80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
Tahoe Sky Harbor (Genoa)	6 WSW;RR N	6230	42 S1	80 oct. E blk.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5426	87h	TMP INAC NO FACS.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;hwy S.	4483	50 S1	73 oct.

NEW AIRPORTS

Hawthorne No. 2, (Nev.)	NE city limits	4200	27 S1	80 oct.Hi-line S.Data unver.
Alta (Dinuba,Calif.)	4.3 E;RR S	360	23 S6	80 oct.P-line SE.
Selma (Calif.)	2.6 E;rd N	315	25 S4	80 oct.No sto.P-line NW
Palomino (Selma,Calif.)	6.5 WSW;RR W	267	18 S2	80 oct.Fence,trees W.
➔ Baldwin (Corcoran,Calif)	2.7 NNW;RR W	200	27	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)NC-(not charted). ➔ NEW OR REVISED DATA


MEDFORD 19
ELKO 22
HUMBOLDT 209
RENO 254
RENO SKY RANCH 52 S
RENO AAB 76 H
PLUMAS CO. 26 S
WADSWORTH
FALLON
LOVELOCK 55 H L
FERNLEY 27 L
SPARKS 33 S
LAHONTAN 72 H
LAHONTAN
AUSTIN 60 H
FALLON OLF 70 H
HUBBARD-4404' 64 H L S-278
CARSON CITY 49 S
FALLON 230 (W)
GABBS-4700 60
NEV. 3 DA
TRUCKEE 34 L
DONNER SUMMIT 385 (116.1)
DOUGLAS-TAHOE 74 H S
YERINGTON 50 S
SMITH VALLEY 28 S
TAHOE SKY HARBOR
HAWTHORNE NO 2
HAWTHORNE 60
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
SALT LAKE CITY
OAKLAND
COLUMBIA 27 S
NEV.
CALIF.
TONOPAH 26 S
TONOPAH (W) 221
TONOPAH AAF 87 H
CASTLE AAF 70 H — 396 (126.18)
TONOPAH B. & G. RANGE NO. 5 50 H
NEV. 2 DA.
BISHOP AAF 75H
SCOTTYS 60
MERCED MUN. 40 H S
MADERA 45 H L S
WISHON
BIG PINE 43
INDEPENDENCE 29
HAMMER AAF-331' 71 H
FRESNO-CHANDLER-280' 40 H L S
ADAMS 30 S
PAIVA 27 S
PALOMINO
INYO CO 50H S
DEATH VALLEY NATIONAL MONUMENT 40 S
FRESNO 344 (116.1)
SELMA
PIEPGRASS BROS.
GREEN ACRES 33 S
SKYLARK 28 S
HANFORD
ALTA
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
OAKLAND
LOS ANGELES
KLEINHAMMER
OLBURN 28 S
VISALIA AAF 60H
AMARGOSA
BALDWIN 27 S
LEMOORE 48H
NEWTON
TRAUGER
TULARE
PORTERVILLE 60 H S
CORCORAN
CALIF. 9 DA
TRONA-1716 60 L
AVENAL
VOSSLER
COALINGA 56H S
D.A.
DELANO-KERN CO 60 H S
NAF, INYOKERN 72 H
ARMITAGE OLF-2218 90 H L S-3295 (142.74)
MINTER AAF 45H
LA CRESTA
RIDGECREST
LOST HILLS NO. 8 50H
BAKERSFIELD 239 (111.1, 116.1)
TRONA (W) 323 (R)
TAFT-KERN CO. 27 L
BAKERSFIELD-KERN CO.-515' 60 H L S—278 (118.5)
MOJAVE-2751' 59H
CALIF. 9 DA
PARKER 30H
TEHACHAPI 45 S
GARDNER AAF 60H
TAFT-KERN CO. AUX. 55H
ALLEN 31H
DORMAN
BORON
TO HANCOCK ARPT.
SANTA BARBARA 75
WHEELER RIDGE
LOS ANGELES 99
TO DAGGETT
SILVER LAKE 269
SACRAMENTO 236
SAN FRANCISCO 73
MEDFORD 19
TO SACRAMENTO
TO EVERGREEN
TO MORGAN HILL
SAN FRANCISCO 73
SANTA BARBARA 75
SALINAS
AMBER 8
ELKO 22
LAS VEGAS 79
120°37'
116°12'
40°
39°
38°
37°
36°
35°
117°
118°
119°
161
138
33
88
12000
48
228
13000
11000
44
27
10000
53
126
225
45
341
318
302
168
116
348
307
203
91
106
6000
23
316
141
3000
5000
1500
2000
98
51
231
75
255
223
321
349
169
32
296
BLUE 46
AMBER 1
AMBER 2
A. 1
B1
TO 2000
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

RADIO

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Love)	347(PN)(116.1)	SBRAZ-DTV,142°,5.5	(4), 116.1

CALIFORNIA

NEEDLES	400(NJ)(vhf)	BMRLZ-DTV,195°,2.2	(4);116.1,122.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-DTV,132°,1.9	(4), 116.1

NEVADA

CRYSTAL FM	(-)	FM; 28°,30	Las Vegas
GOODSPRINGS FM	(- - -)	FM; 203°,33	Las Vegas
LAS VEGAS	206(LQ)(vhf)	SBMRAZ-DTV;34°,1.9	(3);116.1,122.1
Las Vegas AAF	278(126.18,118.7)+	C (ILS)	(4);118.7,126.18,122.5 (8-midnite)

UTAH

BRYCE CANYON (Int.)	108.3(BV)(vhf)	BVAR-DPTV;35°,0.8	3117.5; 122.1,116.1,129.7 cont. 4495,6210 req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-VDT,20°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-VT,20°,1	(4), 116.1
ST.GEORGE	108.7(GX)(vhf)	BVAR-DPV;229°,7.8	3117.5;116.1,129.7, 122.1 cont.(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM: 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LAS VEGAS AAF	110.3 .-.. ---.	335	25°	IM	MM .---(0.66)	OM -- (4.2)	
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3106, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L2	
(P) Clemenceau (Cottonwood)	1.7 SSW,hwy NE RR bed N	3400	27 L1 S6	80 oct.Smokestack 4000' SE.Sur by mtns.
(P) Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
(P) Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14 3S;hwy 2W	6362	53 S2	80 oct.Trees SW.
(A)Kingman AAF(A)	8.5 NE,hwy NW	3446	65h	CLOSED
Mohave Co.(Kingman)	6.5 NW,hwy E	2850	37	Not maintained.
Port Kingman (Kingman)	3 NE,RR S,E	3453	54 L3 S6	80,91 oct.All lgts prior req.S blocked.
(P) Valle	2.3 E;hwy E	5990	61 L3	Lgts prior req.Soft when wet
Verde Valley(NC)	1.8 SE,riv W	3400	30	(Cottonwood)
Williams	4.3 N,RR E	6600	39 S6	80,91 oct. Mts SW.
(P)Yucca	1.5 NE,RR W	2030	60h	

CALIFORNIA

* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
Needles	5.5 S,hwy E	990	58h R1 L3	
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE
* Silver Lake Int,18, LA-SL	2.5 SSE,RR E	917	40 R1 L3	Rnwy data unverif.

NEVADA

Alamo (Las Vegas)	5.5 SSW,RR SW	2000	50 S4	73,80,91 oct.
BOULDER CITY	1.8 SW,RR W	2446	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3123	67h	TMP INACT NO FACS
(A) Las Vegas	7.8 NE,hwy NW	1890	65h R3 L6 S1	100 oct.ARMY TEMP INACT.
* Mormon Mesa Int, 31B,LA-SL	6 ENE Glendale	2068	40 L3	
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	See Hoot Gibson's D4C Ranch under "New Airports" - name changed.			
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas)

UTAH

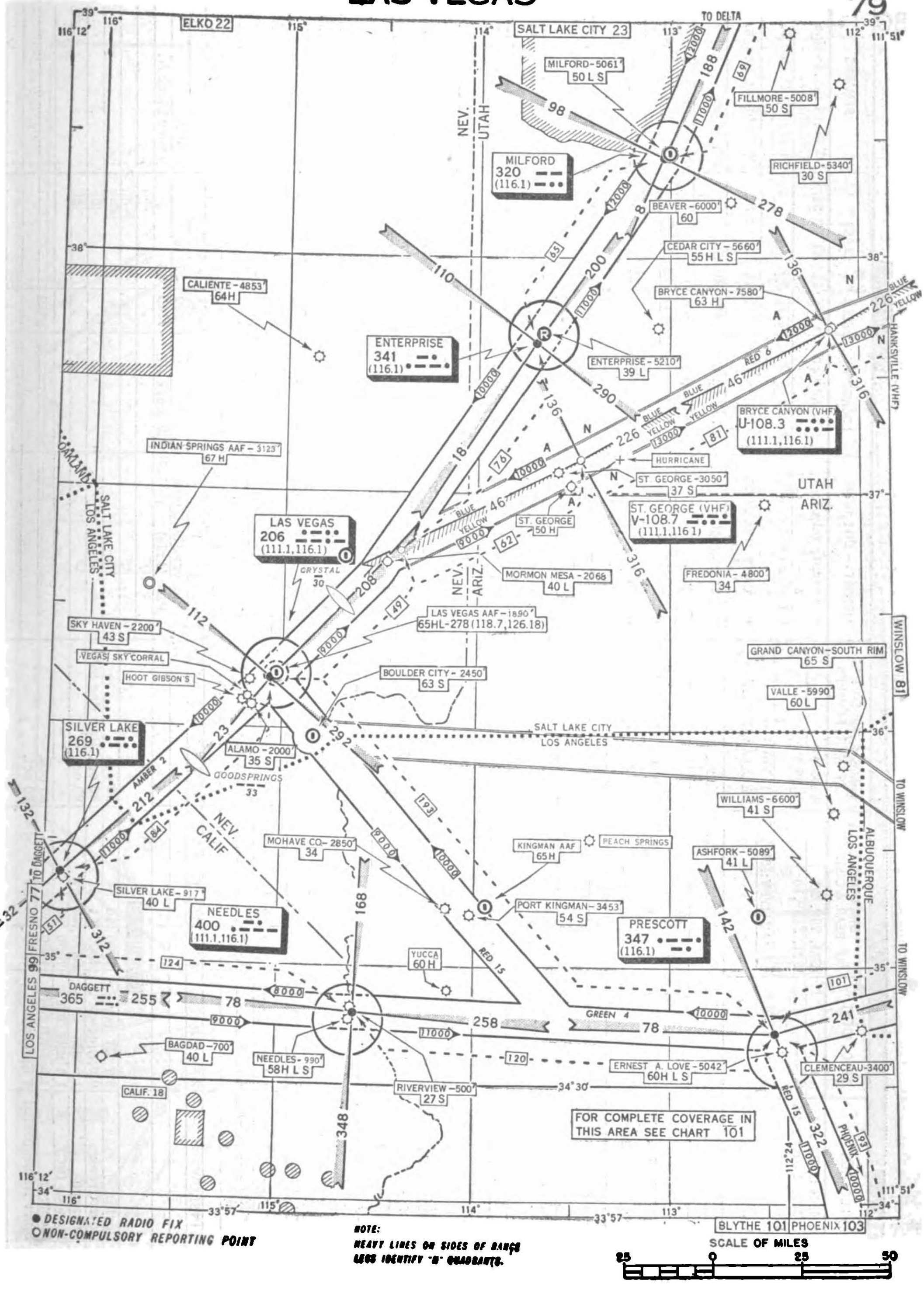
Beaver	3.2 SSW,hwy E	6000	63	Hills SE.
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
Cedar City	2.3 NW,hwy W	5660	55h L2 S6	80,91 oct.
* Enterprise Int,39	8 NNE,hwy 1N	5210	39 R1 L3	LA-SL Soft when wet.
Fillmore	2 WSW,hwy SE	5008	50 S2	80 oct. Unsafe lgt acft.
Milford,45,LA-SL	2.3 NNW,hwy E	5061	37 L3 S2	80 oct.
Richfield	1.8 SSW,RR E	5340	31 S6	80 oct. P-line SE,NW
St.George	1.5 SSW,riv SSE	3050	37 L3 S6	80,91 oct.Fld lgts prior req.
* St.George Int,36, LA-DV	6 SE		50h	

NEW AIRPORTS

Hurricane (Utah)	2 S	3400	25	Obsts E.Data unver.
Dewey-Humboldt(Ariz)	1 E	4265	29	
Hoot Gibson's D4C Ranch (Las Vegas,Nev)	5.5 SW;RR E	2200	24	Mtns WSW,ENE,E.
Wickenburg (Ariz)	3 NW;hwy W	2300	32	
Peach Springs (Ariz)	1.2 N;hwy SE	4825	23	P-line ESE,SW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page VIII) NC-(not charted) NEW OR REVISED DATA.

LAS VEGAS


ELKO 22
SALT LAKE CITY 23
TO DELTA
MILFORD - 5061'
50 L S
FILLMORE - 5008'
50 S
RICHFIELD - 5340'
30 S
MILFORD
320
(116.1)
BEAVER - 6000'
60
CEDAR CITY - 5660'
55 H L S
BRYCE CANYON - 7580'
63 H
CALIENTE - 4853'
64 H
ENTERPRISE
341
(116.1)
ENTERPRISE - 5210'
39 L
BRYCE CANYON (VHF)
U-108.3
(111.1,116.1)
HURRICANE
ST. GEORGE - 3050'
37 S
UTAH
ARIZ.
ST. GEORGE (VHF)
V-108.7
(111.1,116.1)
ST. GEORGE
50 H
INDIAN SPRINGS AAF - 3123'
67 H
LAS VEGAS
206
(111.1,116.1)
CRYSTAL
30
MORMON MESA - 2068
40 L
FREDONIA - 4800'
34
LAS VEGAS AAF - 1890'
65HL-278 (118.7,126.18)
SKY HAVEN - 2200'
43 S
VEGAS SKY CORRAL
HOOT GIBSON'S
BOULDER CITY - 2450'
63 S
GRAND CANYON-SOUTH RIM
65 S
VALLE - 5990'
60 L
SILVER LAKE
269
(116.1)
ALAMO - 2000'
35 S
GOODSPRINGS
33
SALT LAKE CITY
LOS ANGELES
WILLIAMS - 6600'
41 S
MOHAVE CO - 2850'
34
KINGMAN AAF
65 H
PEACH SPRINGS
ASHFORK - 5089'
41 L
SILVER LAKE - 917'
40 L
NEEDLES
400
(111.1,116.1)
PORT KINGMAN - 3453'
54 S
PRESCOTT
347
(116.1)
YUCCA
60 H
DAGGETT
365
255
BAGDAD - 700'
40 L
NEEDLES - 990'
58 H L S
ERNEST A. LOVE - 5042'
60 H L S
CLEMENCEAU - 3400'
29 S
CALIF. 18
RIVERVIEW - 500'
27 S
FOR COMPLETE COVERAGE IN THIS AREA SEE CHART 101
BLYTHE 101
PHOENIX 103
SCALE OF MILES
25 0 25 50
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.

RADIO — ARIZONA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM	(- - -)	FM, 243°,18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-DTV;160°,1.5	(4), 116.1
→ Winslow Airport			DECOMMISSIONED
NEW MEXICO			
ACOMITA (Int.)	371(AK)(116.1)	BMLZ-DTV,254°,1.9	(4);116.1,122.1
EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-DTV,78°.0.1	(4);116.1,122.1
UTAH			
HANKSVILLE Int	109.1(HY)(vhf) (116.1)	BVAR-DPV;314°,2.8	(3) on req,3117.5;116.1, 129.7,122.1

S-Simul. Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

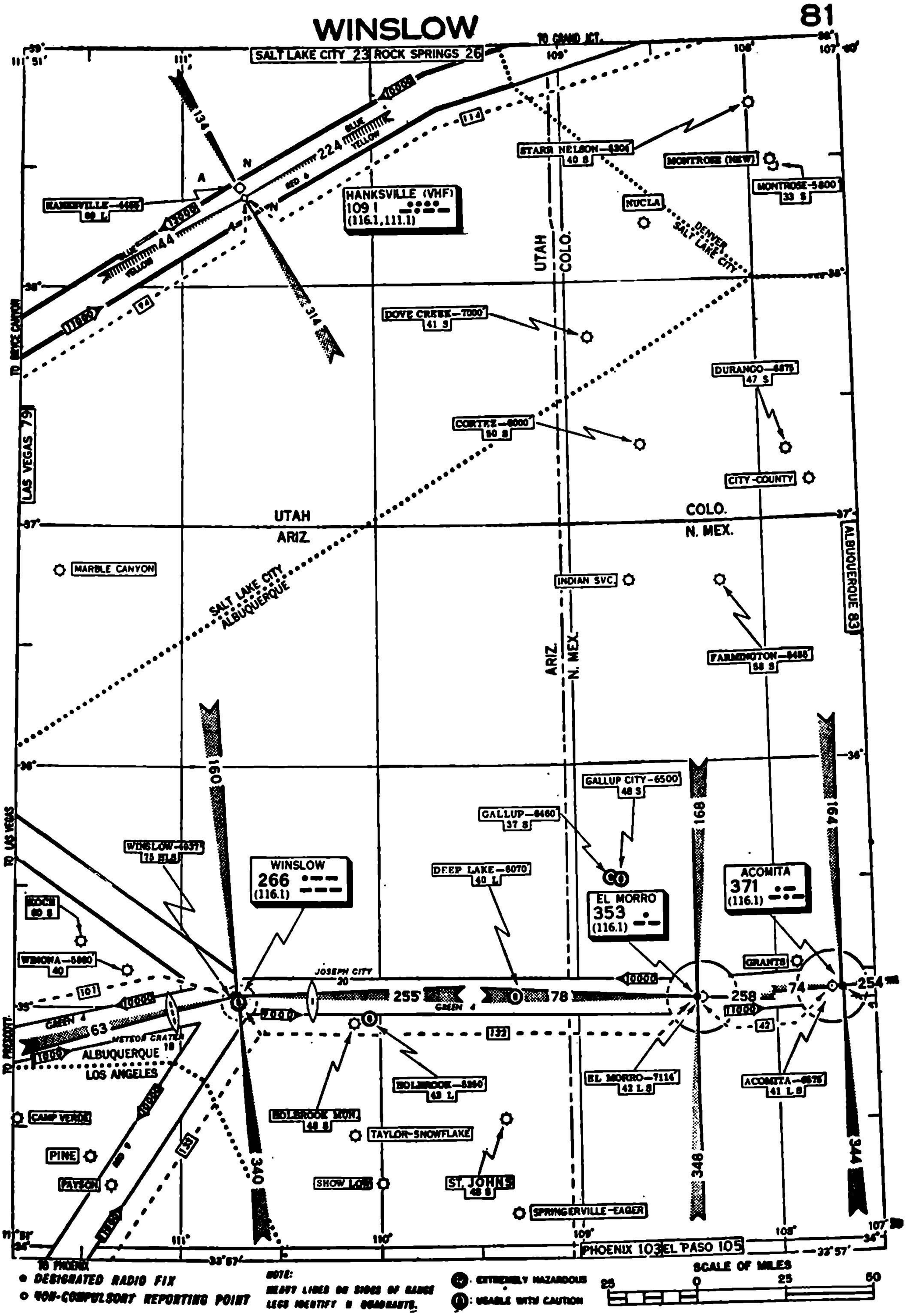
AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1 8 NE;riv 1 S	4200	40 S1	80 oct Rough.Not maintained.
★ Deep Lake Int,54A, LA-AQ	0.5 W	6070	35 L3	Poles S. Emerg only.
Holbrook	2.2 NNE;RR SE	5200	50 S6	80 oct.
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L5	no flood lgts
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S6	80 oct.
→ St. Johns	1.1 NNW,hwy S	5560	48 S2	80 oct P-line SE;fence
→ Window Rock(NC) (St.Michaels)	2 ESE	6800	52	NE appch hazardous
(P) WINSLOW	2 SW;RR N	4937	75h R1 L5 S4	80,91 oct.No flood lgts
COLORADO				
(P) Cortez	3.1 SW;hwy E	6000	50 S4	80 oct.
Dove Creek	0.6 E;creek W	7000	41 S1	80 oct. Pwr line SSW
(P) Durango	1.5 NE	6875	47 S6	80 oct.
Mancos (NC)	1.4 NNE;RR S	7500	30	
→ Montrose	1.3 S,RR NE	5800	33 S4	80 oct.
(P) Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.

NEW MEXICO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy 1 N	6573	41 R1 L3 S1	73,80,91 oct.P-line NNE.Rough.
Cubero (NC)	2.4 W;hwy S	6192	30	PRIVATE.P-line S.
★ El Morro Int,59B, LA-AQ	4.5 WSW;lk 1 WSW	7114	42 R1 L3 S1	73,80,91 oct. Rough.
Farmington	1.4 NW on mesa	5495	80 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Twr,p-line SSW.
Gallup City	2.6 WSW;RR N	6500	48 S6	80 oct P-line SW,WSW, NW,SE.
Indian Service (Shiprock) (NC)	1.6 SSW;hwy W	5100	29	P-line NW,SW.
UTAH				
★ Hanksville Int,54, LA-DV	4 NE	4480	60 L3	Ngt landings on lgtd E/W strip only.
Monument Valley (Goulding Trading Post)(NC)	0.5 N hwy E	5284	30	
NEW AIRPORTS				
→ Montrose (new)(Colo)	1.5 NNW;hwy S	5780	58 S2	80,91 oct.
Nucla, (Colo.)	2.3 SSW;riv S	5910	36	
Aztec, (N.M.) (NC)	2.2 NW on mesa	5700	28	Emerg only.
City Co. (Durango, Colo.)	10.6 SSE;riv NW	6660	54 S1	91 oct.
Show Low,(Ariz.)	2 ENE;hwy S	6400	45 S4	80,91 oct.
Marble Canyon (Cameron,Ariz)	66 NNW;riv E	3580	37 S4	80 oct.NE appch hazardous
Camp Verde (Ariz)	1.6 SSE;rd N	3100	42	Emerg. use only.
Payson (Ariz)	2 NNW;cyn N	5077	31	Trees E.Soft when wet.
Taylor-Snowflake (Taylor,Ariz)	2 W;rd N	5640	26 S2	80 oct.Poles SSE,NNW.
Grants Landing Strip (N.M.)	2.3 W;RR 1 NE	6600	28	Loose sand in spots.
Winona (Ariz)	8.9 ESE;hwy N	5880	40	
Springerville-Eager (Ariz)	1.5 W	7000	37 S1	80 oct.
→ Pine (Ariz)	0.8 S;crk NE	5500	25	Trees block N.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC) Not charted. → NEW OR REVISED DATA.

WINSLOW


SALT LAKE CITY 23
ROCK SPRINGS 26
TO GRAND JCT.
134
224
BLUE YELLOW
114
HANKSVILLE (VHF)
109
(116.1, 111.1)
STARR NELSON—6200
40 S
MONTROSE (NEW)
MONTROSE-5800
33 S
NUCLA
DENVER SALT LAKE CITY
UTAH
COLO.
44
BLUE YELLOW
92
314
TO BRYCE CANYON
DOVE CREEK—7000
41 S
DURANGO—6675
47 S
CORTEZ—6000
50 S
CITY-COUNTY
LAS VEGAS 79
UTAH
ARIZ
COLO.
N. MEX.
ALBUQUERQUE 83
MARBLE CANYON
SALT LAKE CITY
ALBUQUERQUE
INDIAN SVC.
FARMINGTON—6455
58 S
ARIZ
N. MEX.
160
GALLUP CITY—6500
48 S
GALLUP—6460
37 S
168
164
TO LAS VEGAS
WINSLOW—6537
75 H,S
WINSLOW
266
(116.1)
DEEP LAKE—6070
40 L
EL MORRO
353
(116.1)
ACOMITA
371
(116.1)
ROCK
69 S
WINONA—6980
40
101
GREEN
63
METEOR CRATER
18
ALBUQUERQUE
LOS ANGELES
JOSEPH CITY
20
255
GREEN
78
258
74
254
GRANTS
42
132
BOLLBROOK—6360
43 L
BOLLBROOK MON.
48 S
TAYLOR-SNOWFLAKE
SHOW LOW
ST. JOHNS
48 S
EL MORRO—7114
42 L,S
ACOMITA—6575
41 L,S
348
344
CAMP VERDE
PINE
PAYSON
153
340
SPRINGERVILLE-EAGER
PHOENIX 103
EL PASO 105
TO PHOENIX
SCALE OF MILES
25 0 25 50
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS INDICATE B BOUNDARYS.
EXTREMELY HAZARDOUS
USABLE WITH CAUTION

ALBUQUERQUE

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS, FREQS. GUARDED, HRS OF OPERATION
* Adrian Int,92B,LA-AQ	4.2 SSE;RR N	4136	37 L3	(Texas)
Alameda (Albuquerque)	7.4 N;RR E	5400	37	(N M)
Alamosa (Colo)	2 S;hwy W	7550	58 L3 S4	80 oct Fld lgts prior req
ALBUQUERQUE Range (Kirtland)(N.M.)	230(AB)(vhf)	354°,3.1	SBRAZ-DTV	(3);116.1,122.1
Albuquerque (N.M)	6.3 ESE;hwy N	5429	62	RFC surplus acft fld
AMARILLO Range (Tex) (English)	251(AQ)(vhf)	77°,2.0	SBRAZ-DTV	(3); 116 1, 122 1
Amarillo (Tex)	6 ENE; hwy S	3610	52 S6	80,91 oct.P-line sur fld
* Anton Chico Int,78A,LA-AQ	4.5 SE;hwy E	5281	43 L3	(N.M)
Art Goebel (Belen,N.M.)	3.2 W;RR E	5100	39 S1	80,91 oct
Belen Air Strip (N.M.)	2.7 N; RR E	5000	30 S1	73 oct
Bobcat (Dimmit,Tex)	1.5 E;RR W	3850	33 S2	73 oct
Boise City (Okla)	3 N;hwy W	4200	33	
Clayton (N.M.)	1.5 E; RR N	5006	42 S4	73 oct P-line N,W
Claude (Tex)	1.2 WNW;RR N	3410	32 S1	80 oct.P-line N,SE,S,W,NW.
Clover (Hereford, Tex)	2.2 NNE;hwy S	3800	28 S2	73 oct P-line N,E,SE
CLOVIS Army Range (N.M.)	203 (DCV)	34°,6.2	MRAZ	(3)
CLOVIS H Fac. (N.M.)				DECOMMISSIONED
CLOVIS AAF Tower (N.M.)	396 (126.18)		CA	(3);126.18(daylgt hrs.)
(A) Clovis AAF (N.M.)(A)	6.5 W;RR N	4300	100h	TMP INACT.NO FACS.
Clovis (N.M.)	0.8 NW;RR S	4247	26	
Cochran Co.(Morton,Tex)	1.5 E;rd W	3750	30	P-line E,S
Costilla Co.(Mesita,Colo)	4 E;RR W	7750	75	
Creede (Colo)	2 SSE;hwy NW	8800	50 S2	No fuel.Rough off strips
(P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	60h L2	(N.M.) Data unver
* Cuero Int,81B,LA-AQ(N.M)	5 N	4734	40 L3	Poles W,lgtd
Cutter-Carr #2 (Albuquerque, N.M.)	3.6 NE;RR W	5120	46	P-line ENE
Dalhart (Tex)	6.2 SSE;RR E			ABANDONED
Dalhart Mun. (Tex)	3.8 SSW;RR N	3989	49h	
(A) Dalhart #1 (Tex) (A)	9.7 WSW;RR E	4096	81h	CLOSED-NOT MAINT.
(A) Dalhart #2 (Tex) (A)	5.5 NE;hwy NW	3974	80h	CLOSED-NOT MAINT
(P) Dumas (Tex)	0.7 S;hwy W	3649	30 L S2	73 oct.Poles N.Flood
Eagle Nest Landing Strip (N.M.)	1 NE	8450	40	11,000' mts NE. lgts Use in emerg
ENGLISH Tower (Tex)	278 (118.5, 126,18)		AC (ILS)	(4); 126.18,118 5, 122.5
(A) English (Amarillo,Tex)	9 ENE;RR N	3602	50h L6 S6	80, 91 oct.;100 oct Army P-line N,NW
(P) Ft. Sumner (N.M.)	1,5 NE;RR S	4166	60h S6	80 oct
Ft. Sumner #5 (N.M.)	16 ENE	4830	60h	
Graham-Bell (Albuqu'que)	4.5 ENE	5400	27 S6	73,91 oct (N.M.)
Griffin (Walsh, Colo)	0.7 N;RR S	3950	34 S6	80 oct Poles S,N.
Gruver (Tex)	0.7 WNW;RR E	3200	40 S1	80 oct P-line W,E,SE,
(P) Guymon (new)(Okla)	3 SW;hwy N	3140	34 S6	80 oct.P-line N, SW E
Guymon (Okla)	0.7 S;RR W	3130	21	CLOSED
(P) Hale Co.(Plainview,Tex)	1.6 S;hwy E	3370	37 S6	80, 91 oct.
Harnagel (Borger,Tex)	2.5 SSW;RR N	3140	25 S2	80 oct Use strips RR E
Hillcrest (Clovis, N.M.)	2.1 E;RR S	4244	36 S4	73 oct No sto P-line S
Holbrook's (Cuervo,N.M.)	0.8 NE;RR S	4810	19	300' mtn SE P-line SSE
Ira Benger (Friona,Tex)	1.8 NE;RR S	4000	28 S2	73 oct
NEW FACILITIES				
Langhorn(Morairty,N.M)	8.3 ENE;hwy N	6150	33	P-line N
Estancia (N.M)	1.5 NNW;RR 0 5 E	6100	36	Ctn-cattle on fld.P-line NE,E

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS, FREQS. GUARDED, HRS OF OPERATION
Johnson (Kans)	0.5 N;hwy W	3330	28 S6	80 oct P-line N,NW,NE,
Kerrick (Tex)	1.5 N;RR SW	3850	19 S1	80 oct P-line SW S
KIRTLAND Tower (N.M.)	278 (126.18, 118.7)+		AC (ILS)	(4); 126 18, 118 7, 122 5
(A) [Kirtland](Albuquerque, N.M.) (A)	3.8 SSE;rd N	5330	102h L6 S6	87,91,100 oct.
(A) La Junta AAF (Colo) (A)	4.4 NNE;rd W	4262	80h	CLOSED
La Junta Bridges (Colo)	See Bridges Arpt under "New Facilities"-name changed			
(P) Lamar,10,PU-WD (Colo)	3.7 WSW;RR N	3673	42 L2 S4	80 oct.canal N
Las Animas (Colo)	1.4 S.hwy 1 N	3900	31 S4	80 oct P-line W,NW.
LAS VEGAS Range (N.M.)	359(VH)(115.1)	8°, 3.2	SBMRAZ-DTV	(4);116.1,122.
[Las Vegas] (N.M.)	6 NE, RR 2 W	6857	64h L5 S6	80, 91 oct.Flood lgts on req Use strips only
Maxwell (N.M.)	1.7 N;hwy E	5000	36	
Monte Vista (Colo)	3.5 W,RR N	7710	55 S4	80 oct
Mountainair (N.M.)	1.1 NNE,RR S	6600	28	P-line N Horses on fld
Muleshoe (Tex)	1 ENE,hwy N	3800	42 S1	73 oct
Municipal (Spearman,Tex)	0.8 NW;RR SE	3104	30	P-line SW
OTTO Range (N.M.)	290(OT)(116.1)	74°,0 2	BMRLZ-DTV	(4);116.1,122.1
* Otto Int,74,LA-AQ (N.M.)	5.8NE Moriarty	6226	41 L3 S1	Ltd 91 oct.
Puckett's com.(Lakin,Kans)	3.5 S;riv N,NW	3050	26 S1	Ltd 80 oct Trees N
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	P-line NE,E. (Colo)
Romer (Holly, Colo)	1.5 SSE;riv N	3360	30 S2	Ltd 80 oct.P-line SW,NW,
Roy (N.M.)	1.5 N;RR W	5900	26	PRIVATE Post NE
SANTA FE H Fac. (N.M.)	206(SJ)(116.1)		MHTV	(4);116.1,122.1
[Santa Fe] (new)(N.M.)	9.8 WSW; hwy SE	6308	63h L5 S1	91 oct.airlines Poles E Rnwy lgts on req
Santa Fe (old)(N.M.)	6.3 SW;hwy E	6550	45h S6	73,80 oct ;91 oct.emerg
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct No sto (N.M.)
Springfield,Com.(Colo)	3.8 N;hwy W	4350	34	Poles NW,W,SW.
Stinnett (Tex)	0.6 NNE;RR E		30	Data unver
Syracuse (Kans)	1 N;riv S	3320	36 S2	80 oct P-line S,SE
* Syracuse Int,16,PU-WD	3.7 NNE;hwy W	3410	46 L3	(Kans.)
Taos (N.M.)	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW
Texhoma (Tex)	1 SSW;RR N	3460	30 S2	73,91 oct P-line N
Tradewind (Amarillo,Tex)	2.5 S,RR NW	3636	32 S6	80,91 oct. P-line SW
TRINIDAD Range (Colo)	329(TD)(vhf)	170°,3.0	SBMRAZ-DTV	(4);116.1,122.1
Trinidad (Colo)	10.5 ENE	5756	34 L1 S4	80 oct Use rnwys only
TUCUMCARI Range (N.M.)	212(TC)(116.1)	76°,2 2	SBMRAZ-DTV	(4);116.1.122.1 Hwy E
Tucumcari (N.M.)	7 E;hwy,RR S	4064	51h L5 S6	80,91,100 oct
(P) Tulia (Tex)	1.5 NNW;RR W	3500	32 S1	80 oct.P-line NE,E,SE
Wagon Mound (N.M.)	0.6 WNW;RR E	6500	21	Fence N;mtns SE,W
West Mesa (Albuquerque)	3.8 W;hwy S	5100	60 S6	73,80 oct (N.M.)
West Texas State (Canyon)	3 N;hwy E	3686	42 S6	73 oct.20' poles SE.(Tex)

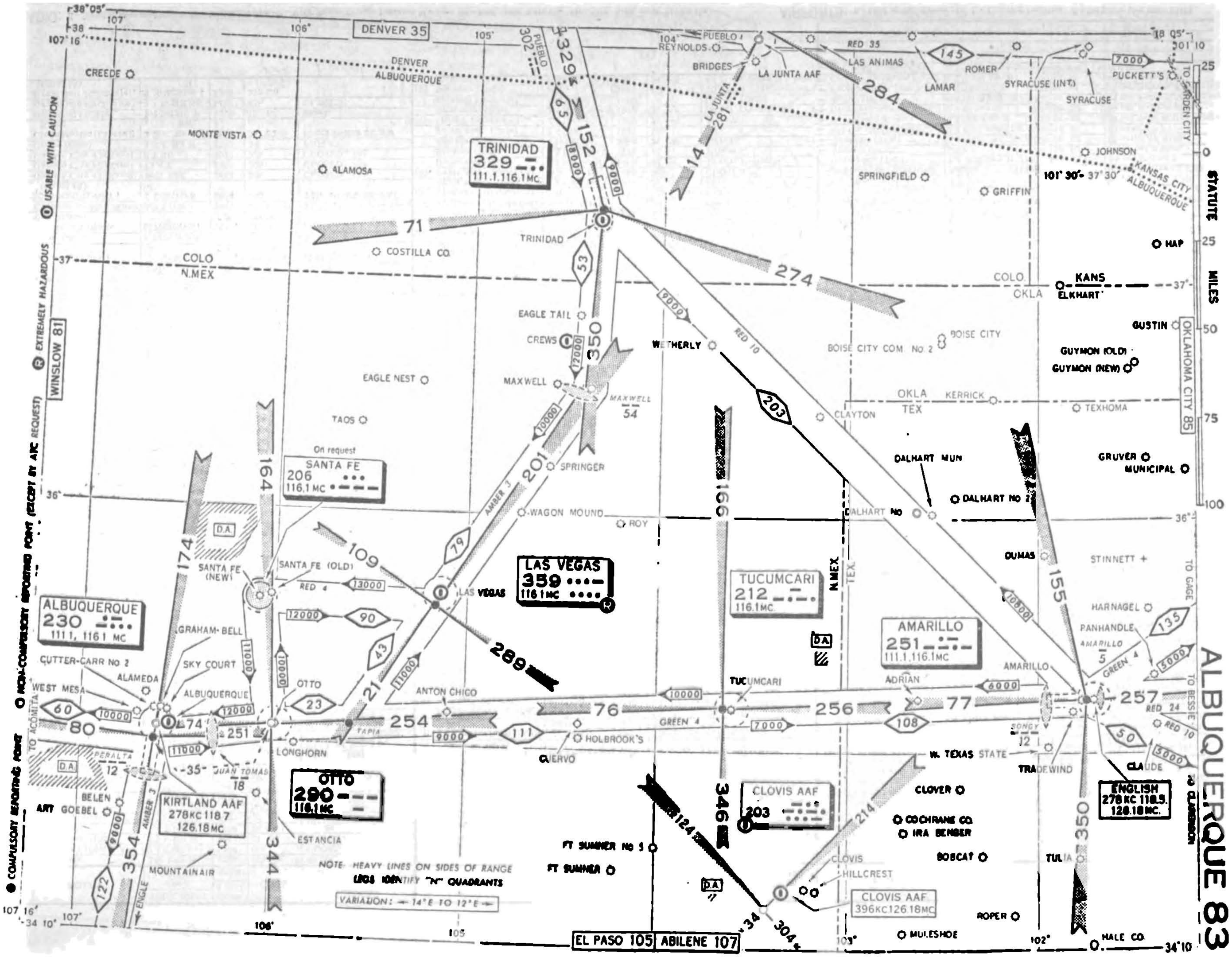
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
ENGLISH	110.3	335	209°	IM-	MM- .-.- (0.62)	OM- --(5.92)
					MMK-	OMK- 293
KIRTLAND	110.3	335	349°	IM-	MM- .-.- (0.66)	OM- --(4.32)
					MMK-	OMK- 248

NEW FACILITIES					
Boise City Com.#2(Okla.)	1 N;City S	4200	26 S1	80 oct.	
Gustin Fld.(Hooker,Okla.)	3 SW;RR,hwy E 5 SW	2985	26 S2	80 oct.P-line S.	
Panhandle (Tex.)	1.6 SSW;RR N	3450	28 S2	80 oct.1.5' twr W.	
Roper(Hart,Tex.)	5.9 S;lk NE	3600	26 S2	80 oct.P-line N,NW	
Elkhart (Kans)	0.8 ESE;RR 0.5 NW	3500	32 S2	80 oct.	
Hap(Hugoton,Kans)	1.5 SW;hwy N	3107	26 S2	80 oct.Poles N,NE.Use	
Bridges (LaJunta,Colo)	3.3 SSW;hwy,RR W	4250	26 S2	80 oct P-line N	stps

RADIO: S - Simul. Range and Voice W - Without Voice. 2 - VHF Range Station Location Marker (3) - 3165, 4495, 6210 kcs. (4) - 3165, 4495, 6210, 3117.6 kcs. Parentheses Numbers in Frequency Column indicate VHF Voice (vhf) - Voice on 115.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137 85, 149 58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED Airports are indented and non-capitalized


DENVER 35
DENVER ALBUQUERQUE
PUEBLO 302
CREEDE
MONTE VISTA
ALAMOSA
TRINIDAD 329 111.1.116.1MC
TRINIDAD
COSTILLA CO.
COLO N.MEX
EAGLE TAIL
CREWS
EAGLE NEST
MAXWELL
TAOS
SPRINGER
WAGON MOUND
ROY
SANTA FE 206 116.1MC
SANTA FE (NEW)
SANTA FE (OLD)
LAS VEGAS 359 116.1MC
LAS VEGAS
ALBUQUERQUE 230 111.1, 116.1 MC
GRAHAM-BELL
CUTTER-CARR NO 2
SKY COURT
ALAMEDA
WEST MESA
ALBUQUERQUE
OTTO
OTTO 290 116.1MC
ANTON CHICO
LONGHORN
TAPIA
JUAN TOMAS
KIRTLAND AAF 278KC 118.7 126.18MC
BELEN
AUT GOEBEL
MOUNTAINAIR
ESTANCIA
PERALTA
TO ACOMITA
WINSLOW 81
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NON-COMPULSORY REPORTING POINT (EXCEPT BY ARC REQUEST)
COMPULSORY REPORTING POINT
On request
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 14°E TO 12°E
PUEBLO
REYNOLDS
BRIDGES
LA JUNTA AAF
LA JUNTA
RED 35
LAS ANIMAS
LAMAR
ROMER
SYRACUSE (INT)
SYRACUSE
PUCKETT'S
TO GARDEN CITY
JOHNSON
SPRINGFIELD
GRIFFIN
KANSAS CITY
ALBUQUERQUE
HAP
COLO
OKLA
KANS
ELKHART
GUSTIN
OKLAHOMA CITY 85
GUYMON (OLD)
GUYMON (NEW)
BOISE CITY
BOISE CITY COM No 2
WETHERLY
RED 10
OKLA
TEX
KERRICK
TEXHOMA
CLAYTON
DALHART MUN
DALHART No 2
DALHART No
GRUVER MUNICIPAL
DUMAS
STINNETT
HARNAGEL
PANHANDLE
AMARILLO
TUCUMCARI 212 116.1MC
AMARILLO 251 111.1,116.1MC
ADRIAN
TUCUMCARI
GREEN 4
RED 24
W. TEXAS STATE
TRADEWIND
CLAUDE
ENGLISH 278KC 118.3 126.18MC
CLOVIS AAF 203
CLOVER
COCHRANE CO
IRA BENBER
BOBCAT
TULIA
CLOVIS
HILLCREST
CLOVIS AAF 396KC 126.18MC
ROPER
MULESHOE
HALE CO.
FT SUMNER No 3
FT SUMNER
EL PASO 105
ABILENE 107
N.MEX
TEX
STATUTE MILES
ALBUQUERQUE 83

OKLAHOMA CITY

FACILITY	FREQ. IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Ada (Okla)	2 N; hwy W.	1008	50h S1	80 oct.
(A) Altus AAF (Okla) (A)	3.4 ENE;hwy S	1368	60h	CLOSED.
Altus Mun. (Okla)	4.2 N;RR W	1425	31 S6	80 oct.P-line SW,W,[illegible]
Alva (Okla)	1.4 S;RR N	1320	26 S6	80 oct
Anadarko (Okla)	1.5 SW;RR E	1260	26 S6	80 oct.P-line N,[illegible]
ANTHONY H Fac.(Okla)	382(AY)(116.1)		MHTV	(4):116.1 122.1
(P) Anthony,24,AQ-KC	3 WNW;hwy S	1339	48 L3 S6	73,91 oct. (Okla)
Antlers (Okla)	2.8 S;RR E	640	22 S2	80 oct.
ARDMORE H Fac.(Okla)	400(AT)(116.1)		MHTV	(4); 116.1, 122.1
Ardmore (Okla)	11.2 NNE;riv E	758	73h	CAUTION; Intensive airline training
Ardmore,10,FV-WD	9.2 N;hwy E	875	40h L3 S6	80,91 oct.Poles E
* Arlie Int,9,AQ-FV(Tex)	3.8 SW;hwy S	1770	42 L3	(Okla)
Ashland (Kans)	1 E;RR S	1940	32 S2	80 oct.Poles S,E
Atoka (Okla)	1.8 NW;RR S	540	22 S2	73 oct.P-line S.
Bartlesville (Okla)	4 E;rd S	720	34 S6	80 oct
Bennett (Elk City,Okla)	2 SSE;RR NE	1800	20 S2	80 oct.P-line W.Lgt ac-
Blackwell (Okla)	1.7 W;RR N	1000	32 L4 S6	80 oct.P-line ft only
Boren (Wetumka,Okla)	1.5 NW;RR SE	780	20	SW,NW.
Brown (Tulsa, Okla)	6 SE	735	31 L S6	80,91 oct.Port rnwy lgts. Pole NW
Buffalo (Okla)	0.6 NW;crk N	1965	14 S1	73 oct. wet.
Caddo Fly Svc.(Ft.Cobb)	6 SE;hwy S	1250	21 S2	80 oct. (Okla)Ctn when
Cameron College	2.5 W;RR N	1108	22 S6	80 oct.(Lawton,Okla)
• Cassoday Int.34,AQ-KC (Kans)	1 SSE;hwy W	1480	32 L3	Twrs S
CHANUTE Range (Kans)	284(CZ)(vhf)	304°, 2.5	SBRAZ-DTV	(4);116.1,122.1
Chanute (Kans)	2 WSW;ltk SE	980	22h L4 S6	80,91 oct.
CLARENDON Range (Tex)	233 (CP)	199°, 2	MRLW	
(P) Clarendon,4,AQ-FV	3.8 W;RR NE	2869	40 L3 S6	80,91 oct. (Tex)
Childress (Tex)	3.2 ESE;RRNE	1930	30 S1	80 oct. P-line sur fld
(A) Childress AAF (Tex)(A)	5.2 W;RR N	1952	60h	CLOSED
Clinton (Okla)	17 SW;hwy E	1932	65h	
→ Coffeyville,Mun.#1	3.5 NE	743	59h S2	80 oct. (Kans)
Coffeyville,Mun.#2	2 NW;riv E	880	26h L3 S6	80 oct.Poles NW;hi-line SW.
Commercial(Okmulgee, Okla)	3.4 E;RR W	682	26 S2	80 oct. Poles SW
Commercial(Tulsa)	5.4 SSE;hwy N	700	29 S6	73,80,91 oct.Trees SW
Commercial(Quanah)	1.8 S;hwy E,N	1568	21 S2	Ltd 80 oct.(Tex)(Okla)
Community (Ada,Okla)	6.8 WNW	1000	24 S6	80 oct. hwy NE
Cordell (Okla)	1.3 NW;RR E	1550	20 S2	80 oct
(P) Cushing (Okla)	2 S;RR E	913	52h L5 S6	73,80 oct.
* Dill Int,14,AQ-LS(Okla)	0.5 NW;hwy N	1876	26 L3	P-line N,E
DODGE CITY H Fac(Kans)	362(OD)(116.1)		MHTV	(4):116.1,122.1
Dodge City (Kans)	3.5 ENE;RR SE	2594	47h L3 S6	80,91 oct.Fld lgts prior
(A) Dodge City AAF (Kans)	6 NW;RR S	2621	65h	CLOSED. (A) req.
(A) Dodge City #4 (Kans)(A)	17.4 NNE	2465	60h	CLOSED.
Dukes (Carnegie,Okla)	1 NNW;riv S	1250	24 S2	80 oct.P-line S.
Edgewood (Coffeyville, Kans)	2.5 WNW;RR E	745	25 S2	80 oct. N,S,S,W blkd.
(A) Enid AAF (Okla)(A)	4 SSW;RR E	1290	56h	TMP INACT.NO FACS
Eureka (Kans)	2.7 E;hwy S	1100	26 S1	80 oct.Hi-line S.
→ Ferguson(Coffeyville)	5 E;RR NW			(Kans) ABANDONED
(P) Frederick (Okla)	2.5 SSE;RR N	1233	60h L6 S6	80,91 oct No flood lgts.
Fredonia Mun. (Kans)	3 NNE;RR E	880	26 S1	80 oct.
-GAGE Range (Okla)	266(VM)(vhf)	224°, 2.1	SBRAZ-DTV	(4);116.1,122.1
(P) Gage (Okla)	1.8 SW;riv N	2223	55h L5 S1	80 oct.
GARDEN CITY Range → (Mun.)(Kans)	257(GK)(vhf)	168°, 3.7	SBRAZ-DTV	(4);116.1,122.1
Garden City Mun.(Kans)	3.3 E;riv S	2841	45 L3 S6	73,80 oct.Fld lgts on req.
(A) Garden City AAF (Kans) (A)	9 ESE;rivS	2894	65h	TMP INACT.NO FACS
(A) Garden City #1 (Kans)	19.5 ESE	2814	30h	CLOSED. (A)
(A) Garden City #2 (Kans)	13.4 E	2856	30h	CLOSED. (A)
(A) Garden City #3 (Kans)	6 ENE	2917	30h	CLOSED. (A)
Geary (Okla)	1.4 E;RR N	1523	24	PRIVATE
Glenn Martin (Liberal) Kans)	2 ESE;hwy SW	2853	35 S2	80 oct.P-line SE,SW
Grandfield (Okla)	1.2 SE;RR N	1100	13 S2	80 oct.
(A) Grandfield #3(Okla)(A)	3.1 W;RR NE	1128	45h	CLOSED.
(A) Great Salt Plains (Jet, Okla) (A)	6 NNE;dam 1 N	1200	55h L5	

FACILITY	FREQ. IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Greensburg (Kans)	1 ESE;RR N	2230	26 S1	80 oct. Poles N
Haddock (Erick,Okla)	1.4 SW;RR N	2017	34 S2	80 oct.P-line N.
Halliburton (Duncan, Okla)	1 S;RR E	1125	35 L6 S4	90,91 oct.No flood lgts or ben.
Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S6	80 oct. (Okla)
Hatbox (Muskogee,Okla)	2.7 W;fork RRs	615	38h S6	80 oct.
Hemphill Co.(Canadian)	1.5 SW;riv N	2300	27 S2	Ltd 73 oct.(Tex)
(P) Hobart Mun.(Okla)	3.8 SE;hwy W	1583	54h L S6	80 oct.Port lgts on req.
Hohmann (Lone Wolfe)	1 ESE	1576	26 S2	80 oct. (Okla)
Holdenville (Okla)	1.2 WNW	864	20	[illegible] NE
Hunter's Flight Strip (Hobart, Okla)	0.5 SW;hwy adj	1530	22	Data unverified
HUTCHINSON Range (Kans)	227(HN) (116.1)	350° 3.1	SBMRLZ-DTV	(4):116.1,122.1
Hutchinson, com.(Kans)	5.5 W;hwy N	1605	20 S2	80 oct. P-lines N,NE
(P) Hutchinson,mun.]	4 ENE;hwy S	1542	70h L5 S6	80,91 oct (Kans)
(N) Hutchinson NAS (Kans)	8.9 S;RR NNE	1582	70h	CLOSED (N)
INDEPENDENCE AAF Tower (Kans)	272 (126.18)		CA	(3); 126.18 (7-19)
(A) Independence AAF (A)	5.5 SW;hwy W	820	55h S1	91,100 oct. (Kans)
Independence (Kans)	5 N;hwy W	847	22 S4	80,91 oct.P-line W.
(A) Independence #3 (A)	24 ESE	920	42h	CLOSED. (Kans)
Independence #9 (Kans)	12.5 NE	870	40h	
(P) Iola (Kans)	3.2 SSE	1020	48 S6	80,91 oct.P-line NW,N,
Jensen (So.Coffeyville)	0.5 W;RR S,E	735	40 S6	80 oct.P-line SE (Okla)
Jimmie Ray (Cherokee)	1.5 E;RR SW	1200	26 S1	80 oct. Trees S.(Okla)
Kell-Air (Thomas,Okla)	1.2 SW;RR N	1730	24 S2	80 oct.
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIVATE
Kingman (Kans)	1.5 NNW	1600	26 S1	73 oct.Trees S,SW RR
Kiowa Flying Service (Kiowa, Kans)	2.5 WNW;RR S	1375	19 S1	80 oct. P-line SW NNW,SSW
Kittenbrink (Jefferson)	2 E;RR W	1100	23 S2	80 oct. Trees N.(Okla)
Lawton (Okla)	1.5 S;RR E	1145	26 L4 S6	80 oct.Fld lgts prior req.
(A) Liberal AAF (Kans)(A)	1.5 WNW	2888	70h	CLOSED.
Long (Pryor,Okla)	2 NNE;RR W	650	20 S6	80 oct.P-line SW.
Meade (Kans)	3 ESE;hwy N	2532	26 S2	80 oct.Use strips.P-line
McAlester (Okla)	2 SSE;RR W	750	25 S4	80 oct. N
Mauks (Blackwell,Okla)	2.7 S;hwy W	987	26 S4	80 oct.P-line E
Medicine Lodge (Kans)	2.1 SE;RR S	1520	33 S2	80 oct.
(A) Muskogee AAF (Okla)	See Davis under "New Facilities" - name changed.			NW
North (Enid, Okla)	3.8 N;RR E	1265	26 S6	80, 91 oct.Shrubs N,NE.
Nowata (Okla)	1.6 NNE;RR W	600	26 S6	80 oct.
OKLAHOMA CITY Range (Okla)	350 (OL) (116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Okmulgee (Okla)	3 NNE;hwy W	715	43h L5 S6	80 oct. Ctc lgts prior
Olustee (Altus,Okla)	10 SE;riv E	1338	45h	CLOSED req.
Pampa (Tex)	1.2 NNE;RR S	3234	50 L3 S6	80,91 oct.SE blkd.P-line
(A) Pampa AAF (Tex)(A)	12.3 E	3124	65h	CLOSED. E,S,W
* Pampa Int,4,AQ-KC(Tex	1.9 NNE;RR S	3197	50 L3	P-line E,S,W.Twr SW
Parsons (Kans)	2 NW;RR S	936	22 S2	80 oct.Use strips only
Pawhuska (Okla)	3.8 W;RR E	1000	27 L S1	80 oct.Port rnwy lgts. • P-line NE.
(A) Perry (Okla) (A)	6.6 N;hwy W	1008	52h	CLOSED.
(P) Perryton (Tex)	3 ENE;RR NW	2942	30 S4	80 oct.No sto.Allway fld.P-line SE,windmill
PHILLIPS Tower (Okla)	278		CI	3105 (on req) SW
Phillips (Bartlesville)	1.7 WNW	750	35h L4 S2	80,91 oct.(Okla) Hwy S
Plains (Kans)	1.3 NNE;RR S	2772	30 S2	80 oct.P-line NE,SE,S.
PONCA CITY H Fac (Okla)	368(PC)(116.1)		MHTV	(4):116.1,122.1
(P) Ponca City] (Okla)	2.3 NNW;RR S, E	998	36h L4 S6	73,87 oct.Antenna bet twr & hangar,lgtd
Ponder (Mangum,Okla)	1.6 N;hwy S	1585	29 L S2	90 oct.Unocy lgts prior
POST Tower (Ft.Sill,Okla)	201 (126.18)		CA	(3); 126.18 (8-18) req.
(A) Post (Ft.Sill,Okla)(A)	3 N	1170	50h L5 S4	Ltd 100 oct.
Pratt Mun. (Kans)	2.5 ENE;ltk SE	1916	25 S6	80 oct.Use strips only
(A) Pratt AAF (Kans) (A)	4 N;hwy E	1960	80h	CLOSED.
Roosevelt (Okla)	0.5 NW;rd N	1400	24 S2	73 oct. P-line N.
Sapulpa (Okla)	1.5 ENE;RR W	730	26	P-line S.
Satanta (Kans)	1 N;RR S	3050	26 S2	80 oct.
Sayre Mun. (Okla)	8.5 SSW	1937	50h	
[illegible]rcher (Sayre,Okla.)	2.3 N;hwy W	1990	26 S6	80 oct
Seminole (Okla)	3.4 NNW;hwy E	1012	35 S6	80 oct.Trees W,NW
Sentinel Memorial	0.8 SSW;RR W	1600	26 S2	80 oct. (Okla)
(P) Shawnee (Okla)	2 NW;RR E	1080	42h L5 S6	80,91 oct.Fld lgts prior
Stafford (Kans)	2.6 WSW;RR N	1889	26 S6	80,91 oct.Poles N,S req.

FACILITY	FREQ. IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Stark (Coldwater,Kans)	0.7 NE;RR SE	2100	29 S2	80 oct.Poles N,S,E,SE
(P) Stillwater #1 (Okla)	3.2 NNW;hwy E	985	50h L3	NE
Stillwater #2 (Okla)	5.6 SSE;hwy W	980	29 S6	73,80 oct.
Strickland(Hazelton,Kans)	2.6 E;RR S	1310	26 S6	73,80 oct.Poles E,N
* Stroud Int,.9A,AQ-LS	3 N;hwy W	883	27 L3	P-line W lgtd.(Okla)
Sulphur (Okla)	1.5 NW;hwy S,E	1060	28	Trees NW
TINKER Army Rng (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
(A) Tinker (Okla.City,Okla)	8.5 SE,RR NE	1272	78h L5 S6	73,100 oct IP-1 (A)
Tonkawa (Okla)	1.6 S;riv NW	1000	25 S2	80 oct.P-line S,E.
TULSA Range (Okla)	245(TS)(116.1)	225°,1.0	SBRAZ-DTV	(3); 116.1, 122.1
TULSA Tower (Okla)	278 (126.18, 118.5)		AC (ILS)	(4); 118.5,126.18, 122.5
(A) [Tulsa] (Okla)	6.2 NE,RR S	674	71h L6 S6	73-91 oct.73,100 oct
Tulsa North (Tulsa, Okla)	4.5 NNW;RR E	700	25 S2	80.87 oct Army Poles S,SW,SE.
Turkey (Tex)	2.7 SSW,hwy E	2350	18 S2	80 oct.
Twitty Int,8A,AQ-LS	1 SE,hwy 0.5 W	2225	38 L3	(Tex) P-line W
Vernon (Tex)	5 N,hwy E	1250	43h S6	73,80 oct.No sto.
Vernon Int,15,AQ-FV	8.8 NNW;hwy E	1332	32 L3	(Tex)
Vici (Okla)	0.7 SW	2265	24 S1	80 oct. Trees N.
Victory (Clinton,Okla)	2 S,hwy W	1540	27 S6	80 oct.
Walker (Ada,Okla)	5.4 S;rd E,N	870	32	PRIV Trees sur fld.
Walker (Altus,Okla)	1.6 W;RR E	1400	26 S4	80,91 oct.P-line N.
Walters (Sedan,Kans)	8 N;hwy W	1000	26	PRIVATE
Walters (Okla)	1.2 SW;RR E	1005	26 S6	80 oct
Watonga (Okla)	1.2 NW;hwy S	1460	26 S6	80 oct.
Waynoka-Kelsey (Waynoka, Okla)	3.4 NNE;RR SE	1500	21 S2	80 oct.P-line N,NE.
Weatherford (Okla)	2.7 ENE,hwy S	1550	27 S6	80 oct.P-line N.
Wellington (Tex)	1 SE;hwy W	2100	17 S2	80 oct. P-line S,E
Wewoka,com.(Okla)	1.8 W;ltk N	905	23 S6	73,80 oct.P-line NNE.
(P) Wewoka,mun.(Okla)	4.7 NE;hwy W	790	30	Emerg only.
White Bros.(Lamont)	2 WSW;RR E	1000	24 S2	80 oct. (Okla)
WICHITA Range (Kans)	332(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1, 122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4): 122.5,126.18, 118.7
(NG) [Wichita] (Kans)	5.3 SE;hwy W	1373	75h L6 S6	80,91 oct Army 100 oct
Will Rogers,36,AQ-LS	1.5 NE;RR W	649	29 L3 S6	73 oct.(Claremore,
WILL ROGERS Tower (Okla City,Okla)	272 (118.7)		AC (ILS)	(4):118.7,126.18, (Okla) 122.5
[Will Rogers] (Okla.City)	7.5 SW;hwy E	1283	57h L6 S6	91,80,100 oct (Okla)
(P) Woodring (Enid,Okla)	5 ESE;RR N	1159	65h L5 S6	80,91 oct.
Woodward (new)(Okla)	7.5 W;hwy S,E	2187	55h L5 S2	80,91 oct Lgts on req
Woodward (mun)(Okla)	1.5 SE;hwy W	1918	21 L1 S6	80,91 oct

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
TULSA	110.3	335	354°	IM-	MM- •-•-• (0.65) OM- — — (4.82)
					MMK- OMK-263 —
WICHITA	110.3	335	3°	IM-	MM- •-•-• (0.69) OM- — — (5.37)
					MMK 201-•• OMK- 317 •-•-•
WILL ROGERS	109.9	333.8	350°	IM-	MM- •-•-• (0.66) OM- — — (4.6)
					MMK- OMK-

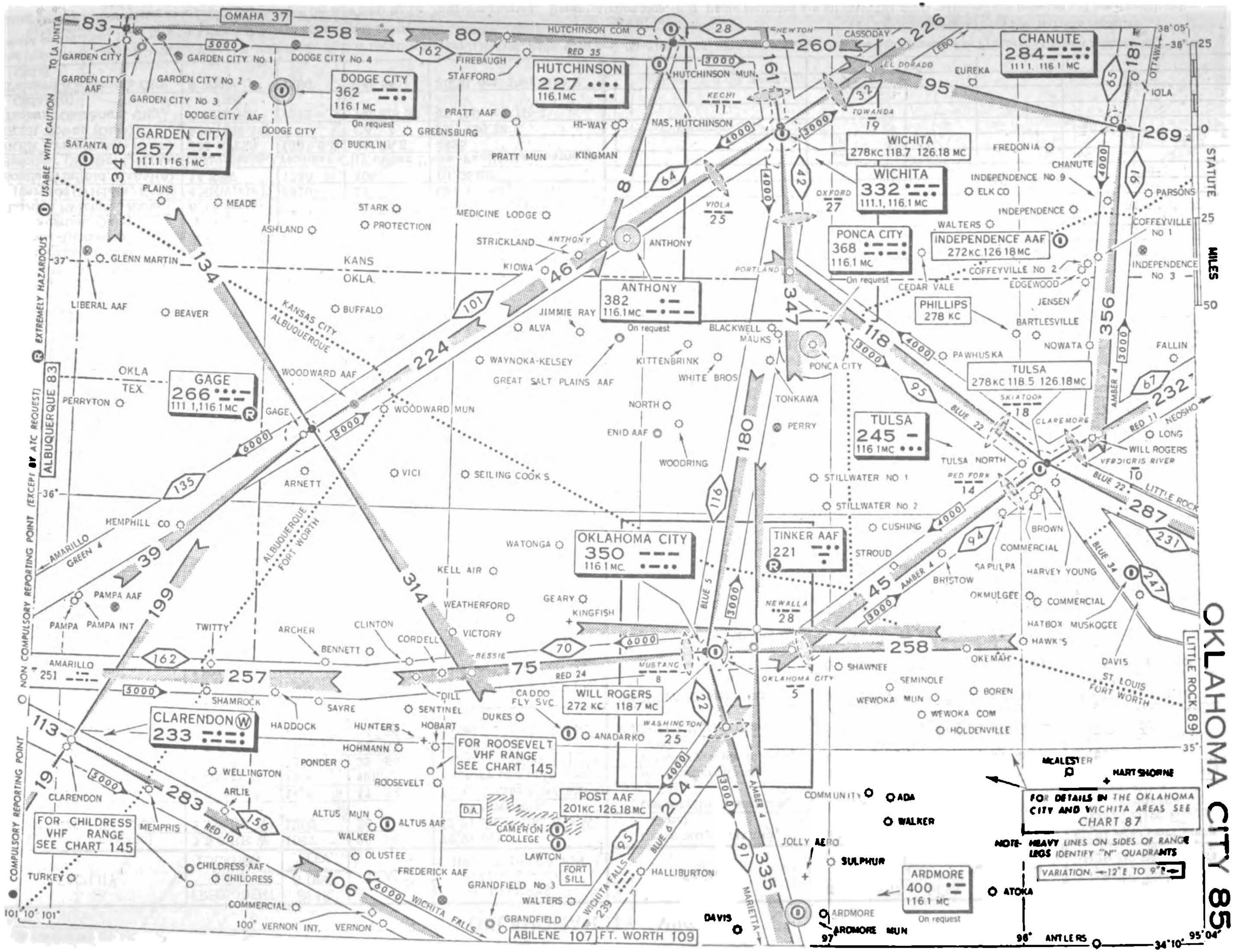
NEW FACILITIES

CHILDRESS Range (Tex)	109.1 (GM)		VARW	
ROOSEVELT Range(Okla)	108.7 (RQ)		VARW	
Arnett (Okla)	Adj NNE	2450	23 S1	73 oct.
Beaver (Okla)	1 SSW;hwy W	2500	30 S1	80 oct.
Bristow (Okla)	1.3 WNW;ltk E	725	22 S6	80 oct.Trees NE,SW.
Fallin (Vinita,Okla)	1.5 NW;RR S	780	26 S2	80 oct.P-line E,N,NE.
Davis (Healdton,Okla)	1.3 E;crk W	800	20 S2	80 oct S,SW.
Hartshorne (Okla)	1 NNW	700	13	Emerg use only
Hawk's (Henryetta,Okla)	1 N;rd N,E	862	18 S2	80 oct.
Jolly Aero (Davis,Okla)	3 S;hwy NNW	800	17	Pwrline NNW.Emerg only
Kingfish (Hinton,Okla)	3.7 N,hwy W	1545	18	
Okemah (Okla)	1 E;city W	870	33 S6	80 oct P-line N,NE
Seiling-Cook's (Seiling)	Adj E	1700	20	P-line N;trees S (Okla)
Shamrock (Tex)	1.3 SSE;hwy N	2395	23 S1	80 oct P-line S
→ Augusta (Kans.)	1 NNE	1260	26 S2	80,91 oct.S blkd.
→ Memphis (Tex.)	1.4 NNE	2100	38 S2	80 oct,E,SE blkd.
→ Elk Co. (Moline,Kans.)	2.3 ENE;hwys SW	1050	26 S1	80 oct.
→ Protection (Kans.)	0.6 SSE;hwy S	1830	24 S2	80 oct.Pole W.Use strips only
→ Hi-way (Kingman,Kans.)	2.3 W-hwy S	1580	24 S2	80 oct.P-lines SE,S.
→ Bucklin (Kans.)	0.6 SW;RR N	2400	26 S2	80 oct.Poles N,W.Use strips.
→ Firebaugh (St.John,Kans)	1.7 NNE;rd E	1885	26 S2	80 oct.Poles N,E.Derrick S.
→ Cedar Vale (Kans.)	1.5 WNW;hwy S	1000	26 S1	80 oct.Poles N,W.
→ Davis (Muskogee,Okla)	5.5 S;RR W	610	56h	Hill SW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ◆ - Guarded only when associated tower inoperative.

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → - New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

OKLAHOMA CITY 85



FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Arkansas City (Kans)	3.5 S;RR W	1067	28 S6	73,91 oct.
➝ Arther Arfld (Wichita, Kans)	3 SW;RR N	1290	26 L S6	80,91 oct.P-line N,S,W. Port rnwy lgts.
Baird (Arkansas City)	4 W;hwy S	1100	17 S2	73 oct.P-line S,SW.(Kans)
Beech (Wichita, Kans)	6 E;hwy N	1378	46h L	Factory use only.obst lgts.
Bomhoff (Calumet,Okla)	4.1 SSE	1448	25 S6	73,80 oct. Hwy S
Caldwell (Kans)	1.2 E;RR W	1140	21 S2	73 oct. Poles E,S.
Cannon Ball (Wichita,Kans)	6.5 WSW; hwy N	1300	24 S6	80 oct.No sto.P-line N.
Central (Edmond,Okla)	2.6 NNE	1211	24	RRW.
➝ Cessna (Wichita,Kans)	4.5 SE	1369	53 S2	80 oct.Wichita Arpt 1 N.
(P) Chickasha (Okla)	4 NNW;riv S	1140	35h L S6	80,91 oct.Flood lgts.
Cimmarron (Yukon,Okla)	4 WSW;hwy N	1350	20h	Eme. g only.P-line NE,E.
➝ Culver (Wichita, Kans)	4 N	1320	15h	Private-200' twr 1 NW
➝ Derby (Kans)	1 NNE;RR W			ABANDONED
El Dorado (Kans)	3.6 SE;hwy W	1400	25 S6	80 oct.Soft,wet weather.
(P) El Reno (Okla)	1.5 SW;RR N	1400	26 L S6	80,91 oct.Port rnwy lgts.
Frasier (El Dorado,Kans)	2.5 S;riv W	1300	25 S6	80 oct.Poles E,NE.
Garthoeffner Co. Club (Oklahoma City, Okla)	See Country Club under "New Facilities" - name changed.			
Guthrie Mun	2 SSE;hwy W	1052	26 L3 S6	80 oct. (Okla)
➝ Hilltop (Augusta, Kans)	2 NE;RR SE			ABANDONED.
Ken-Mar (Wichita,Kans)	3 ENE;RR N	1375	23 L S6	80,91 oct. No sto.Port rnwy lgts.Obsts.
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIVATE
Lake View (Yukon, Okla)	2.7 E;RR N	1275	24 S1	80 oct.Poles N,S.
Mariash (Chickasha,Okla)	2 SSE;RR E	1275	30 S2	80 oct. Data unver.
Marlow (Okla)	1.6 N;RR E	1150	22 S6	80 oct.P-line N.
Max Westheimer (Norman, Okla)	2.7 NW;RR E	1178	50h S6	80, 91 oct.
(P) Mustang (El Reno,Okla)	5.3 SSW	1400	52 S6	80,91 oct.
Newkirk Skypark (Okla)	2.5 SE	1140	29	P-line N,NW. RR SW.
(N) Newton (Kans.)	4 ENE;rd S	1527	70h S6	80,91 oct.P-line W,N.
Nuckols (Okla.City, Okla)	7.2 SSW; hwy W	1265	30 S6	80 oct.Poles N,W,SW
OKLAHOMA CITY Range (Will Rogers) (Okla)	350(OL)(116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Pauls Valley (Okla)	2.1 S;RR E	967	35h L1 S4	80,91 oct.
Purcell-Lexington (Lexington, Okla)	See Lexington-Purcell under "New Facilities" - name changed.			
Rawdon (Wichita, Kans)	6.7 E;hwy S	1396	26 L S6	80,91 oct.Port rnwy lgts.
Riverside (Wichita, Kans)	4 NNW;riv E	1310	26	Use in emerg only.
(A) South (Winfield, Kans)(A)	14 SSW	1230	40h	CLOSED.
(P) Strother (Winfield, Kans)	See Winfield-Arkansas City under "New Facilities" - name chg.			
TINKER Army Range (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
TINKER Tower (Okla)	396 (126.18)+		CA	(3); 126.18
(A) Tinker (Oklahoma City, Okla) (A)	8.5 SE;RR NE	1272	78h L5 S6	73,100 oct. JP-1
Tulakes (Oklahoma City, Okla)	8 WNW	1400	44h S6	80,91 oct. Pwr line S.
University (Wichita, Kans)	5 NE;RR N	1350	27 L S6	80,91 oct. Port rnwy lgts. P-line E.
University (Langston, Okla)	1 S;road N	1025	26	Bldg SE corner.
Wellington (Kans)	3.5 N;RR W	1290	26 S6	80 oct. P-line sur fld
Wheatley Arpk (Moore, Okla)	0.6 NE;hwy W	1273	24 S6	80,91 oct.
WICHITA Range (Kans)	332(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1,122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(NG)[Wichita] (Kans)	5.3 SE	1373	75h L6 S6	80,91 oct. 100 oct. for Army.
Wiley Post (Oklahoma City, Okla)	7.9 NNW; hwy E	1216	34 S6	80,91 oct. Trees S.
WILL ROGERS Tower (Okla)	272 (118.7)		AC (ILS)	(4); 118.7,126.18,122.5
[Will Rogers] (Oklahoma City, Okla)	7.5 SW;hwy E	1283	57h L6 S6	80,91,100 oct. Port lgts prior req.
➝ Wilson (Wichita, Kans)	7.6 NE	1410	29 L S6	80,91 oct.P-line N,NE,NW.
Winfield (Kans)	2 E;RR S	1200	20 S6	80 oct. Lgt acft only Pwr line N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WICHITA	110.3	335	3°		MM- ·— ·—(0.69)	OM- ——(5.37)	
					MMK-201—··	OMK- 317 ·——	
WILL ROGERS	109.9	333.8	350°	IM-	MM- ·—·—(0.66)	OM- ——(4.6)	
					MMK-	OMK-	

NEW FACILITIES

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Lexington-Purcell (Lexington,Okla.)	0.8 WSW; riv W	1100	21 S1	80 oct.No sto.
Country Club (Okla.City, Okla)	7.3 S;hwy E	1250	19h S6	80 oct.
(P) Winfield-Arkansas City ➝ (Winfield,Kans)	5.7 SSW;RR SE	1150	58h L5 S2	80 oct.No bcn.Use strips.

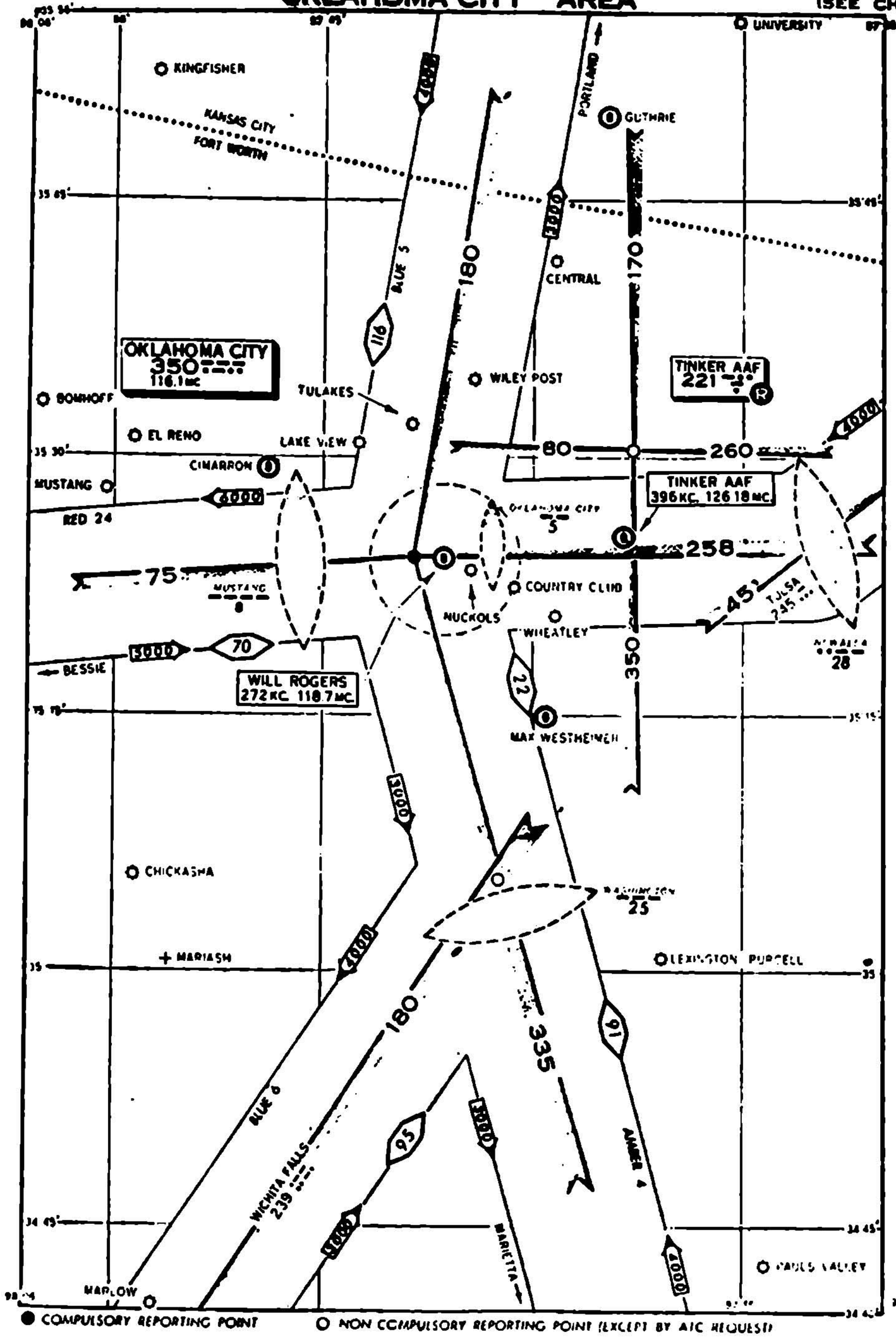
S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities

L-lighting facilities. S-servicing (see page XIII) ➝ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

OKLAHOMA CITY AREA

(SEE CHART 88)



WICHITA AREA

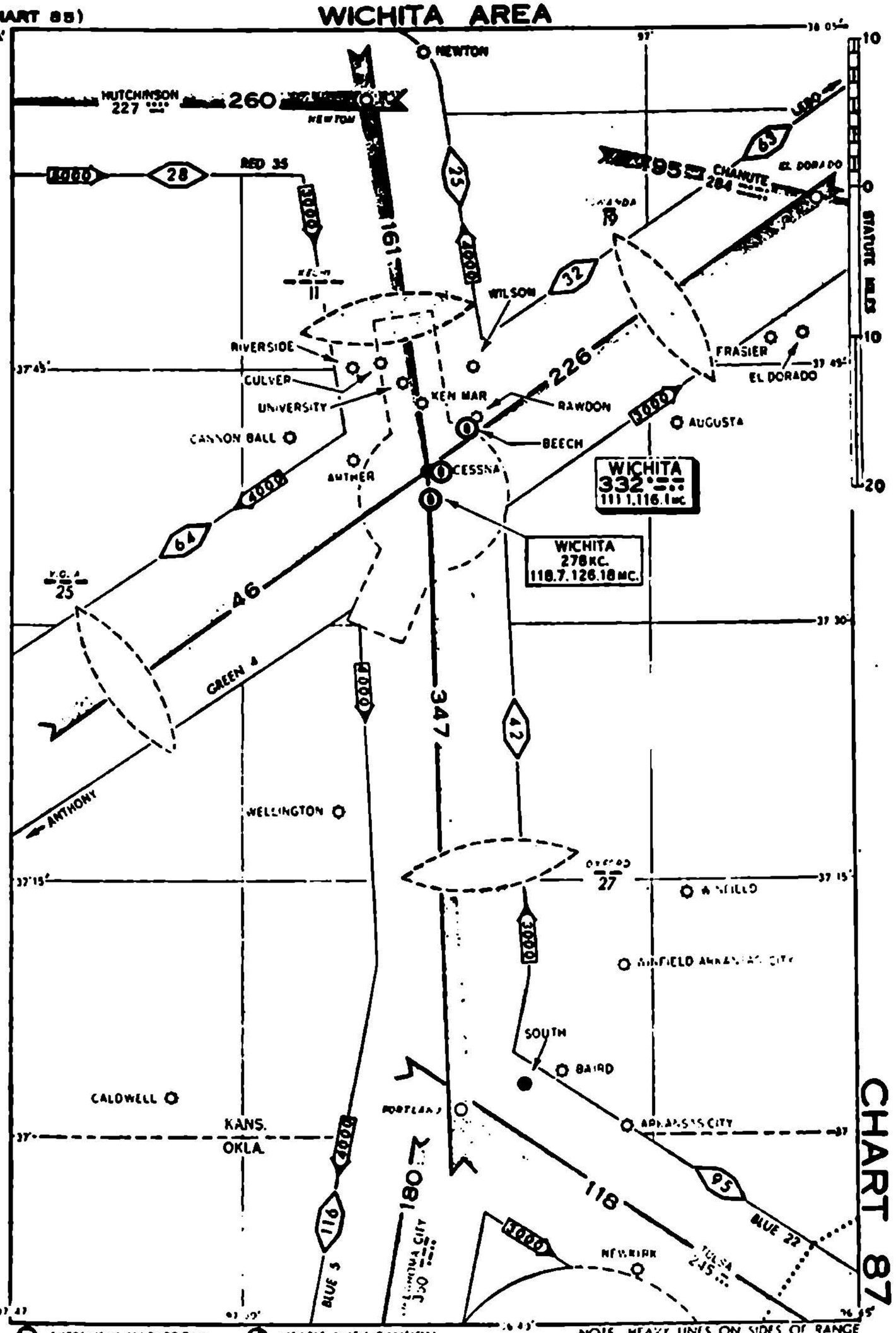


CHART 87

● COMPULSORY REPORTING POINT ○ NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS

LITTLE ROCK

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ADAMS Tower (Ark)	278 (126.18, 118.5)		C	(4); 126.18,118.5, 122.5 (7-23)
(NG) [Adams](Little Rock, Ark)	4 E;RR W	260	52h L5 S6	80, 91 oct. 73,100 oct, JP-1,2-ecn maint NG.
ADVANCE Range (Int.) (Mo)	317(AF)(116.1)	354°, 1.5	SBMRAZ-DTV	(4);116.1,122.1
* Advance Int,48,NO-LS	0.8 WSW	355	29 L3	(Mo) N blkd. Trees S.
Alma (Ark)	1.5 ESE;rd S	450	23 S2	80 oct.P-line S.PRIVATE
→ American Legion (Blytheville, Ark)	1.5 ESE;RR N			ABANDONED
→ Arkansas Polytechnic (Russellville, Ark)	1.3 N;hwy W	350	23 S6	80,91 oct.SE blkd. P-line W.
(P) Atkinson (Pittsburg, Kans)	2.5 NW;RR W	948	40h L S6	80 oct. Flood, obst lgts.
→ Bailey (Cabot, Ark)	0.5 W;RR S	270	26 S2	80 oct.Trees sur fld.
Bass (Lula, Miss)	2.2 SSE	200	13 S1	80 oct.N blckd.Hwy E
→ Batesville (Ark)	3 S;hwy E	400	25 S5	80 oct.N,W blkd.P-line
* Batesville Int,29,NO-LS (Miss)	3 W;hwy SE	205	25 L3	Poles N, lgtd. W,N.
→ Benton (Ark)	1.6 W;hwy N	300	20 S2	80 oct.P-line S.Trees
Bentonville (Ark)	1.5 SSW;RR N	1200	24 S1	80 oct.
→ Berryville (Ark)	1.3 WNW	1150	13 S1	70 oct.Trees S,hwys N,S.
→ Biggers (Ark)	2 ESE	290	45	RR 2 NW. Cattle on fld.
BLYTHEVILLE Range (Ark)	221 (LY)	226°, 14.2	RLWZ	
(P) Blytheville (Ark)	3.5 NW	254	50h S6	80,91 oct.
Bolivar (Mo)	1.8 WSW	1138	24 S2	80 oct.N,S blkd.Hwy N.
Bowden (Mena, Ark)	1 E;RR NW	1177	16 S1	73 oct.
Bowen (West Memphis, Ark)	1.5 W;hwy N	215	17 L S6	80,91 oct.Floodlgts; port rnwy lgts.Poles
Branson (Mo)	4 W;mtn NNW	1069	19 S4	80 oct.W,NW blkd. SE.
(P) Brinkley,37,DL-LV (Ark)	1 E;hwy N	188	31 L3 S1	80 oct. days.Obst NW. Heavy acft emerg only.
Cabool (Mo)	0.8 SW		18 S1	80 oct. Data unver.
→ Cape Commercial (Mo)	4.8 SW;Hwy N	340	35	CLOSED. P-line N
Carbondale (Ill)	1 S;Ill 1.5 SW	450	23 S6	80 oct.
→ Carlisle (Ark)	3 NE; RR S	236	45h	CLOSED.
Carthage (Mo)	See Meyers Field under "New Facilities" - name changed			
Cassville (Mo)	3.9 S;hwy E	1375	26 S5	80 oct.P-line NE.
Central (Little Rock)	4.5 NE;RR S	255	35 S4	80 oct.Trees W.Data un-
Charleston (Mo)	1 ESE;RR NW	300	31 S2	80 oct.Poles S.Iver (Ark)
Chester (McBride, Mo)	3.8 NW;riv N	372	20h	Allway: 5388 x 4695'.
Clarksdale (Miss)	1.5 SE;hwy NW	175	21 L1 S6	80 oct.P-line N
Commercial (De Witt)	2.4 W;RR N	196	24 S6	80 oct.P-line E. (Ark)
(P) Conway (Ark)	1.5 SE;hwy W	309	32 S6	80,91 oct.P-line N,E.
→ Cooter (Blythev'l,Ark)	10 NE			ABANDONED
Copp (Calico Rock,Ark)	1.8 N	425	18	Fence S.
Dexter (Malden, Mo)	12.5 NNE	215	45h	
Dockery (Stuttgart,Ark)	1.5 NNW	214	24 S6	73,80 oct.P-line N,S,E
Diamond (Mo)	2.1 SSW;Hwy E	1150	19 S2	80 oct.SW,NW blkd.
(A) Dyersburg AAF (Tenn)	9 S;RR E	289	62h	CLOSED. (A)
Dyersburg Mun.(Tenn)	2 SW;riv N	337	40h S4	80 oct. No sto.
Earl Fields (Poplar Bluff, Mo)	3.8 ENE; hwy S	325	26 S6	80 oct. P-line S
Embry Riddle (Union City, Tenn)	See Stewart Field under "New Facilities" - name changed			
→ Erwin (Newport,Ark)	1.5 S;rd S	220	45h	CLOSED.
Farmington (Mo)	1 E;hwy N,E	920	36 S6	80,91 oct.Poles E,N
→ Farmington Flying Service (Mo)	0.8 NNE; hwy S			ABANDONED
(P) Fayetteville (Ark)	4.5 S;riv E	1251	38 S6	80 oct. P-line SW;clr.
Fleeman (Manila,Ark)	0.8 S;RR N	240	32 S2	80 oct.P-line N,NE.
Fletcher (Clarksdale)	8 NNE;RR W	175	20h S6	80, 91 oct. (Mo) P-line
Forrest City (Ark)	0.7 W;hwy SE	226	22 S2	80 oct. Bldg S. S
Fort Scott (Kans)	4.5 SW;hwy S	900	28 S2	80 oct.
(P) Fort Smith (Ark)	4 SSE;RR S	450	25h L5 S6	80,91 oct.P-line FSE,SSW
(A) Gideon (Malden, Mo)	1 SE Gideon	268	45h	CLOSED. Stacks W.
Gilbrech (Palmer, Ark)	0.2 NE;RR S	178	18 S2	80 oct.N/S strip rough.
Girard (Kans)	1.7 WNW	950	14	P-line S,WSW Poles W.
(P) Grider (Pine Bluff,Ark)	5.5 SE;hwy N	210	45 L S6	80,91 oct. Port rnwy lgts
Harlas (Malvern,Ark)	1.5 W SW	275	26 S2	73 oct.P-line NE.RR SE
Harris (Cape Girardeau, Mo)	6.5 SW; hwy E	340	20h S6	80,91 oct. P-line N
→ Harrison (Ark)	4.1 NW;RR,8 S	1380	32 S2	80 oct.SE,S,NW blkd.
→ Heber Spgs (Ark)	1.5 NNE;hwy E	625	24 S1	80 oct.P-line E N blkd
→ Hazen (Ark)	3.8 WSW	225	45h	
Heavener (Okla)	2 N;RR W	575	27	Use in emerg. only.
→ J.B.Wilson (Joiner,Ark)	0.5 ENE			ABANDONED.
Jameson (Picher,Okla)	4.5 W			ABANDONED
John Brown Universtiy (Mosley,Okla)	3.6 ESE; hwy S	1183	27 S4	80 oct. Caution.
John's Arpk.(Flippin)	0.3 NNW	620	27 S1	80 oct.N,SE,S,NW blkd.
(P) Jonesboro (Ark)	3.5 ESE; RR all sides	264	44h S6	80,91 oct.Use (Ark) rnwys.
JOPLIN Range (Mo)	400(JH)(vhf)	172°, 6.2	BMRLZ-DTV	(4);116.1,122.1
(P) [Joplin] (Mo)	5 NNE;hwy S	981	43h L4 S6	80, 91 oct. P-line NE
Kennett (Mo)	1.3 E;RR W	260	26	30' poles N.
Kennon (Union City, Tenn)	3.2 WSW; hwy N			ABANDONED
King (Houston,Mo)	0.8 WNW	1180	15 S1	80 oct.Poles S.Hwy ESE
* Lebanon , 54B, AQ-LS	2.5 SSE	1380	26 L3 S6	80 oct.(Mo.) Hwy E.
Levee (W.Memphis, Ark)	2.4 E;RR N	215	24 L S4	80,91 oct.Port rnwy lgts P-line N,S.
LITTLE ROCK Range (Adams) (Ark)	353 (LI) (116.1)	313°, 3.8	SBRAZ-DTV	(3); 116.1, 122.1
* Luxora Int,39,NO-LS	1 WNW	240	31 L2	(Ark). Hwy S. S blkd.
McFarland (Springfield)	4 SSE;hwy E	1310	34 S6	80 oct. P-line S,NW(Mo
(P) McLaughlin (Hot Spgs, Ark)	See Hot Springs Memorial Fld under "New Facilities" - Name changed.			
Macarin (Marion, Ill)	4.6 WNW	470	35 S6	80,91 oct. Hwy W.
(A) Malden AAF (Mo)(A)	3.5 NW;RR E	296	50h	CLOSED.
→ Manila	1.6 NE	240	55	CLOSED.Cattle on fld.
Marks (Miss)	1.5 NW;hwy N	165	22 S2	73 oct.P-line S.
MEMPHIS Range (Tenn)	371 (PS) (116.1)	356°, 2.1	SBRAZ-DTV	(3); 116.1, 122.1
MEMPHIS Tower (Tenn)	278 (126.18, 118.7)		AC (ILS)	(4); 126.18,122.5,118.7 See Notice to Airmen
(A) [Memphis] (Tenn)	5.9 SSE; RR NE	269	52h L6 S6	73-100 oct.JP-1.Rdo rqrd.Obst W,SE,S,NW
Memphis Flying Service (Tenn)	11 SE;RR 3 NW	286	35 L4 S6	80,91 oct.P-line S.No bcn.Lgts prior req. Rnwy lgts data unver.
MEMPHIS NAS Tower	293 (142.74)		CN	3105; 142.74 (6-24)
(N) Memphis NAS (Tenn) (N)	16 NNE;RR NW	322	50h L5 S6	73,91,100 oct. Lgts on req.
(P) Miami (Okla)	2.2 NNW	800	33h L1 S6	80,91 oct. RR E (Ark).Emerg only.
Milltown (Tuckerman,	4.5 E;	244	45h	
→ Monett (Mo)	0.5 NE;hwy S	1092	26 S4	80 oct. P-line SW
Monkey Island (Afton, Okla)	7.8 SE;RR NW	750	26 S1	80 oct.P-line W
Murphysboro (Ill)	3 N;riv SE		20 S1	80 oct. Data unver
Neosho com. (Mo)	4.8 NNW	1140	27 S2	80 oct. P-line SW,NW
Neosho 43B,AQ-SL(Mo)	2.8 SW;hwy E	1215	26 L3 S6	80 oct.P-line NE,W,NW
(P) Nevada (Mo)	3 NE;hwy N	850	36 L S6	80 oct. P-line SW.W.NW
Newport (Ark)	6 ENE;hwy N	237	50h S6	73,80,91 oct. Port lgts
→ Norman (Ola, Ark)	1.8 NNE	348	28	P-line SE Closed on req.
North Cairo (Cairo,Ill)	3 NNW	312	24 S4	73 oct. RR E wet.
→ Overholt (Cotton Plant)	3 W;hwy S,W	250	18 S1	(Ark) 80 oct.Ctn when
(P) Oxford (Miss)	8 S;hwy E	400	50 S6	80,91 oct,Trees NW.Soft.
→ Paris (Ark)	1.8 NE;RR W	500	23 S1	80 oct.SW,W blkd,P-line
Poteau (Okla)	1.5 SSW	460	17	RR NW,E E,NE.
* Prairie du Rocher Int, 55, NO-LS (Ill)	0.5 S;RR NE	390	37 L3	Trees S, N.
Prairieville (Almyra,Ark)	3 W	205	45h	
Ramsey (Campbell,Mo)	1.6 SW;RR NW	295	18 S2	80 oct. NE.
→ Rogers (Ark)	2.7 N;RR E	1325	32 S6	80 oct. SE blkd.Trees
Rogers Arpk (Springfield, Mo)	2.1 E;hwy W	1367	38 L4 S6	80,91 oct. Lgts prior req. Pwr line N
Rolla (Mo)	3.5 NE;rd S	1201	31 L S6	80,91 oct.Port rnwy lgts
→ Round Pond (Ark)	1.5 NNW	200	22 S2	80 oct. PRIVATE.
(P) Sanders (Walls,Miss)	1.8 S;hwy NW	210	40 S6	73,80 oct.Trees E.
Searcy (Ark)	2.8 S;RR E	260	21 S1	80 oct.P-line NE,SE
Sexton (Kennett,Mo)	2.8 SW;hwy E	263	26 S2	80 oct.
Sky Haven (W.Plains,Mo)	2.4 NW	1049	22	RR E.
Sloan (Black Rock,Ark)	0.5 NE;RR W	270	16	
Smith (Hasty,Ark)	3 SSW;rd E,S	1150	16 S1	80 oct. N,S blkd.
→ Springdale (Ark)	0.8 SSE; RR,5 W	1200	19 S4	80 oct. P-line NE,SW S,NW blkd.
SPRINGFIELD Range (Mo)	254 (SX) (vhf)	134° 4.3	SBRAZ-DTV	(4);116.1,122.1
(A) [Springfield] (Mo)	5.5 WNW; RR NE	1269	56h L5 S6	80,91,100 oct. 100 oct. JP-1 ArmyUse rnwys only
→ Steele (Blythev'l,Ark)	12.3 N			ABANDONED
Stilwell (Okla)	1.4 N;RR W	1125	18 S2	80 oct.
STUTTGART Range (Ark)	269 (DSA)	173° 4.7	MRLWZ	
Stuttgart (Ark)	7 N;RR E	230	50h S6	80,91 oct.
Tahlequah (Okla)	4.3 N;rd E	1050	22 S6	80 oct.
→ Thompson-Robbins (Helena, Ark)	6 NW;RR S	242	50h S6	73,80 oct
Toney (Pine Bluff,Ark)	2.5 N;hwy W	215	28 S2	80,91 oct.Twr NW lgtd.
→ Tucker (Hughes,Ark)	1.1 S			ABANDONED.
(A) Walcott #3 (Walnut Ridge, Ark) (A)	14 ESE	285	45h	1.5 W of Walcott. CLOSED.NOT MAINT.
WALNUT RIDGE Range (Ark)	362 (DWR)	174°, 5.0	MRLWZ	
Walnut Ridge (Ark)	4 NE;RR SE	275	50h	
* Whiteville Int, 49, DL-LV (Tenn)	0.6 NNW;RR E	494	30 L3	
Wilson (Memphis, Tenn)	11.5 SE;hwy W	320	26 S6	73 oct.
Wynne (Ark)	3.2 N;RR E	212	25 S3	80 oct. P-line E, SE.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
MEMPHIS	109.9	333.8	86°	IM-	MM- •-•-• (0.69) OM- — — (4.88)
				MMK-201 •••	OMK- 215 •—•—•
			IM-	MM-	OM-
				MMK-	OMK-

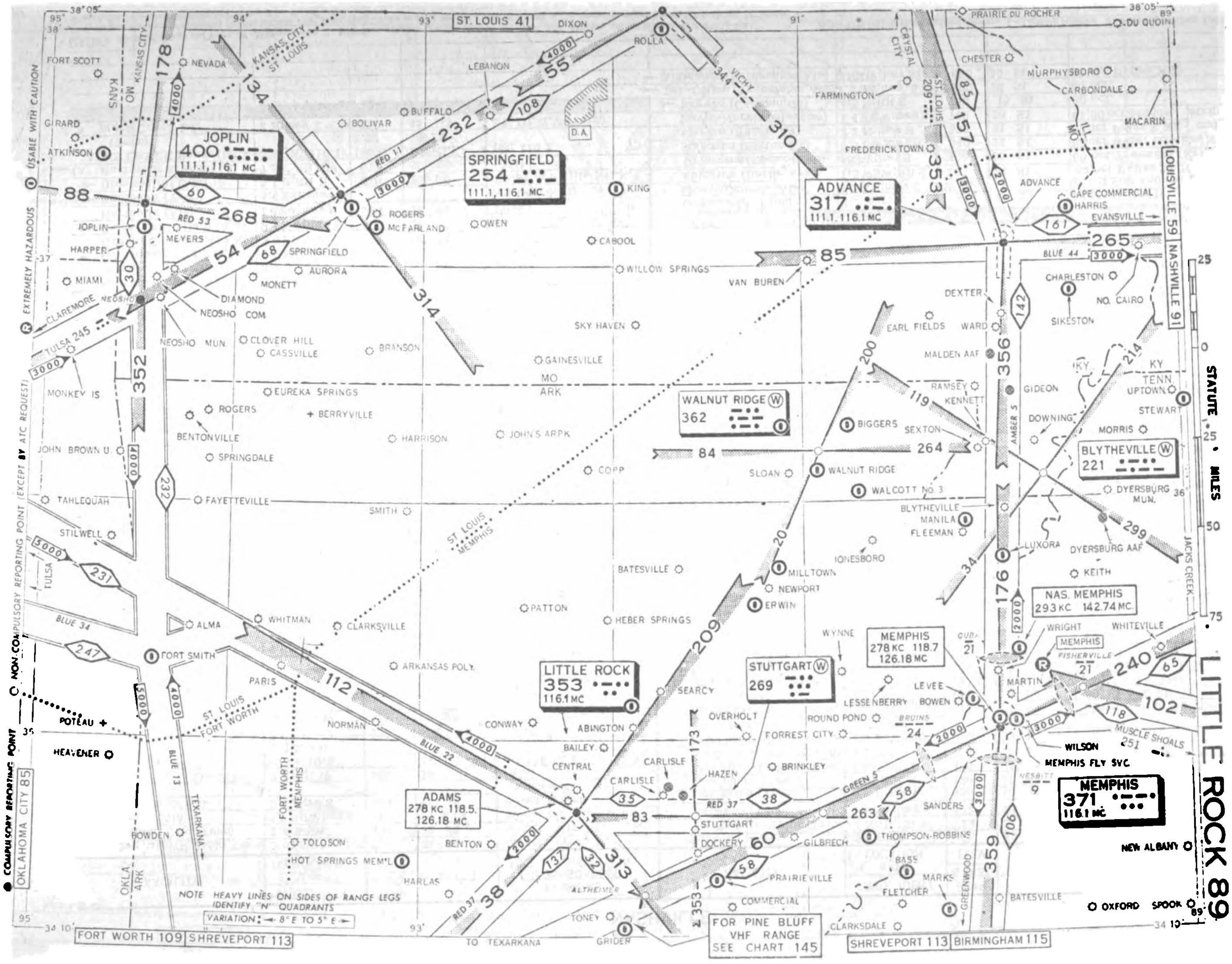
NEW FACILITIES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→ Spook (Pontotoc,Miss)	2 W;hwy N	3000	15 S1	80 oct.P-line N.
PINE BLUFF Range(Ark)	108.7 (PL)		VARW	
Clarksville (Ark)	2.5 E;hwy S	425	27 S1	P-line SE,WSW
→ Whitman (Ozark,Ark)	1.2 NNW	600	25 S1	80 oct. Hwy SW. Bldg SW.
Martin (Memphis,Tenn)	6 ENE;RR N	258	22 S6	80,91 oct.P-line S.
→ Ozark Skyranch (Eureka Springs,Ark)	See Eureka Springs under "New Facilities" - name changed.			
Central(N.Lit'l Rock,Ark)	5 ENE;hwy S	255	35 S4	80 oct.Trees W.Caution.
→ New Albany (Miss)	2 W;hwy S	450	15 S1	80 oct All apps blkd exc N,S.
Wright (Memphis,Tenn)	9 N;hwy,RR E	214	35 S2	80 oct.P-line E.
Morris (Obion,Tenn)	0.3 NW	340	25	P-line S.
Uptown (Union City,Tenn)	1 NE;hwy SE	350	15 S4	80 oct.No sto.P-line S.
Keith (Henning,Tenn)	1 SW;RR SE	350	12 S1	80 oct.Trees W,SW,E.
Toloson (Mt.Ida,Ark)	0.3 N	650	24 S1	73 oct.P-line both ends.Soft
Lessenberry (Parkin,Ark.)	1.3 SW;hwy E	200	12 S2	80 oct.Trees N
Patton (Clinton,Ark.)	2.1 S;hwy E	755	25	N,NE,S,SW blkd.
Owen (Seymour,Mo)	3 NE	1600	21 S2	80 oct.Use strip only.
Gainesville (Mo)	2 ENE hwy SW	1060	18 S1	80 oct.Trees NW.
Fredericktown (Mo)	4.8 S;hwy W	1000	15 S2	80 oct.Trees S,NE.Bldg N.
Clover Hill Exeter,Mo)	0.7 WNW	1530	13	Use strips only.
Harper (Joplin, Mo)	2.5 W;hwy N	1050	30 S6	80 oct,N,S,SW blkd.Poles
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80 oct. NW,NE.
Willow Springs (Mo)	0.7 E	1220	20 S1	80 oct,N blkd.
Downing (Hayti,Mo)	1.5 W;hwy S	270	16 S2	80 oct.P-line S.
Stewart (Union City,Tenn)	5 ESE;hwy NE		18h L S6	80,91 oct.Flood lgts.
Meyers (Carthage,Mo)	2 S;hwy E	1007	26 L S6	80 oct.Port rnwy lgts.
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80oct P-lineNE,SW,E,S
Harper (Joplin,Mo)	2.5 W;hwy N	1050	30 S6	80 oct.N,S,SW blkd Poles
Owen (Seymour, Mo)	3 NE;orchard E	1600	21 S2	80 oct.Use strip only NW, NE
Gainesville (Mo)	2.0 ENE;hwy SW	1060	18 S1	80 oct.Trees NW
Fredericktown (Mo)	4.8 S;hwy W	1000	15 S2	80 oct.Trees S,NE;bldg N
Clover Hill Airstrip	0.7 WNW	1530	13	Use strip only
Willow Springs (Mo)	0.7 E	1220	20 S1	80 oct.N blkd.
Downing (Hayti, Mo)	1.5 W;hwy S	270	16 S2	80 oct.P-line S.Use strip
Carlisle (Ark)	0.5 S;hwy N	240	26 S2	80 oct P-line N;trees S
Buffalo Mun.(Mo)	1.2 NW;hwy E	1200	13 S2	80 oct Trees NE
Cabool (Mo)	1 SW	1200	18 S1	80oct Trees N;p-line S
Dixon (Mo)	1.5 W;RR S	1220	16 S1	80oct TreesNNE,NW
Sikeston (Mo) (Ark.)	2 NE; RR S	315	58 S6	80 oct. P-line W.
(P)Hot Springs Memor'l	3SW;hwy N	525	41h L5 S6	80,91 oct. Lgts prior req.
→ Eureka Springs (Ark)	6.5 NW;riv E	1150	24 S1	80 oct.NW blkd.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1; 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities.

L-lighting facilities. S-servicing (see page ·III →·. NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ST. LOUIS 41
JOPLIN 400 111.1, 116.1 MC
SPRINGFIELD 254 111.1, 116.1 MC.
ADVANCE 317 111.1, 116.1 MC
WALNUT RIDGE 362
BLYTHEVILLE 221
NAS. MEMPHIS 293 KC 142.74 MC.
MEMPHIS 278 KC 118.7 126.18 MC
LITTLE ROCK 353 116.1 MC
STUTTGART 269
ADAMS 278 KC 118.5, 126.18 MC
MEMPHIS 371 116.1 MC
FOR PINE BLUFF VHF RANGE SEE CHART 145
FORT WORTH 109
SHREVEPORT 113
SHREVEPORT 113
BIRMINGHAM 115
LITTLE ROCK 89
STATUTE MILES
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION 8° E TO 5° E
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
OKLAHOMA CITY 85
FORT SCOTT
NEVADA
GIRARD
ATKINSON
JOPLIN
HARPER
MIAMI
CLAREMORE
TULSA
MONKEY IS
NEOSHO
NEOSHO MUN.
DIAMOND
NEOSHO COM
MEYERS
CLOVER HILL
CASSVILLE
BRANSON
EUREKA SPRINGS
ROGERS
BENTONVILLE
SPRINGDALE
JOHN BROWN U.
TAHLEQUAH
STILWELL
FAYETTEVILLE
SMITH
ALMA
WHITMAN
FORT SMITH
PARIS
POTEAU
HEAVENER
BOWDEN
TOLOSON
HOT SPRINGS MEM'L
HARLAS
BENTON
ALTHEIMER
TONEY
GRIDER
TO TEXARKANA
CLARKSVILLE
PATTON
HEBER SPRINGS
ARKANSAS POLY.
CONWAY
NORMAN
BAILEY
ABINGTON
CENTRAL
CARLISLE
SEARCY
HAZEN
OVERHOLT
FORREST CITY
ROUND POND
BRINKLEY
WYNNE
LESSENBERRY
LEVEE
BOWEN
MARTIN
WRIGHT
WHITEVILLE
FISHERVILLE
MUSCLE SHOALS
WILSON
MEMPHIS FLY SVC
NESBITT
NEW ALBANY
OXFORD
SPOOK
DOCKERY
GILBRECH
THOMPSON-ROBBINS
SANDERS
BASS
MARKS
FLETCHER
GREENWOOD
COMMERCIAL
PRAIRIEVILLE
CLARKSDALE
BATESVILLE
IONESBORO
MILLTOWN
NEWPORT
ERWIN
SLOAN
WALNUT RIDGE
WALCOTT NO. 3
BLYTHEVILLE
MANILA
FLEEMAN
DYERSBURG MUN.
DYERSBURG AAF
KEITH
LUXORA
JACKS CREEK
BIGGERS
SEXTON
KENNETT
RAMSEY
MALDEN AAF
EARL FIELDS
WARD
DEXTER
VAN BUREN
WILLOW SPRINGS
SKY HAVEN
GAINESVILLE
MO
ARK
KING
CABOOL
OWEN
ROGERS
MCFARLAND
SPRINGFIELD
AURORA
MONETT
BUFFALO
BOLIVAR
LEBANON
DIXON
ROLLA
D.A.
FARMINGTON
FREDERICKTOWN
CRYSTAL CITY
PRAIRIE DU ROCHER
DU QUOIN
CHESTER
MURPHYSBORO
CARBONDALE
MACARIN
ILL
MO
ADVANCE
CAPE COMMERCIAL
HARRIS
EVANSVILLE
CHARLESTON
SIKESTON
NO. CAIRO
UPTOWN
STEWART
GIDEON
DOWNING
MORRIS
KY
TENN
KY
LOUISVILLE 56
NASHVILLE 91
KANSAS CITY
ST LOUIS
KANSAS CITY
OK
KANS
ST. LOUIS
ST LOUIS
MEMPHIS
FORT WORTH
MEMPHIS
TEXARKANA
OKLA
ARK
BLUE 34
BLUE 13
BLUE 22
RED 11
RED 53
RED 37
GREEN 5
AMBER 5
178
134
55
232
108
344
VICHY
310
85
157
209
353
88
60
268
54
68
30
314
352
232
231
247
112
209
20
84
264
119
200
356
142
265
161
214
85
176
34
299
240
65
102
118
106
359
173
83
263
58
60
38
35
137
32
313
353
24
21
36
50
75
25
0
95
93
91
89
38°05'
34°10'

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Abernathy(Pulaski,Tenn)	3.6 SSW;hwy NE	650	31 S1	80 oct. Trees E.
Ashland City (Tenn)	1.8 WNW	400	22 S6	80 oct. Riv SW. req.
➔ Athens (Ala)	3.2 NNW;hwy E	780	27 L S4	80 oct. Strip lgts prior
➔ Baldwyn (Miss)	0.5 E;rd S	380	15 S2	80 oct. S blkd Soft when wet.
Beaver Dam (Decatur)	7 E;RR W	580	20	(Ala)
BERRY Tower (Tenn)	278 (118.3, 126.18)		AC(ILS-W)	(4);126.18,118.3,122.5
(P) [Berry] (Nashville,Tenn)	6 SE;hwy S	606	55h L6 S6	73,100 oct
Bomar Airways (Shelbyville, Tenn)	5 N;hwy W	825	22 S6	80 oct. P-line W.
BOWLING GREEN Range	368 (BA)	296°,3.8	SBMRAZ-DT	(4)
(P) Bowling Green (Ky)	2.5 SSE;hwy W	540	40h L5 S4	80,91 oct. Fld lgts on req.to commun. stn.
Boyd (McMinnville,Tenn)	4.6 SW;RR N	1000	20	
Brown (Hohenwald,Tenn)	1 ESE; hwy S	950	20 S1	80 oct. P-line SE,SW
(A) Campbell AAF (Hopkinsville, Ky.) (A)	12.8 S;RR E	557	54h L5	
CHATTANOOGA Range (Tenn)	341(CG)(116.1)	203°,3.0	SBRAZ-DTV	(3); 116.1, 122.1
CHATTANOOGA-LOVELL Tower (Tenn)	278 (126.18, 118.9)		C	(4);126.18,118.9,122.5
[Chattanooga-Lovell]	5.5 E;RR E	678	45h L5 S6	80, 91 oct. (Tenn)
Clifton (Tenn)	1.4 E Lake W	402	28 S1	80 oct.
Cookeville (Tenn)	1.5 NNE;RR N	1050	25 S4	80 oct.Sto.in emerg. Poles W.
➔ Corinth 7,PS-TM(Miss)	5 WSW;hwy N	418	39 L3 S1	80 oct.
Cornelia Fort (Nashv'l) Tenn)	6 ENE;riv E	420	30 L S6	80 oct.Flood,strip lgts 2200, Mon thru Thurs.
➔ Courtland (Ala)	1.8 W	588	50h	CLOSED.
(P) Crossville,9,NA-WA	3.3 WNW;hwy S	1862	30 L3	(Tenn)
Cumberland (Nashville)	3 NNW;riv N	400	34 S6	80 oct.No sto.(Tenn)
Dalton (Ga)	5.7 ESE	700	22 S1	80 oct.
Davenport (Ft.Payne,Ala)	1.1 E;RR,hwy NW	1010	26 L S4	80 oct.Flares prior req.
DeSoto Park Land.Strip (Ft.Payne, Ala)	6 NE	1556	18	
Dick's (Fayetteville,Tenn)	1.5 S;hwy E	600	14	P-line E;trees W
Franklin Air Svc.(Tenn)	1.3 WSW	645	18 S1	80 oct.E blocked.
Garnett (Hopkinsv'l,Ky)	5.5 SSE;RR W	550	23 S4	80 oct.
(P) Gill-Dove (Martin,Tenn)	3.5 S;hwy E	416	35 S6	80 oct.
★ Graham Int,59,DL-LV	1.5 NW;hwy E	536	27 L3	(Tenn)
Graves Co.(Mayfield,Ky)	3.6 ENE;hwy S	543	26 S1	80 oct.
➔ Guntersville Dam (Ala)	9.1 NW;hwy E	600	30	Reservoir S.P-line SE.
Hartselle (Ala)	1 WSW;hwy N	588	18 S4	80 oct. Ctn.
➔ Humboldt (Tenn)	4.6 ESE;hwy W			ABANDONED.
➔ [Huntsville] (Ala)	3.1 S;RR E	610	38h S6	80-91 oct.Hills NE,E,S.
➔ (A) Huntsville Arsenal (A)	7 SW;RR NW	677	50h L5	(Ala)
JACKS CREEK Range (Int.) (Tenn)	332(JK)(116.1)	186° 2.62	BMRLZ-DTV	(4); 116 1
★ Jacks Creek Int.	2 N;hwy E	550	43 L3	53, DL-LV (Tenn)
NEW FACILITIES				
Jackson (Tenn)	2.5 ENE	450	28 S6	80 oct. Hwy NW.
La Fayette-Trion (Trion)	3 NNE;RR W	722	21 S1	80 oct.Hwy E (Ga)
Lebanon (Tenn)	1.8 SW;hwy E	522	28 S6	73 oct No sto.
Lexington (Tenn)	0.5 E;RR W	520	10 S1	80 oct.
Lewisburg (Tenn)	0.5 S;RR E	720	18 S2	80 oct. P-line N.
(P) McKellar (Jackson,Tenn)	5.8 W;RR S	410	36h S6	80 oct.
Madison Air Strip (Tenn)	2.3 ESE	560	19 S6	80 oct. No sto.
★ Manchester Int,16A,AG-NA (tenn)	4.5 ESE;hwy SW	1090	29 L3	53' trees W, N.
Maury Co.(Mt.Pleasant)	2.5 ENE;RRSW	672	31 S2	80 oct.P-line NW.(Tenn)
Milan (Tenn)	2.8 NNE	421	25 S5	80, 91 oct. RR SE.
MUSCLE SHOALS Range	251(ED)(116.1)	282°,4.6	SBRAZ-DTV	(4); 116.1 (Ala)
➔ Muscle Shoals (Ala)	1.5 E;rd N	545	40h L5 S1	80,91 oct No fuel for mil acft
NASHVILLE Range (Berry)	304(NA)(116.1)	246°,2.6	SBMRAZ-DTV	(3); 116.1,122.1
North Sauty Base (Scottsboro, Ala)	3.2 SSW; Lake S	610	20 S1	80 oct.
Outlaw (Clarksville,Tenn)	7.4 NNW	550	37 S5	80 oct. RR W
[Paducah-McCracken Co] (Paducah, Ky)	8.8 W;RR N	405	40h L5 S6	80,91 oct.No sto.Fld lgts prior req.
Paris (Tenn)	4.3 NW;hwy N	500	28 S6	80 oct.No sto.P-line N, NW-
Pryor (Decatur, Ala)	4 NNE;hwy W	588	44 S6	80, 91 oct.
Rossville (Ga)	2.1 SSW	760	21 S1	80 oct.S blkd. Hwy E.
Sky Harbor (Murfreesboro, Tenn)	7.3 NW;hwy SW	560	39 S6	73 oct. No sto. P les NE.
SMITHVILLE Range (Int.)	347(XM)(116.1)	177°,1.4	SBMRAZ-DTV	(4); 116.1 (Tenn)
★ Smithville Int,5,NA-WA	1 E;rd S	1073	34 L3 S1	80 oct. (Tenn)
SMYRNA AAF Tower (Tenn)	219 (126.18)+		CA (ILS)	(3); 126.18
(A) Smyrna AAF (Nashville, ➔ Tenn)(A)	17 SE;RR SW	512	55h	TMP INACT-NO FACS.
S.T.College(Murfreesb'o)	2 E; hwy N	600	34 S4	80oct.Poles N.(Tenn)
Thomas(Chattanooga)	3 N;RR E	640	38	(Tenn)
University of South	1.8 WNW;RR NE	870	23 S2	80 oct. (Cowan,Tenn)
Wilks (Fayetteville,Tenn)	2.5 NNW;hwy E	650	20 S2	80 oct.
(A) William Northern (A)	2 WNW;rd S	1081	50h	CLOSED. (Tullahoma.
Wood-Dearing(Russellv'l,Tenn)	4 E	780	20 S4	Fuel from town Tenn)

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mes, Compass Locator in kcs)*

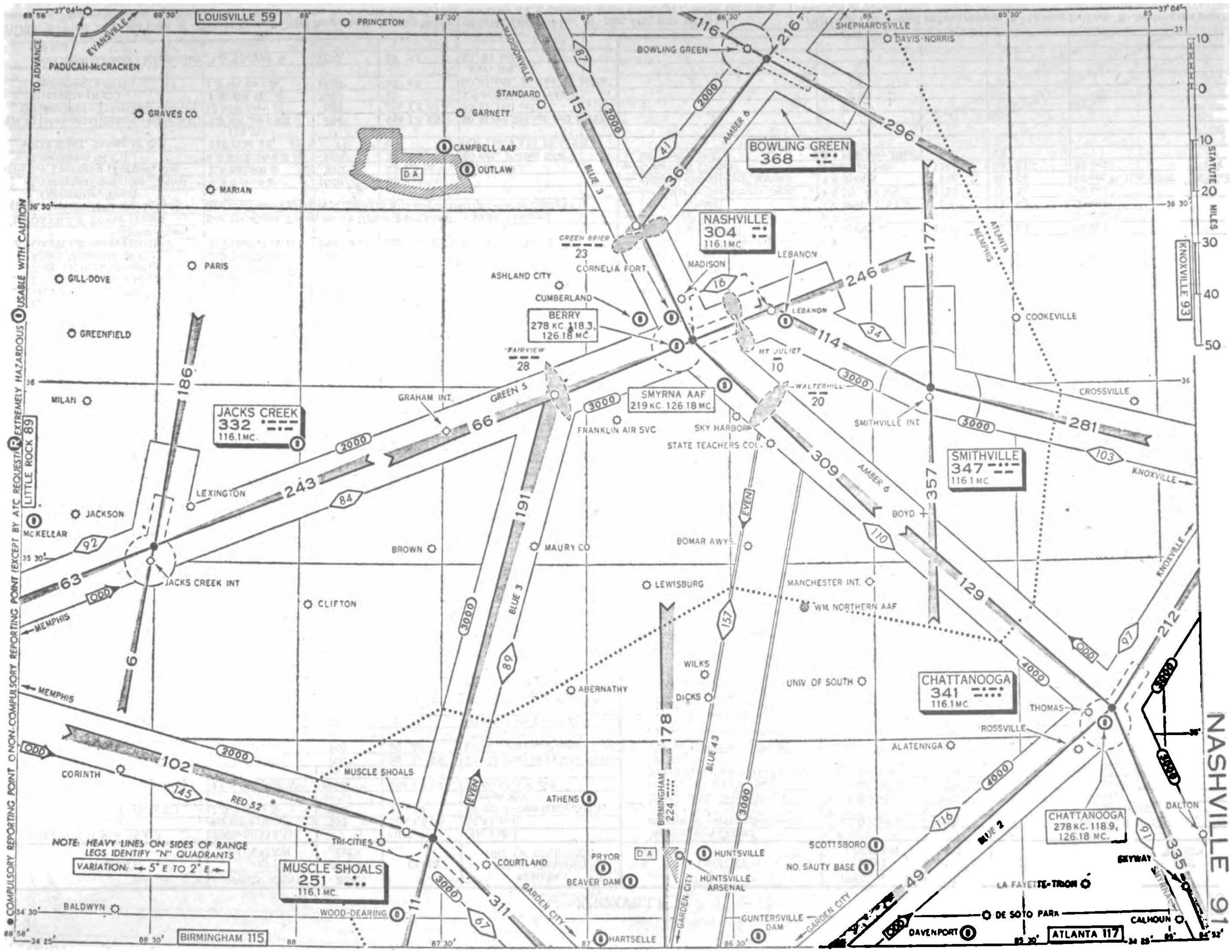
LOCATION	LC LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BERRY	109.9		14°	IM-	MM- •—•—(0.81)	OM- — — (5.7)
					MMK-356 •— • •	OMK-375 • • •—
SMYRNA AAF (A)	109.5	332.6	230°	IM- (0.04)	MM- •••••(0.81)	OM- — — (4.31)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Greenfield (Tenn)	2 SSW;riv S	410	35 S1	80 oct.P-line N
Moody(Oneonta,Ala)	1.5 NE;hwy 0.5 NW	790	18 S4	80 oct.Soft when wet blkd,
Abington (Beebe,Ark)	1.5 WSW;RR S	300	24 S1	80 oct.P-line SE,N,NE,
Princeton (Cedar Bluff)	4 SSW;hwy S	400	25 S1	80 oct.Trees SW.(Ky)
Standard (Elkton,Ky)	0.5 SW;hwy N	540	22 S1	80 oct.Water tank E of N
Marian (Hazel, Ky)	3 2 N;hwy E	532	21 S1	80 oct.Poles E,NE. end
Davis-Norris (Glasgow)	1 4 WSW;hwy SE	760	20 S1	91,80 oct.Muddy. strip
➔ Skyway (Calhoun,Ga)	4.5 N;RR E	730	15 S1	80 oct.
➔ Tri-Cities (Tuscumbia,Ala)	1.2 SW;hwy .5 ENE	500	26 S4	80 oct.
➔ Alatennga (Bridgeport,Ala)	3 NNW;hwy SE	650	20 S4	80 oct.P-line NE.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● -A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) ➔ New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


LOUISVILLE 59
PRINCETON
EVANSVILLE
PADUCAH-McCRACKEN
TO ADVANCE
GRAVES CO
GARNETT
STANDARD
MADISONVILLE
BOWLING GREEN
SHEPHARDSVILLE
DAVIS-NORRIS
CAMPBELL AAF
D A
OUTLAW
MARIAN
BOWLING GREEN 368
NASHVILLE 304 116.1 MC
GREEN BRIER 23
CORNELIA FORT
ASHLAND CITY
CUMBERLAND
BERRY 278 KC. 118.3, 126.18 MC.
MADISON
LEBANON
PARIS
GILL-DOVE
GREENFIELD
"FAIRVIEW 28
MT. JULIET 10
WALTERHILL 20
COOKEVILLE
CROSSVILLE
MILAN
GRAHAM INT.
GREEN 5
JACKS CREEK 332 116.1 MC.
SMYRNA AAF 219 KC. 126.18 MC.
FRANKLIN AIR SVC
SKY HARBOR
STATE TEACHERS COL.
SMITHVILLE INT.
SMITHVILLE 347 116.1 MC
KNOXVILLE
LITTLE ROCK 89
LEXINGTON
JACKSON
McKELLAR
JACKS CREEK INT
BROWN
MAURY CO
BOMAR AWYS.
BOYD
MANCHESTER INT.
CLIFTON
LEWISBURG
WM. NORTHERN AAF
MEMPHIS
ABERNATHY
WILKS
DICKS
UNIV OF SOUTH
CHATTANOOGA 341 116.1 MC
THOMAS
ROSSVILLE
ALATENNGA
CORINTH
MUSCLE SHOALS
ATHENS
BIRMINGHAM 224
TRI-CITIES
COURTLAND
PRYOR
BEAVER DAM
HUNTSVILLE
HUNTSVILLE ARSENAL
SCOTTSBORO
NO. SAUTY BASE
CHATTANOOGA 278 KC. 118.9, 126.18 MC.
DALTON
SKYWAY
LA FAYETTE-TROUP
DE SOTO PARK
CALHOUN
DAVENPORT
GUNTERSVILLE DAM
HARTSELLE
WOOD-DEARING
BALDWYN
MUSCLE SHOALS 251 116.1 MC.
BIRMINGHAM 115
ATLANTA 117
GARDEN CITY
ATLANTA MEMPHIS
AMBER 6
BLUE 3
BLUE 43
BLUE 2
RED 52
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 5° E TO 2° E
COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) R EXTREMELY HAZARDOUS ○ USABLE WITH CAUTION
STATUTE MILES
NASHVILLE 91

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ANDERSON H Fac. (S.C.)	236(AS)(116.1)		MHTV	(4); 116.1
Anderson (S.C.)	4.5 WSW;hwy S	783	50h L5 S6	80,91 oct.
Ashley (Honea Path, S.C.)	1.5 E;hwy N	780	21 S2	80 oct.P-line WNW,NNW; trees SSE.
(P) [Asheville-Hendersonville] (Asheville, N.C.)	11.5 SSE;RR W	2090	40h L5 S4	73,80,91,100 oct.
(P) Barksdale (Laurens, S.C.)	2.8 E;RR NE	700	30 L S6	73 oct.Port rnwy lgts.P-line
Belmont (N.C.)	1.3 NE;riv E	740	20 S6	80 oct. No sto.P-line NE WNW.
→ Black Mountain (N.C.)	1.8 SW; RR N	2270	25 S2	80 oct. Soft.Trees E,W.
Bridges (Kings Mountain,N.C.)	1 SW;RR SE	930	17 S2	80 oct.
Bridges Arpk (Shelby, N.C.)	3.3 NE;lake W	975	18 S6	80 oct.Trees SSW,ESE.
Bristol (Va)	3 NE		18 S1	80 oct. Data unver.
Brockenbrough (Derita,N.C.)	3.8 WNW;RR E	800	22 S6	80 oct. P-line SSE.
Burris (Lincolnton, N.C.)	2.2 SW;RR SE	960	10	UNUSABLE.
Byers (Shelby, N.C.)	3 SE;RR SW	875	16 S4	80 oct.
Cannon (Charlotte, N.C.)	3 WNW; hwy S	788	24 L S6	80,91 oct.Flood lgts on req
CHARLOTTE Range (Douglas) (N.C.)	212 (CF)(116.1)	359°,1.7	BMLZ-DTV	(3); 116.1
Chesnee (S.C.)	2 S; RR W	910	18	PRIVATE.
(P) Chester (S.C.)	5 NNE; RR W	709	50h S4	80 oct. No sto.
Chilhowie,29B,NA-WA (Va)	3.9 SE;riv N,SW	2100	34 L3 S4	80 oct.P-lines SW,NE.
Coulbourn (Lancaster, S.C.)	1 SSW;hwy SW	560	32 S4	80 oct.
DOUGLAS Tower (N.C.)	396 (126.18,118.9)		C	(4); 126.18,118.9,122.5
(P) [Douglas] (Charlotte, N.C.)	5.5 W;RR N	745	52h L5 S6	80, 91 oct.
Elkin (N.C.)	2.8 SW;RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Fairforest (Spartanburg,S.C.)	5.8 WNW;rd W	830	23 S6	80 oct.
Francis Marion (Marion,N.C.)	2.5 NE;RR E	1450	19 S6	80 oct. Hill E
→ Franklin (N.C.)	1.2 ESE;riv W	1996	28 S2	80 oct.
Galax (Va)	6.5 S;hwy E	2575	27 S4	80 oct.
Gastonia, mun. (N.C.)	4.5 SSE;hwy SW	800	30h L S1	80,91 oct. Port rnwy lgts on req.
GREENVILLE Range (S.C.)	281(GC)(116.1)	2° ,1.9	BMLZ-DTV	(4);116.1,122.1
[Greenville] (S.C.)	3.2 E;RR SE	1015	42h L5 S6	80,91 oct. 100 oct. in emerg. No bndry lgts.
GREENVILLE AAB Tower (S.C.)	272 (126.18)+		CA	(3); 126.18
(A) Greenville AAB (S.C.) (A)	7.5 SSE;hwy W	959	55h L5 S6	73,100 oct. JP-1. No sto.
H & H Flying Service (Brevard, N.C.)	1.5 ENE;riv S RR N	2140	20 S1	80 oct. P-line WNW.
Hendersonville (N.C.)	1.5 ESE;RR SE	2200	30 S6	80, 91 oct. SE blkd.
Hickory (N.C.)	2.2 W;RR S	1180	40h S6	80, 91 oct.
Island (Knoxville, Tenn)	2.5 E	831	43 S6	80,91 oct.
Jasper (Ga)	1 N;RR W	1935	17 S2	80 oct.
Johnson City (Tenn)	3.8 NE	1560	21 S6	81 oct. No sto.
Jose:hson (Asheville, N.C.)	3 W;riv E	2200	20 S1	80, 91 oct.
King Field (Clemson, S.C.)	2.4 ENE;RR NW	900	20 S4	80 oct. Trees N.
Kings Mountain (N.C.)	3.5 SW-RR SE	980	23 S2	80, 91 oct.
KNOXVILLE Range (McGhee Tyson)Tenn.	257 (KX)(116.1)	192°,2.8	SBRAZ-DTV	(3); 116.1, 122.1
KNOXVILLE Tower (Tenn)	See Mc-Ghee Tyson under "New Facilities" - name changed			
(P) [Knoxville-McGhee-Tyson] (Knoxville, Tenn)	See McGhee-Tyson Arpt listed in alphabetical order-name changed			
Lakeside (Dandridge, Tenn)	6.5 E;hwy S	1000	23	
(P) Le Tourneau (Toccoa, Ga)	2.5 NE;RR S	950	49 L3 S4	80, 91 oct.
Lincolnton (N.C.)	3.2 ENE;hwy S	960	23 S6	80 oct. P-line SSW
MEMORIAL Tower (S.C.)	317 (126.18, 118.7)		C	(4); 118.7,126.18,122.5
(N,P) [Memorial] (Spartanburg,S.C)	2.5 SW;hwy SE	804	44h L5 S6	80,91 oct.100 oct.mil.NATS.
(P) [McGhee-Tyson] (Knoxville)	12 SSW;hwy E	988	50h L6 S6	80,91,100 oct.
Micaville (N.C.)	1 S; RR W	2500	21	N,S blocked. Creek E.
Middlesboro (Ky)	1.2 W; hwy S	1150	23 S6	80,91 oct. P-line W. Mtns sur. fld.
Morganton-Lenoir (Morganton, N.C.)	7.5 NE;hwy W	1253	33 S2	80, 91 oct.
Morristown (Tenn)	5.7 ENE	1400	19 S1	73 oct.
Newton-Conover (Newton, N.C.)	2 N;RR,hwy E	1030	15 S6	80 oct. NNE blocked. Trees ENE.
North Wilkesboro (N.C.)	1.3 WSW;riv S	970	15 S4	80 oct.
Owens (Asheville, N.C.)	2.3 SSW;RR E	1988	25 S6	80, 91 oct. E blocked.
Paris Mountain (Greenville, S. C.)	4.2 NNW;RR E	1006	21 S6	80 oct. Pwr line NW.
Pierce (Kingsport, Tenn)	3 S;RR NW	1210	22 S6	80 oct.
Powell Valley (Big Stone Gap, Va)	4 ESE;hwy NW	1700	25 S4	80 oct. P-line ENE;hills W.
Pulaski Co. (Sumerset, Ky)	3.5 SSW;hwy E	675	16 S1	80 oct. P-line E,W.
Rice (Monticello, Ky)	1.8 NE;hwy W	920	18 S2	80 oct.P-line W.Mtns E.
Roddey (Rock Hill, S.C.)	2.7 SW;RR NW	664	28 S4	80,91 oct.P-line S.
Rutherford (Spindale, N.C.)	7.5 SSE;RR N	1012	17 S4	Trees NNW.
SPARTANBURG Range (Memorial) (S.C.)	248 (SU)(116.1)	58°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
Spindle City (Gastonia, N.C.)	3.2 E;RR N	795	19 S2	80 oct.
Statesville (N.C.)	4.5 WSW; RR SE	990	27 S2	80 oct. Trees N.
→ Sylva (N.C.)	2.4 NE;riv SW	2039	23 S2	80 oct.
TRI-CITY Range (Tenn)	221 (TI)(116.1)	252°,3.3	SBMRAZ-DTV	(3);116.1,122.1
TRI-CITY Tower (Tenn)	278(118.7)		C	(4); 118.7,122.5,126.18
(P) [Tri-City] (Bristol,Tenn)	14.5 SW	1518	45h L5 S6	80, 91 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

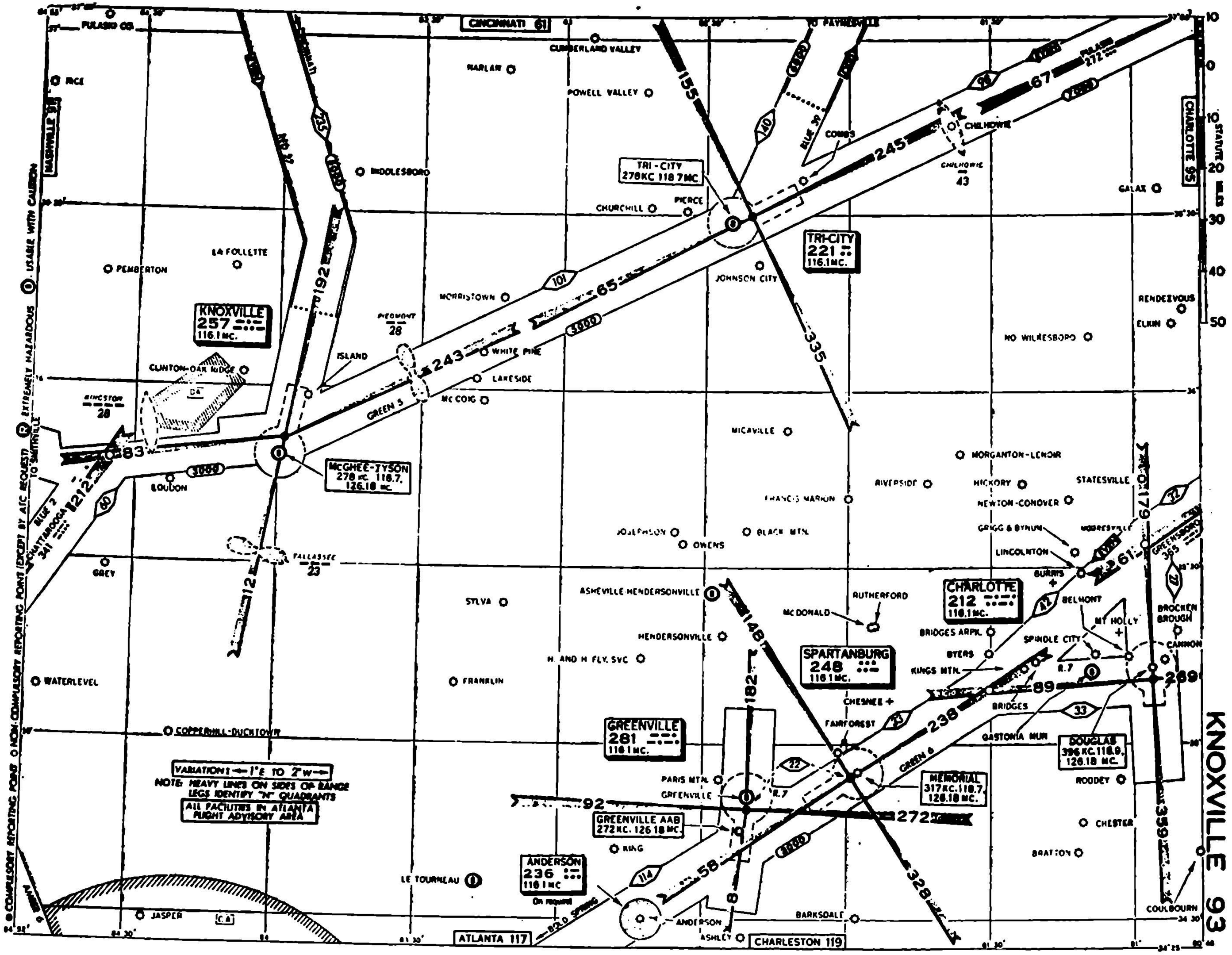
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
Mc-GHEE TYSON	110.3	335	44°	MM- ·—·— (0.61)	OM- ——· (4.34)
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-

NEW FACILITIES

→ Combs (Bristol,Va)	3 NE	1865	20 S6	80 oct.P-line N.
McDonald (Spindle,N.C.)	1.2 SSE;hwy W	1000	20	Trees S.
Mc-GHEE TYSON Tower (Tenn)	278 (126.18, 118.7)		C (ILS)	(4);118.7,126.18,122.5
→ Harlan (Dillon,Ky)	0.5 E;RR N	1150	21 S1	80 oct.Pole E.Ctn.Mtns
→ Riverside Arpk (Morganton,N.C.)	2 W;riv NE	1020	22 S2	80 oct.Mtn E.
→ Rendezvous (Jonesville,N.C.)	1 E;riv N	1000	22 S1	80 oct.NW blkd.
→ Bratton (Chester,S.C.)	1.4 SE;RR SW	550	17 S2	80 oct.Emerg. only.
→ Copperhill-Ducktown	2.5 NE	1700	15	(Copperhill, Tenn)
→ Waterlevel (Cleveland,Tenn)	3 SSE;hwy N	800	20 S1	80 oct. N,S blkd.
→ Grey (Athens, Tenn)	2.2 N;RR E	691	23 S4	80 oct.
→ Pemberton(Glenmary,Tenn)	0.8 NNE;RR W	1370	18	E,W blkd.
→ White Pine (Tenn)	0.5 S;hwy E	1160	18 S1	80 oct.
→ Mc Coig(Newport, Tenn)	5 W;hwy N	1330	16	P-line E
→ London (Tenn)	1.8 WSW;riv 1 N	800	14 S1	80 oct
→ La Follette(Jacksboro,Tenn)	1.5 NE;RR NW	1129	18 S1	80 oct
→ Clinton-Oak Ridge(Clinton)	4.6 S;rd S	860	20 S4	80 oct.P-line WSW;ENE blkd.
→ Churchill (Tenn)	1 SE;riv 1 S	1240	22 S1	80 oct. (Tenn)
→ Mt. Holly (N.C.)	2.5 NW;hwy,RR E	850	20	

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ▶ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. (Dotted) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are lowercased and non-capitalized.


KNOXVILLE 93
CINCINNATI 61
PULASKI CG
RICE
CUMBERLAND VALLEY
HARLAN
POWELL VALLEY
PAYNESVILLE
NASHVILLE 81
CHARLOTTE 85
MIDDLESBORO
COMBS
CHILHOWIE
CHILHOWIE 43
TRI-CITY 278KC 118.7MC
TRI-CITY 221 116.1MC.
CHURCHILL
PIERCE
GALAX
LA FOLLETTE
PEMBERTON
KNOXVILLE 257 116.1MC.
MORRISTOWN
JOHNSON CITY
PIEDMONT 28
RENDEZVOUS
ELKIN
ISLAND
WHITE PINE
LAKESIDE
CLINTON-OAK RIDGE
KINGSTON 28
McCOIG
MT WILKESBORO
GREEN 5
MICAVILLE
McGHEE-TYSON 278 MC. 118.7. 126.18 MC.
MORGANTON-LENOIR
RIVERSIDE
HICKORY
STATESVILLE
NEWTON-CONOVER
FRANCIS MARION
LOUDON
JOSEPHSON
OWENS
BLACK MTN
GRIGG & BYNUM
LINCOLNTON
GREENSBORO 365
BURRIS
GREY
FALLASSEE 23
ASHEVILLE HENDERSONVILLE
RUTHERFORD
MC DONALD
CHARLOTTE 212 116.1MC.
BELMONT
MT HOLLY
BROCKENBROUGH
SYLVA
HENDERSONVILLE
H AND H FLY. SVC
BRIDGES ARPK.
SPINDLE CITY
BYERS
CANNON
SPARTANBURG 248 116.1MC.
KINGS MTN.
WATERLEVEL
FRANKLIN
CHESNEE
BRIDGES
COPPERHILL-DUCKTOWN
FAIRFOREST
GASTONIA MUN
DOUGLAS 396 KC. 118.9. 126.18 MC.
GREENVILLE 281 116.1MC.
MEMORIAL 317 KC. 118.7 126.18 MC.
PARIS MTN.
GREENVILLE
ROODEY
GREENVILLE AAB 272 KC. 126.18 MC.
CHESTER
RING
ANDERSON 236 116.1 MC
On request
LE TOURNEAU
BRATTON
JASPER
BARKSDALE
COULBOURN
ANDERSON
ASHLEY
ATLANTA 117
CHARLESTON 119
VARIATION 1° E TO 2° W
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY A/C REQUESTING TO SWITCH)
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
STATUTE MILES
NAUTICAL MILES

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FRFQS. GUARDED, HRS. OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-DTV;359°, 1.7	(3):116.1,122.1
DOUGLAS ARPT. (Charlotte)	396(126.18, 118.9)	C	(4); 126.18,118.9,122.5
GREENSBORO	365(GW)(116.1)	SBRAZ-DTV	(3):116.1,122.1
Greensboro-High Point Airport	219(126.18, 118.7)	C; 241°, 1.5	(4):118.7,126.18,122.5
LUMBERTON	278(FRE)	MH	(3)
POPE (Ft. Bragg) (Army)	338(DOP) (116.1)	SBMRAZ-V ;385°,2.3	(3); 116.1
Pope Field	396(126.18)+	CA(ILS):355°, 2.3	(3);126.18
RALEIGH (Raleigh-Durham Arpt.)	350(DU)(116.1)	SBRAZ-DTV(ILS) 299°, 3.8	(3);116.1,122.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18, 118.3)	C	(4); 126.18,118.3,122.5
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	MRLW2;328°, 5.1	
[redacted]			
FLORENCE	320(FLX)(116.1)	SBMRLZ-DTV, 292°,1.7	(4):116.1,122.1
[redacted]			
DANVILLE	344(VEX)(116.1)	MRTV	(4):116.1 (Manned 8-24)
PRESTON GLENN (Lynchburg)	248	C	(4)
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-DTV, 247°, 2.1	(4); 116.1
ROANOKE (Woodrum Field)	371(ROI)(116.1)	SBRAZ-DTV, 349°,2	(3); 116.1
WOODRUM FIELD (Roanoke)	278 (116.5)	AC	(4); 122.5,118.5,126.18
[redacted]			
RALEIGH-DURHAM (Raleigh),N.C.	278 (126.18)	C	(4):126.18, 122.5,118.3

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in oct., Compass Locators in dec)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
POPE(A)				DECOMMISSIONED		
RALEIGH,	109.6	333.8	48°	IM-	MM- ---- (0.62)	OM- ---(4.45)
					MMK-	OMK
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice, W Without Voice, Z VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice
+ - Army ACS transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS [redacted]

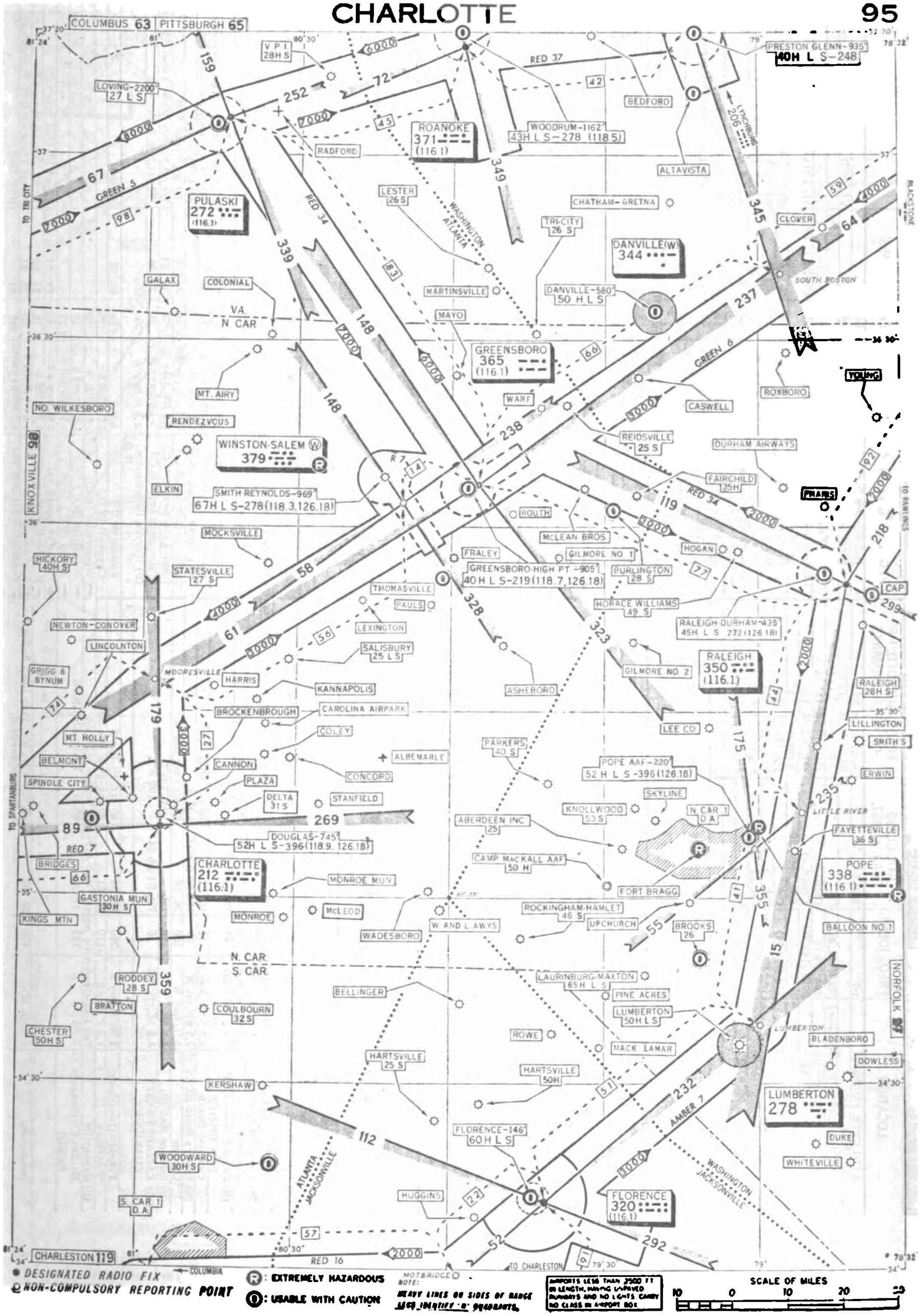
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W,RR N	450	25 S2	80 oct E,SE,W,NW blocked
Asheboro	1.8 SSW	864	18 S2	80 oct. Hwy NW.
(A)Ballcon(Ft.Bragg)(A)	1 NNW,RR E	225	22	
Belmont	1.3 NE,riv E	740	20 S6	80 oct.No sto.P line WNW
Bridges(Kings Mtn.)	1 SW,RR SE	930	24 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW, RR E	800	22 S6	80 oct.Pole line SSE.
Brooks(Red Springs)	1.2 N,RR SE	208	26	
(P)Burlington	4 SW,hwy W	638	37h L5 S6	80 oct.Pole line S.
Burris(Lincolnton)(NC)	2.2 SW,RR SE	960	10	UNUSABLE.
(A)Camp MacKall AAF (A) (Hoffman)	3.5 E	350	50h	TEMP INACT. NO FACS.
Candor (NC)	1.1 E,RR N	710	10	Pole line WNW.
Cannon (Charlotte)	3 WNW,hwy S	760	24 L S6	80,91 oct. Prod lgts req
Carolina Arpk Inc. (Kannapolis)	3.1 SSE;RR W	730	19 S3	80 oct.
Caswell (Yanceyville)	3.2 W; hwy E	840	20 S2	80 oct. line W, S
Coley (Concord)	2 SW.	790	12 S2	80 oct. Trees ESE,F wr
Colonial Flying Svc. (Mt. Airy)	1.4 NNE,RR S	950	15 S1	80 oct,Pole line,trees NNW.
Concord	4.5 ESE,rd F,S	700	16 S6	80 oct.Pole line NE.

h-hard surfaced runways, R-radio facilities L-lighting facilities S-servicing. (See page XIII NC (not charted). → NEW OR REVISED DATA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delta Air Base (Charlotte)	6.7 E,hwy S	750	J1 S8	80,91 oct.No sto.Poles NW
(P) DOUGLAS(Charlotte)	5.5 W,RR N	745	52h R2 L5 S3	80,91 oct.
Durham Airways	7.8 N,RR SE	490	16 S6	80 oct.
Elkin	2.8 SW,RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Erwin	1 SW,riv SW	195	30 S4	80,91 oct.
Fairchild (Burlington)	1.5 E,RR S	640	35h S4	80 oct.Trees N
Fayetteville	5 N,hwy E	338	36 L1 S6	80 oct. Pwr line E.
Fraley (High Point)	2.5 SSE,RR W	1000	17 S6	80 oct.Strips rough, Trees SE.
Gastonia	1.3 SW			ABANDONED
Gastonia, mun.	4.5 SSE,hwy SW	800	30h L S1	80,91 oct. Port. rnwy lgts on req.
Gilmore No. 1(Gulian)	0.6 SE,RR N	760	10 S1	80 oct.
Gilmore No.2 (Silver City)	4.1 SE,RR W	550	22	Pwr line SSE.
(N) GREENSBORO HIGH POINT	8 WNW,RR SW	905	40h R2 L5 S6	80,91,100 oct.NATS
Hickory	2.2 W,RR S	1180	40h S6	80,91 oct.
Hogan (Chapel Hill)	3.6 NW;hwy E	530	20 S2	80 oct.Trees SSE.
Horace Williams (Chapel Hill)	1.3 NNW,RR W	502	49 S4	80 oct.
Kannapolis	2.8 N,RR E	750	23 S6	80 oct. Trees WNW.
Kings Mountain	3.5 SW,RR SE	980	23 S2	80,91 oct.
Knollwood (Pinehurst)	5 NE,hwy W	455	53 L5 S4	80,91 oct.
Laurinburg-Maxton (Maxton)	3.5 N,riv E	220	65h L5 S6	80,91 oct. No flood lgts. Data unver. Lgts on req.
Lee County (Sanford)	1.5 SE,RR E	400	19 S4	80 oct.No sto.P- line sur fld.
Lexington	2.3 SW,RR E	735	21 S1	80 oct.Pole lines SSW.
Lillington	1.1 NNE,RR S	210	15 S2	80 oct.Pole line NW.
(P)Lumberton	3 WSW	128	60h R1 L2 S6	80,91,100 oct.Hwy NNW.
McLean Brothers (Gibsonville)	0.5 SW,hwy NE	725	18 S6	80 oct.
Mayo (Mayodan)	0.8 W,riv E	900	24 S1	80 oct.
Mocksville	2 W,RR E	800	14 S2	80 oct.
Monroe, com.	2.8 SSE	600	20 S2	80 oct.
Monroe, mun.	2 NNW,hwy SW	680	29 S4	80,91 oct, P-line SE,SSW.
Mt. Airy	2.2 SW,RR E	1050	20 S2	80 oct. WSW
Newton-Conover (Newton)	2 N; I.R, hwy E.	1030	15 S6	80 oct. NNE bldg. Trees ENE.
North Wilkesboro	1.3 WSW,riv S	970	15 S4	80 oct.
Parkers (Eagle Spgs)	1.8 NW,RR	700	40 S1	80,91 oct.SW bldg.
Pharis (Durham)	8.1 NE,RR E	310	26 S4	80,91 oct. Pole line, trees NE,WNW,SW.
Pine Acres (Laurinburg)	3.1 SW,RR NNE	205	12 S1	80 oct.
Plaza (Charlotte)	5 NE,RR N	740	20 S6	80 oct.P-line S
(A)Pope (Ft.Bragg)(A)	2 NW,riv NW	220	52h R3 L5 S6	73,100 oct
Raleigh	3.3 SSW,RRW	364	28h S6	80,91 oct.
RALEIGH DURHAM (Raleigh)	10.5 NW,RR W	435	46h R3 L6 S4	80,91,100 oct.
Reidsville	3.2 SE,riv S	822	25 S6	80 oct.
(P)Rockingham-Hamlet	3.5 S,RR E	358	46 S2	80 oct.
Routh (Greensboro)	3.3 S,RR E	840	18 S4	80 oct. Trees NE,W.Hwy E.
Roxboro	7 NE,RR 2.3W	600	24 S2	80 oct.
Salisbury	3 SW,RR E	764	25 L2 S6	75 oct.
Skyline (Southern Pines)	4.5 NE,RR NW	460	21 S4	80 oct. No sto. Pwr line S.
(P)SMITH-REYNOLDS (Winston-Salem)	2.8 NNE,RR W	969	67h R2 L5 S6	80,91 oct. Rnwy data unver.
Spindle City (Gastonia)	3.2 E;hwy N	795	19 S2	80 oct.
Stanly (Albemarle)	6 WNW,hwy S			ABANDONED
Statesville	4.5 WSW	990	27 S2	80 oct. Trees N. RR SE.
Thomasville	3.5 ESE,	880	14 S2	No fuel, hwy N.
Tri-City (Draper)	1.2 W,riv W	960	26 S2	80 oct.
Upchurch(Raeford)	0.5 NNE	255	15 S2	80 oct. RR SSW.
Wadesboro	3.7 NNE	230	18 S4	80,91 oct. RR S
Warf (Reidsville)	3.8 SW,hwy W	820	25 S2	80 oct. Trees N,S.
Whiteville	3.7 S,RR N	60	18 S1	Lgt 80 oct.
Young Airfield (Oxford)	1.8 SW,RR NW	475	18 S1	80,91 oct P-line E

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Chesner	5 NNE,RR W	709	50h S4	80 oct. No sto.
Coulbourn(Lancaster)	1 SSW,hwy SW	560	32 S4	80 oct.
Florence	3.5 E,RR SW	146	60h R1 L5 S1	80,91 oct.
Hartsville	2.1 NNE,	230	25 S2	80 oct. Hwy S.
(P)Hartsville (Darlington)	10 N,hwy E	190	50h	
Legion (Timmonsville)	1.5 ENE, hwy NW	140	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S,RR W	475	21	
Little Rock	2.5 SE,hwy W			ABANDONED
Lynch Bellinger (Cheraw)	4.2 WNW, RR S	400	22 S4	80 oct.No sto.Pole line S, WSW.
Palmer (Bennettsville)	3.4 NNW, hwy E			ABANDONED
Roddey (Rock Hill)	2.7 SW,RR NW	664	28 S4	80,91 oct. Pole line S.
Rowe (Bennettsville)	1.5 NE	190	26 S6	80,91 oct. Trees SW.
(P)Woodward (Camden)	2.9 NE,hwy E	308	30h S1	80,91 oct.
[redacted]				
Altavista	6.1 NE,riv 28	650	21	
Bedford	1.3 WSW.	1050	16	PRIVATE. RR N
Clover	3.5 SSW, riv E	350	20	Trees E,W,SE,NW, House E,SE.
(P)Danville	3.4 ESE	560	50h L5 S6	80,91 oct.
Galax	6.5 S,hwy E	2575	27 S4	80 oct.
Lawson (Martinsville)	0.8 NNW, RR N	1000	24 S6	80,91 oct,20-75' bldgs SE.
Loving, 35A, NA WA (Pulaski)	2.8 N,RR SE	2200	27 R1 L3 S4	80 oct. Poles SW.No sto.
Martinsville	3.5 SSE, RR NE	900	17 S6	80 oct.
(P)PRESTON GLENN (Lynchburg)	6.7 SSW, RR SE	935	40h R2 L5 S6	80, 91 oct.
V.P.I. (Blacksburg)	1.3 SSE,RR W	2100	50h L S6	80,91 oct,Flood lgts on 100 oct army.
(P)WOODRUM (Roanoke)	4.2 NNW	1162	43h R2 L5 S6	80,91,100 oct. Rd W.
[redacted]				
Harris (Hobgoodsville) (N.C.)	2.5 ESE; RR NW	500	14 S2	80 oct.
Mc Leod (Wingate)(N.C)	1 SE; RR	365	22 S2	80 oct ; o sto
Paul's Air Park (Thomasville,N.C.)	8.5 SSE	775	18	80,91 oct.
Cap (Raleigh,N.C.)	3.5 NNE; RR E	460	35 S6	80,91 oct.High trees S, SW appchs.NNE bldg.
Duke Fld (Chadbourn, N.C.)	1 N;RR SW	98	20 S4	80 oct.
Radford, (Va.)	2 SW	1600	19 S1	Fuel.Data unver.
Grigg & Bynum Arpk (Malden,N.C.)	2.5 S;hwy W	795	18	
Stanfield (N.C.)	1.3 N;hwy E	700	18 S2	80 oct.
Lincolnton (N.C.)	3.2 ENE	1500	30 S6	80 oct. P-line SSW
Rendezvous(Jonesv'l)	1.0 E;riv N	1000	22 S2	80 oct. NW bldg. (N.C)
Bladenboro (N.C.)	0.7 NE;RRW	110	24 S2	80 oct.
Smith's (Coats,N.C.)	1 N;RR	288	13 S1	80 oct. P-line SSE,NW.
Dowless(Aldersburg)	0.2 N;RR S	99	24 S2	80 oct. SE, WSW bldg.
Mack Lamar(Clio,S.C)	2.3 NE	172	21 S2	80 oct.E,SE bldg. (N.C)
		550	24 S2	80 oct Trees ENE,WSW,W
		585	37	Data unver.

CHARLOTTE


COLUMBUS 63 | PITTSBURGH 65
VPI 28H S
LOVING-2200 27 L S
PRESTON GLENN-935 40H L S-248
RED 37
BEDFORD
ROANOKE 371 (116.1)
WOODRUM-1162 43H L S-278 (118.5)
RADFORD
ALTAVISTA
LYNCHBURG 206
PULASKI 272 (116.1)
LESTER 26 S
WASHINGTON ATLANTA
CHATHAM-GRETNA
TRI-CITY 26 S
DANVILLE(W) 344
CLOVER
SOUTH BOSTON
DANVILLE-580 50 H L S
GALAX
COLONIAL
VA.
N CAR
MAYO
MARTINSVILLE
GREENSBORO 365 (116.1)
MT. AIRY
WARF
ROXBORO
CASWELL
NO. WILKESBORO
RENDEZVOUS
WINSTON-SALEM 379
REIDSVILLE 25 S
DURHAM AIRWAYS
ELKIN
SMITH REYNOLDS-969 67H L S-278(118.3,126.18)
FAIRCHILD 35H
PHARIS
ROUTH
MCLEAN BROS
MOCKSVILLE
HICKORY 40H S
STATESVILLE 27 S
FRALEY
GILMORE NO 1
HOGAN
PURLINGTON 28 S
GREENSBORO-HIGH PT -905 40 H L S-219(118.7,126.18)
THOMASVILLE
PAULS
HORACE WILLIAMS 49 S
RALEIGH-DURHAM-435 45H L S 272(126.18)
CAP
NEWTON-CONOVER
LEXINGTON
LINCOLNTON
SALISBURY 25 L S
GILMORE NO 2
RALEIGH 350 (116.1)
GRIGG & BYNUM
MOORESVILLE
HARRIS
KANNAPOLIS
ASHEBORO
RALEIGH 28H S
BROCKENBROUGH
CAROLINA AIRPARK
LEE CO
LILLINGTON
MT. HOLLY
COLEY
PARKERS 40 S
SMITH'S
BELMONT
CANNON
ALBEMARLE
POPE AAF-220 52 H L S-396(126.18)
ERWIN
SPINDLE CITY
PLAZA
CONCORD
SKYLINE
KNOLLWOOD 53 S
N CAR 1 D A
LITTLE RIVER
DELTA 31 S
STANFIELD
ABERDEEN INC 25
FAYETTEVILLE 36 S
DOUGLAS-745 52H L S-396(118.9, 126.18)
CAMP MACKALL AAF 50 H
POPE 338 (116.1)
BRIDGES
CHARLOTTE 212 (116.1)
MONROE MUN
FORT BRAGG
GASTONIA MUN 30H S
MONROE
McLEOD
ROCKINGHAM-HAMLET 46 S
UPCHURCH
BROOKS 26
BALLOON NO 1
KINGS MTN
WADESBORO
W AND L AWYS
N. CAR.
S. CAR.
LAURINBURG-MAXTON 65H L S
RODDEY 28 S
BELLINGER
PINE ACRES
BRATTON
COULBOURN 32 S
LUMBERTON 50H L S
ROWE
CHESTER 50H S
MACK LAMAR
BLADENBORO
HARTSVILLE 25 S
HARTSVILLE 50H
DOWLESS
KERSHAW
LUMBERTON 278
FLORENCE-146 60 H L S
DUKE
WHITEVILLE
WOODWARD 30H S
ATLANTA JACKSONVILLE
HUGGINS
FLORENCE 320 (116.1)
WASHINGTON JACKSONVILLE
S. CAR. 1 D.A.
CHARLESTON 119
COLUMBIA
RED 16
TO CHARLESTON
MOTBRIDGE
TO TRI CITY
TO SPARTANBURG
KNOXVILLE 98
NORFOLK 87
TO RALEIGH
BLACKSTONE
159
72
252
67
GREEN 5
98
339
148
83
349
345
59
64
237
GREEN 6
66
238
92
119
RED 34
218
14
58
61
56
74
179
27
269
89
RED 7
66
328
323
299
77
44
175
235
41
355
15
55
359
51
232
AMBER 7
112
22
57
91
52
292
6000
8000
7000
4000
3000
2000
37°
36°30'
35°
34°30'
34°
81°24'
81°
80°30'
79°
79°30'
78°32'
37°20'
36°30'
35°30'
34°30'
● DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RADIO AREA INDICATE "R" BOUNDARIES.
AIRPORTS LESS THAN 3500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX
SCALE OF MILES
10 0 10 20 30

RADIO — NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS. OF OPER., REMARKS
AYDLETTE FM (Navy)	(-)	FM; 64°, 14	Weeksville NAF
BOGUE MCAAF			DECOMMISSIONED
CAMP LEJEUNE OLF(New Riv.)	3295(142.74)	CN	3105.4495;142.74 (8-1630)
CHERRY POINT (Navy)	224 (NKT)	BMRLZ;141°,4.0	(3); 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN(GCA)	(3); 142.74 ,126.16
EDENTON FM (Navy)	(- - -)	FM; 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
MANTEO FM (Navy)	(- -)	FM; 39°,32	Weeksville NAF
NEW BERN FM (Navy)	(- - - -)	FM; 32°,13.6	Cherry Point MCAS
OAK GROVE MCAAF (Pollocksville)	3285 (142.74)	CN	3105;142.74 (8-18)
SOUTH MILLS FM (Navy)	(- - - -)	FM; 319°, 17.5	Weeksville NAF
WEEKSVILLE (Navy)	324(NFG)	MRL	(3);142.74 (7-19)
Weeksville NAF-LTA	3295 (142.74)	CN; 319°, 0.5	3105; 142.74 (8-1630)
[redacted]			
BLACKSTONE	326(KT)(116.1)	BMLZ-DTV;133°,5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM; 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM; 276°, 16	Norfolk
LANGLEY FIELD (Army)	221(DLY)(116.1)	SBMRAPZ-DTV;102°,3.8	(3); 116.1
NORFOLK	239 (NW)(116.1)	SBMRLZ-DTV;44°,3.3	(3);116.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ; 276°,2.9	

S-Simul Range and Voice. W-Without Voice. Z VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs.
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h L S6	80,91 Oct. Flood lgts T rees SE
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct.Pld lgts prior req.(Wilmington)
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	CLOSED.
Burgaw *	1.2 W,hwy N,S	30	22 S1	80 oct. Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jackson-ville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS (N)	2.5 SW,riv N	29	76h R2 (L6)S6	100 oct.
Clinton	2 N, hwy W	160	24 S6	80 oct.Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
(CG) ELIZABETH CITY CGAS (CG)	3.5 SE,riv NE	10	72h R1 L6 S4	100 oct.
Franklin(Louisburg)	2 WSW,hwy S	290	20 S4	80 oct. Hi-line S
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	See Pitt-Greenville under "New Airports"-name changed.			
Halifax Co.(Roanoke Rapids)	3 SW	147	18 S2	80 oct. Trees ENE,NNW
Henderson	3 S,RR W	490	23 S6	80,91 oct.No sto. Pole lines S. SW.y data not verified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities S-servicing.(See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Jacksonville (NC)	3.7 NE,RR SE	51	14	
Kinston *	4.2 NNW	93	50h	CLOSED
Mt. Olive	1.1 NE,RR S	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Pollocksville) (N)	2.5 NW,riv S	27	40h R1 L S4	91, 100 oct.
Peiffer(Wilmington)	6 ESE,hwy N	10	18 S6	80 oct.Poleline NNE,trees N,S,SW.
ROCKY MOUNT	2.3 N,RR E	114	40h S3	80 oct. Use rnwys only.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	CLOSED.
SIMMONS-KNOTT	2.5 SSE	19	40h S1	80, 91 oct. (New Bern)
Tarboro	2 ESE,riv NNW	50	30 L S6	80,91 oct.Flood lgts.P-line NNE,NE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct. No sto
★ Warrenton Int,46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	See Warren Arpt under "New Facilities" - name changed			
(N) Weeksville NAF(LTA)	2.2 NE	7	50h R2 L S4	80-100 oct.
(P) Wilson (N)	4.2 NW,hwy E	161	45h S6	90 oct.
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct.No sto.Pole line S, SW.Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S2	80 oct.

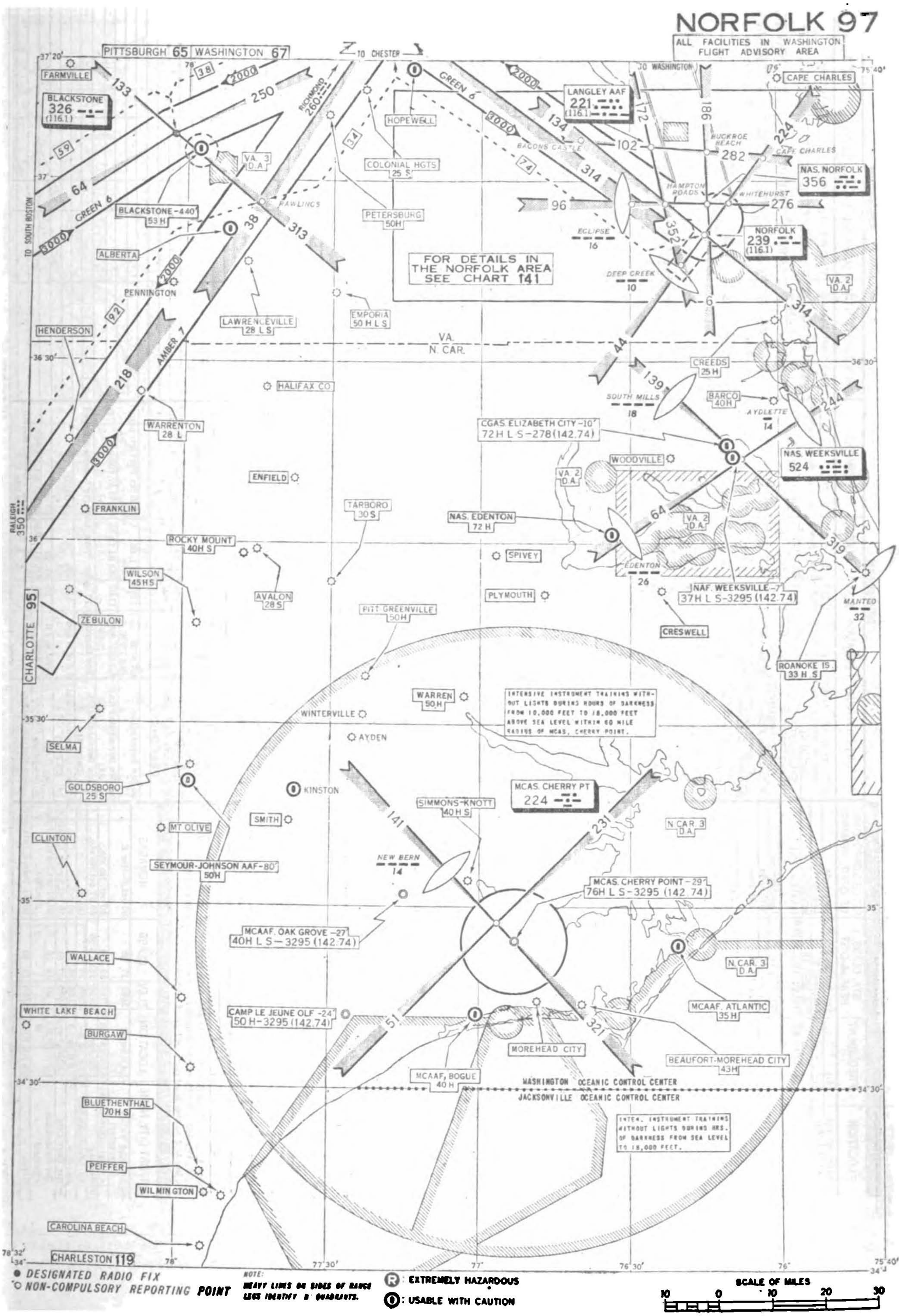
VIRGINIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone	2.5 ESE,hwy N	440	53h R1 L5	Rnwy lgts on req.ARMY CAMP IN CIVIL SERVICE.
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW. (NC)
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
Creeds	1.5 E,bay E	10	25h	
Emporia	3 E, hwy S	127	50h L5 S4	80,91 oct.
Hopewell	3.3 E,riv N	20	24 S6	91 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317	28 L3 S6	80,91 oct.
Petersburg	6.2 WSW,RR N	190	50h	
Scott (Williamsburg)	1.3 NNW,RR SW			ABANDONED
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29 S4	80,91 oct.20-60' trees NE,S.,W.(NC)

NEW AIRPORTS

Farmville	2.5 NW,riv N	325	20 S6	80 oct.Hill W.
(P) Pitt-Greenville, (Greenville,N.C.)	1.8 NNW;RRE	25	50h L3 S1	80 91 oct.Lgts on req.
Cape Charles (Va)	1.8 W;RR S	11	22 S1	80 oct.NW blkd,House SSE.
Roanoke Isl.(Manteo,N.C.)	1.5 NW;rd NE	12	33h L5 S4	80,91 oct.Lgts on req.Data unver.
Morehead City,(N.C.)	5 WNW;RR N	15	23 S4	80 oct.No sto. All appchs blkd.
Piney Grove (Kinston,N.C.)	2.1 SSW;riv NE			ABANDONED.
Smith Fld (Kinston,N.C.)	3.7 SW;riv NW	40	26 S4	80 oct.P-line ENE
White Lake Beach,(N.C.)	0.2 NW;lake S	75	18 S1	80 oct.No sto.(White Lake)W, E blkd.
Wilmington Arpk (N.C.)	3 SE;hwys N	20	27 S4	80 oct.N & E blocked.
(P) Warren (Washington, N.C.)	1.8 N,hwy W	38	50h	
Enfield (N.C.)	1.8 E	113	15 S2	80 oct.
Creswell (N.C.)	0.5 N;RR S	15		
Winterville (N.C.)	0.5 E;RR W	25		
Woodville (N.C.)	1.5 W;hwy S	15		
Ayden (N.C.)	0.7 SSW;RR W	25		
Thalia(Va.Beach,Va)	8 W;hwy 5S	12	23 S1	80 oct NE blkd.Trees SW
Roosevelt(Portsmouth,Va)	4.2 W;RR S	15	33 S6	80 oct Tree SE.P-line NW
Portsmouth (Va)	7.8 WSW;RR S	20	35 S1	80 oct Trees sur fld.Soft when wet.
Pennington(Brodnox,Va)	1.2 NWhwy NNE	325	21	NNE blkd.
Peanut City(Suffolk,Va)	2.8 N;hwys SE	40	25 S2	80 oct.SSW blkd.Trees NNE
Norview(Norfolk,Va)	4.5 NNE	16	24 S6	80 oct. P-line S.

NORFOLK 97


ALL FACILITIES IN WASHINGTON FLIGHT ADVISORY AREA
PITTSBURGH 65 WASHINGTON 67
TO CHESTER
TO WASHINGTON
TO SOUTH BOSTON
FARMVILLE
BLACKSTONE 326 (116.1)
LANGLEY AAF 221 (116.1)
CAPE CHARLES
HOPEWELL
COLONIAL HGTS 25 S
BACONS CASTLE
BUCKROE BEACH
CAPE CHARLES
NAS. NORFOLK 356
HAMPTON ROADS
WHITEHURST
VA 3 D A
BLACKSTONE -440' 53 H
RAWLINGS
PETERSBURG 50H
EGLIPSE 16
NORFOLK 239 (116.1)
FOR DETAILS IN THE NORFOLK AREA SEE CHART 141
DEEP CREEK 10
VA 2 D A
ALBERTA
PENNINGTON
LAWRENCEVILLE 28 L S
EMPORIA 50 H L S
HENDERSON
VA.
N. CAR.
CREEDS 25 H
HALIFAX CO.
SOUTH MILLS 18
BARCO 40H
AYDLETTE 14
WARRENTON 28 L
CGAS. ELIZABETH CITY -10' 72 H L S-278 (142.74)
NAS. WEEKSVILLE 524
WOODVILLE
ENFIELD
VA 2 D A
FRANKLIN
TARBORO 30 S
NAS. EDENTON 72 H
VA 2 D A
RALEIGH 350
ROCKY MOUNT 40H S
SPIVEY
EDENTON 26
NAF. WEEKSVILLE -7 37H L S-3295 (142.74)
WILSON 45H S
AVALON 28 S
PLYMOUTH
MANTEO 32
CHARLOTTE 95
ZEBULON
PITT GREENVILLE 50H
CRESWELL
ROANOKE IS. 33 H S
WARREN 50H
INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 10,000 FEET TO 18,000 FEET ABOVE SEA LEVEL WITHIN 60 MILE RADIUS OF MCAS, CHERRY POINT.
WINTERVILLE
AYDEN
SELMA
GOLDSBORO 25 S
KINSTON
MCAS. CHERRY PT 224
SIMMONS-KNOTT 40 H S
SMITH
MT OLIVE
CLINTON
NEW BERN 14
N. CAR. 3 D A
SEYMOUR-JOHNSON AAF-80' 50H
MCAS. CHERRY POINT - 29' 76H L S - 3295 (142.74)
MCAAF. OAK GROVE -27' 40H L S - 3295 (142.74)
WALLACE
N. CAR. 3 D A
WHITE LAKE BEACH
CAMP LE JEUNE OLF -24' 50 H-3295 (142.74)
MCAAF. ATLANTIC 35 H
BURGAW
MOREHEAD CITY
BEAUFORT-MOREHEAD CITY 43H
MCAAF, BOGUE 40 H
WASHINGTON OCEANIC CONTROL CENTER
JACKSONVILLE OCEANIC CONTROL CENTER
BLUETHENTHAL 70H S
INTEN. INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM SEA LEVEL TO 18,000 FEET.
PEIFFER
WILMINGTON
CAROLINA BEACH
CHARLESTON 119
GREEN 6
AMBER 7
RICHMOND 260
2000
3000
5000
37°20'
37°
36 30'
36°
35 30'
35°
34 30'
34°
78°32'
78°
77 30'
77°
76 30'
76°
75°40'
59
64
38
313
92
218
34
74
314
96
352
102
172
186
134
224
282
276
44
139
244
6
319
141
231
51
321
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS INDICATE R QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BANNING FM	(-)	FM, 76°,25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°,41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (San Bernardino Co.)	365(DG)(vhf)	SBRAZ-VDT,149°,0	(4);116.1,122.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°,16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°,11	Long Beach
LA HABRA FM	(. . -)	FM, 77°,21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°,42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, 118.3)	AC	(4);126.18,118.3, 122.5
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV 298°, 3.9	(3);116.1,122.1
LOS ANGELES	260(LA)(vhf)	BRAZ-DTXV,244°3.8	(3):116.1,122.1
LOS ANGELES	109.1(LA)	BVAR; 88°,2.0	
MARCH FIELD (Riverside)	201 (126.18)+	CA :49.09	(3); 126.18
MIRAMAR MCAS (San Diego)	239(142.74)	CN(GCA)	(3); 142.74
MOJAVE NAS	3295(126.18, 142.74)		DECOMMISSIONED
MT. LAGUNA	254(TN)(116.1)	BHTV	(4); 116.1(Cont)
MUROC (Army)	350(DUC)	BMRL	
Muroc AAF	219 (126.18)	CA; 64°,2.2	(3); 126.18
NEWHALL (Int.)	209(NH)(116.1)	SBMRL-DTV,317°,0.1	(4); 116.1
OCEANSIDE	326(OC)(116.1)	BHTV	(4); 116.1(Cont)
OCEANSIDE FM	(- - - -)	FM, 325°,34	San Diego
PALMDALE	332(PA)(116.1)	SBMRAZ-DTV,216°, 2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105;142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Field)	388(RV)(vhf)	SBMRAZ-DTV, 127°,2.9	(4);116.1,122.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
SAN CLEMENTE ISLAND OLF			DECOMMISSIONED
SAN DIEGO (Lindbergh Field)	224(SQ)(vhf)	SBRAZ-DTV,139°, 2.3	(3);116.1,122.1
San Diego NAS	266 (142.74)	CN	(3);126.18,142.74
San Diego NAS (Seaplane)	2870	CN	2870
TRONA (Int.)	323 (EW)	SMRAWZ, 349°, 11	
VICTORVILLE AAF	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S,hwy E	2470	27 S6	80 oct.P-line E.
Arlington(Riverside)	4.5 WSW,RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE,RR N	2190	52h L5 S5	80,91 oct.No sto.
Barnes(Rosamond)	12 E,rd N	2300	38	(NC)
Barstow	1.8 N,hwy S	2150	24 S6	80 oct.
Big Bear City	0.5 NW,hwy S	6850	37 S1	80 oct.Trees E,hills W.
Borderland(San Ysidro)	1.5 WNW,RR W	80	18 S6	80,91 oct.No sto. Pole line SE.
Boron	0.5 NE,RR S	2550	21 S1	80 oct. Poles E. Data unver.
(N) Brown NAAS (Otay)(N)	5.5 ESE	523	60h	CLOSED
Buffalo Springs(Avalon) (NC)	See Catalina Arpt under "New Facilities"-name changed.			
Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
(N) Camp Pendleton OLF (Oceanside)(N)	6 NNE,RR SE	75	64h L S1	
(N) Castle OLF (San Clemente Island)(N)	On NW end San Clemente Isl.	163	20	(NC)
(N) Clark's Dry Lake OLF (Salton Sea)(N)	25 W of ctr	450	50	On W portion Dry Lake. (NC)
Del Mar	1.1 NNE	11	26 S1	80,91 oct.1000' paved rnwy. Data unver.
El Cajon	2.5 N,hwy W	450	23 S6	80,91 oct. No sto.
Elsinore	1 SSE,RR N	1256	26 S4	80 oct.No sto.Hills NW.
Engel(Escondido)	1.5 W,RR N	630	19 S4	73,91 oct.No sto.Trees SE,hill NW.
Gibbs(San Diego)	7 NNE,hwy W	405	29 S6	80,91 oct.Poles E.
Gillespie(El Cajon)	2 NNW;rd E	385	54h	Towers W. (Santee, INACT
Harmon(San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto.
(A) Hawes(Victorville)(A)	27.5 N,RR N	2319	56h	CLOSED
Hi Hi Sky Ranch (Oceanside)	1.5 ENE,RR S	48	18 S6	80,91 oct.No sto.Trees SW.
(A) Helendale(Victorville)	20 N	2508	56h	(A) CLOSED
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwr line W
(N) Inyokern NAF (N)	0.5 WNW,RR E	2455	72h	NATS
Jamacha(La Mesa)	6.8 ESE,riv N	520	18 S6	80,91 oct. Hills E.
La Cresta(Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct.Data unver. Flare pots prior req.
Lake Elsinore(Elsinore)	4 SSE,lk W	1252	15 S4	80 oct. No sto.
Lakeside				ABANDONED.
La Mesa	2 WSW,hwy N	500	27 S4	80 oct.Pole line SSE.
Lancaster	0.5 NW,RR E	2330	22 S4	73 oct.No sto.Poles E,S
La Pressa(La Mesa)	4 S,hwy W	275	19 S4	80 oct.
Liberty(Rosamond)	4.1 S,RR E	2300	39h	
LINDBERGH (San Diego)	2 W	14	88h R2 L5 S6	80,91 oct.ARPT OF ENTRY.
(A) March (Riverside) (A)	8.8 SE,RR SSW	1533	70h R2 L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEAR STN
McCormick (San Marcos)	1.5 WSW,RR N	550	21 S6	80,91 oct.Poles E.
(A) Mirage(Victorville)(A)	See El Mirage under "New Arpts" - name changed.			
(N) Miramar MCAS (San Diego) (N)	9.5 N	480	60h R1(L6)S4	91,100 oct.No bcn.
(N) Miramar OLF (San Diego) (N)(NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N) (NAS)	0.7 E,hwy W	2751	59h	CLOSED
Morrow (Rialto)	1.8 S;hwy S	1100	32 S6	80,91 oct. P-line E,W.
(A) Muroc AAF (A)	2 S,dry lake N	2284	80h R2 L5 S6	73,100 oct.JP-1. No sto.
National City	1.1 SSE,RR W	10	22 S4	80 oct.Poles,stack NW.
(P) Palmdale	3 NE,RR W	2549	70h R1 L5 S2	91,100 oct.
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct.No sto.Twr SE.
Quartz Hill (Lancaster)	6.5 SW	2450	29 L S6	80,91 oct.Port rnwy lgts.Data unver.
Randsburg (NC)	1.8 NE,rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W	23	50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N)(NC)	6 N,RR W	400	15	
San Bernardino	4.7 NNW, RR 1.5 W	1156	30 L S6	80,91 oct.Port lgts prior req.
(A) San Bernardino AAF (A)	3.5 ESE,RR SW	1120	76h R1 L5 S6	62,73,91,100 oct, JP-1
San Bernardino Co. (Daggett)	See Dagett Int,13 under "New Airports" - name changed.			
(N) San Clemente Island OLF (N)	8 S of N end	926	50h	CLOSED
San Diego	5 NW,bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1(L6)S6	91,100 oct. NATS
San Marcos Valley (San Marcos)	1 W;hwy,RR N	530	19 S4	80 oct. No sto. Hill NE Pwr line E
(N) San Nicolas Island OLF (N)	On E end Isl.	502	63	INACTIVE.
Sweetwater Springs Airanch (La Mesa)	4.2 SE,hwy N	475	22 S1	80,91 oct. Fence E.
Tehachapi	1 N,RR S	3952	45 L S2	73,91 oct. Range lgts. Pole line SE.
Tri-City (San Bernardino)	3.3 SSE,RR S	1015	29 L S4	91,80 oct. Poles SE,W. Port rnwy lgts.
(A) Victorville AAF(A)	6 NW,RR E	2875	74h R1 L5 S5	100 oct.
Victorville "66"	5.2 SSW;hwy W	3225	30 S4	80 oct. No sto.
War Eagle (Lancaster)	5 W,hwy N	2348	31	
Warner Hot Springs	3 W,hwy NE	3140	35 S1	Ltd 80 oct. Trees E,S
Wolfe's Arpk (Otay)	1.2 SE,RR W	220	30 S1	80,91 oct. Hills SE.
NEW AIRPORTS				
Sterk's Ranch (Lancaster)	2.5 ENE		30 S1	80 oct. Data unver.
(N) Ramona	3 SW	1440	40h	
Sweetwater OLF(San Diego)	7.4 E	480	30h	
				Data unver.
Ridgecrest(Calif.)	0.3 S	2300	40 L S4	80,91 oct.P-line E,NE.
Hidden Valley (Camarillo,Calif.)	10 SE;lake E	920	20	McMahans Oaklane Ranch. Data unver.
Daggett Int. 13 LA-AC (Calif)	5 E;RR S	1927	64h R1 L3	
Cumberland Valley (Lynch, Ky)	2.8 NNE;hwy N,W			
El Mirage (Adelanto,Calif)	11 WNW; lake .5 N	2865	39h S5	80,91 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII)
→ New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

LOS ANGELES

ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA

99

FRESNO 77

NAF. INYOKERN 72H

RIDGECREST

TRONA (W) 323

CALIF. 9 D.A.

DAGGETT 365 (111.1, 116.1)

SILVER LAKE 269

BAKERSFIELD 239

LA CRESTA

AMBER 1

AMBER 2

AMBER 8

MOJAVE-2751' 59H

CALIF. 17 D.A.

MUROC AAF 350

BORON

TEHACHAPI 45 S

MUROC AAF-2284' 80H L S-219 (126.18)

HAWES 56H

HELENDALE 56H

CALICO 58

BARSTOW

WHEELER RIDGE

LEBEC 42

LANCASTER

LIBERTY 39H

WAR EAGLE

ANTELOPE VALLEY 25 S

QUARTZ HILL

PALMDALE 2549' 70H L

STERK'S

MIRAGE

EL MIRAGE

GREEN 4

DAGGETT 64H L

VICTORVILLE AAF-2880' 74H L S-278 (126.18)

VICTORVILLE "66"

CALIF 17 D.A.

CASTIAC 41

NEWHALL 209 (116.1)

PALMDALE 332 (116.1)

BLUE 14

SUMMIT

SAN BERNARDINO 30H S

FONTANA 17

BIG BEAR 35 S

MORROW 35 S

SAN BERNARDINO AAF-1120' 76H L S-272 (126.18)

LOS ANGELES 260 (111.1, 116.1)

DOWNEY 11

LA HABRA 21

TRI-CITY 29 S

RIVERSIDE 30 S

GREEN 5

INDIO

BANNING 25

BANNING 52H L S

HARMON

PALM SPRINGS 69 H

INDIO 34 S

INDIO 242

ARLINGTON 32 S

HUNTINGTON BEACH 11

RIVERSIDE 388 (111.1, 116.1)

ELSINORE

LAKE ELSINORE

MARCH AAF-1533' 70H L S-201 (126.18)

CALIF. 13 D.A.

CAMP PENDLETON OLF 64H S

OCEANSIDE 326 (116.1)

SAN MARCOS VALLEY

ENGEL

WARNER HOT SPRGS. 35 S

OCEANSIDE 34

HI HI SKY RANCH

DEL MAR 26 S

RAMONA

MT. LAGUNA 254 (116.1)

MCAS. MIRAMAR-480' 60H L S-239 (142.74)

SAN DIEGO 224 (111.1, 116.1)

SAN DIEGO

GILLESPIE 54H

SWEETWATER SPRGS.

EL CAJON

LA MESA 13

RED 9

GIBBS 29 S

PEIK

SAN DIEGO

LINDBERGH-14' 88H L S-278 (118.3, 126.18)

LA PRESSA

JAMACHA

NAS. SAN DIEGO-25' 60H L S-266 (142.74) (SEAPLANE-2870)

NATIONAL CITY

CORONADO 10

LA MESA 27 S

CALIF. 7 D.A.

WOLFE'S

NAAS. BROWN 60H

NAAS. REAM-23' 50H S-3295 (142.74)

BORDERLAND

SAN NICOLAS IS. OLF 63

SAN CLEMENTE IS. OLF 50H

TO MORGAN HILL

TO SANTA BARBARA

TO NEEDLES

LAS VEGAS 79

BLYTHE 101

TO BLYTHE

TO EL CENTRO

SANTA BARBARA 75

FOR LOS ANGELES VHF RANGE SEE CHART 146

FOR DETAILS IN LOS ANGELES AREA SEE CHART 139

EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.

EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD

119° 30′ 118° 30′ 118° 116° 30′ 116° 12′

35° 41′ 35° 30′ 34° 30′ 33° 30′ 33° 15′ 32° 30′ 32° 22′

231 321 101 64 137 43 221 287 144 317 142 208 257 76 178 358 216 244 63 255 329 324 298 322 28 145 149 32 124 72 79 255 256 64 41 118 34 38 32 23 59 53 63 35 36 15 18 51 50 43 23 34 54 17 11 21 10 63 93 319 145 99 101 75

6000 10000 12000 9000 7000 5000 4000 3000 8000 13000

● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓘ: USABLE WITH CAUTION

NOTE: HEAVY LINES OR SIDES OF BASE LEGS IDENTIFY 'B' QUADRANTS.

SCALE OF MILES

10 0 10 20 30

RADIO

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-DTV,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
➔ YUMA (Yuma Co.)	230(UP)(vhf)	SBMRAZ-DTV,165°,5.8	(4);116.1,122.1

CALIFORNIA

➔ BLYTHE (AAF)	251(YH)(vhf)	SBMRAZ-DTV,268°,4.1	(4);116.1,122.1
EL CENTRO	212(MB)(116.1)	SBMRLZ-DTV	(4); 116.1
El Centro NAS	317 (142.74)	CN, 320°, 3.7	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	242(IN)(116.1)	BMRLZ-DTV	(4); 116.1
MT. LAGUNA	254(TN)(116.1)	BHTV	(4); 116.1(Cont)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
➔ Aguila	1.5 NNW			ABANDONED.
(A) Ajo AAF (A)	6 N,RR NE	1434	64h	CLOSED
➔ Conner (Quartzsite)	See Quartzsite under "New Airports" - name changed.			
(A) Datelan AAF	4 W Aztec	450	66h	TMP INACT NO FACS
Echevarria (Wickenburg)	See Wickenburg under "New Airports" - name changed.			
(A) Gila Bend AAF (A)	4 S,hwy W	858	62h R1 L5	TEMP INACT. NO FACS
(A) Gila Bend #4 (A)	18 SSW	1000	37h	TEMP INACT. NO FACS
(A) Gila Bend #5 (A)	15.3 SW	800	37h	TEMP INACT. NO FACS
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	TEMP INACT.NO FACS
Laguna Landing Strip (Laguna)	6.5 NE	500	50h	
Marsh (Yuma)	0.7 E,RR W	130	40 S1	80 oct.
➔ Parker	1.4 ENE;RR .5 W	430	32 S6	80 oct.
➔ Salome (NC)	0.7 S;RR NW	1876	45 S1	80 oct.Poles NW.
Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi.E,3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,RR W	2000	24 S1	80 oct Hills N
➔ Smiley (Wellton)	13 E,RR S			ABANDONED.
Somerton	3 ENE,RR W	250	30 S3	80 oct.No sto.
★ ➔ Tonopah Int,31, LA-PH	5 NNE Wintersburg			ABANDONED.
Wellton	0.5 NW,RR S	225	24 S2	73,80 oct.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe AAF (A)	7 W,hwy S	397	70h R1	CLOSED
(N) Borego Hotel OLF Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
Brawley	1.3 NE,RR W	-120	30 S6	80 oct.Poles SE,E. ARPT OF
Calexico	1.2 W,riv N	0	28 S6	80,91 oct.Data unver. ENTRY.
Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto.35' poles all zones.
(N) Clark's Dry Lake OLF (N) (NC)	25 W of center Salton Sea	450	50	On W portion Dry Lake.
(N) Coyote Wells OLF -North (N) (NC)	21 NW El Centro	300	26	CLOSED
(N) Coyote Wells OLF -South (N) (NC)	21 WSW El Centro	300	25	
(A) Desert Center	2.5 NE.rd NW	555	50h	AAF(A) CLOSED
★ ➔ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck) other hrs prior req.
(N) EL CENTRO NAS (N)	7 WNW,RR S	-43	69h R2 L5 S4	80,100 oct.Avail 0700 to 1800,
➔ Gary (Blythe)	5 NNW,RR N	392	29h	CLOSED.
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct.No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S4	80,91 oct.Poles N. only.
Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct.Poles SE.No bcn.Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF (Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers ➔ (Brawley)	0.3 S,hwy W		24 S6	80 oct. N S taxiing only. Rnwy data unver
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
(A) Shavers Summit (Indio) AAF (A)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W. CLOSED
(A) Thermal AAF (A)	1.8 SW,hwy W	-117	50h	CLOSED
Twentynine Palms	4.8 N	1768	40h	

NEW AIRPORTS

(P) Yuma Co. (Ariz)	4.5 SSE.RR N	213	65h R1 L2S4	80,91 oct. Pngry lgts
➔ Wickenburg Mun. (Ariz.)	14.8 WSW;RR N	2380	45 S2	80,91 oct. prior req.
➔ Ajo (Ariz)	5 NE;rd,RR W	1490	40 S4	80 oct.Rough in spots.
➔ Quartzsite (Ariz.)	0.5 SSW,hwy S	350	58	Trees N,W.N/S strip hazardous

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➔ **New or revised data.**

BLYTHE

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA

LAS VEGAS 79

TWENTY-NINE PALMS 40H

CALIF. 18 D.A

RICE AAF 55H

PARKER 32

WICKENBURG MUN. 40 H S

PALM SPRINGS 69H

DESERT CENTER 38 L S

DESERT CENTER AAF 50 H

CALIF ARIZ

WICKENBURG

GARY-392 29H

INDIO 34 S

INDIO 242 (116.1)

THERMAL AAF 50 H

QUARTZSITE

PERRYVILLE

PORT MECCA

SHAVERS SUMMIT AAF 60 H

HARVEY

BLYTHE AAF 70 H

HERON 27 S

SALOME 41 L

GREEN S

WHITE TANK

SALTON SEA 40

BLYTHE 251 (111.1, 116.1)

GILA BEND 257 (116.1)

CALIF. 4 D.A

CALIPATRIA

BRAWLEY 30 S

D'CONNELL

LAGUNA 50H

NAS. EL CENTRO -(-43') 69H L S-317 (142.74)

IMPERIAL CO 32 S

CALIF. 12 D.A

TO SAN DIEGO

RED 9

DATELAN AAF 66H

GILA BEND No 5 37H

GILA BEND AAF-858' 62H

MARSH 40 S

YUMA 230 (111.1, 116.1)

GILA BEND No 6 37H

EL CENTRO 212 (116.1)

HOLTVILLE 60 H L S

WELLTON

GILA BEND No 4 37H

AJO

ARIZ. 1 D.A

MT. LAGUNA 254 (116.1)

CALEXICO 28 S

SOMERTON 30 S

YUMA CO. 65 H L S

AJO AAF 64H L S

JACUMBA HOT SPRINGS OLF 25

ARIZ MEXICO

TO CASA GRANDE

LOS ANGELES 90

PHOENIX 103

PHOENIX 326

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

RADIO — ARIZONA

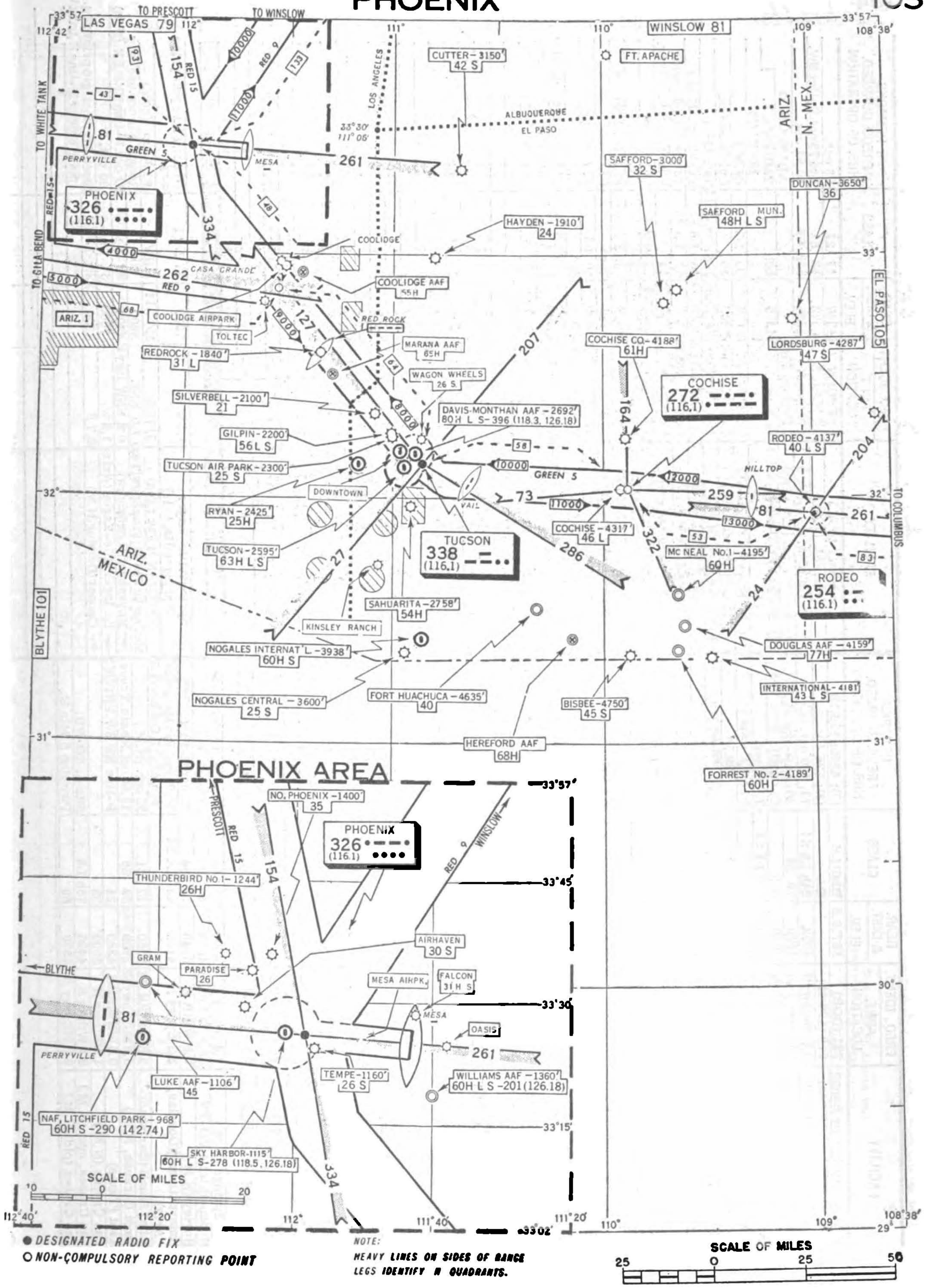
LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(CJ)(116.1)	SBMRAZ-DTV,253°,2.2	(4); 116.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)+	C	(4);116.1,126.18,118.3,122.5
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3); 142.74 (0730 to sunset)
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-DTV,261°, 2.3	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 122.5
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-DTV;307°,3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18
NEW MEXICO			
RODEO (Int.)	254(RH)(116.1)	BMRLZ-DTV,24°,0	(4); 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Air-Topia (Phoenix) (NC)	6.2 SW;hwy N	1050	24 S6	80 oct.Rough
Bisbee	6.4 SSE,RR W	4750	15 L S4	80 oct.Poles W.Port.rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Maremci (Clifton)	8.7 SSE,hwy W	3800	53 S2	80 oct.
* Cochise Int,T-3,PH-EO	6 S,	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
→ Coolidge Airpark	1.7 S;hwy W,S.	1450	32 S1	80 oct.P-line NW.
(A) Coolidge AAF (A)	6.4 SE	1587	55h	CLOSED
→ Coolidge Flying Field	1.5 WSW	1450	27 S4	80,91 oct.P-line NE,WRR 1.5 E
Cutter (Globe)	6.8 ESE,RR N	3150	37 S6	80,91 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	4.2 SE;RR S	2692	80h R2 L5 S6	80,100 oct.HP 1.P-line S.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	CLOSED Twrs E.
Duncan	1 NE	3650	36	Poleline, race track W.
Falcon (Mesa)	7.3 NE;riv 2 N	1332	31h S4	80,91 oct.
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	CLOSED.
(P) Ft.Apache (White River)	2.6 SSW,riv S	5200	34 S2	80 oct. P-line N,NE
(A) Ft. Huachuca (A)	4 E,RR NW	4635	40	
→ Gilpin (Tucson)	4.2 NW,RR W	2200	56 L5 S6	80,91 oct.No flood.Fld lgts prior
Hayden	1.2 S,hwy E	1910	24	Obst sur fld. req.
(A) Hereford AAF(A)	2.5 WSW,rd N	4347	68h	Twr SE. CLOSED
INTERNATIONAL (Douglas)	3.3 E,hwy N	4181	43 L4 S4	80,91 oct.Fld lgts prior req. ARPT OF ENTRY.
→ Kinsley Ranch (Amado)	1.6 NNW;hwy E	3100	35	PRIVATE.
Litchfield (Litchfield Park)(NC)	0.5 NW;cty SE	1062	37	PRIVATE.
(N) Litchfield Park NAF (N)	4.8 S;RR S	968	60h R1 S1	100 oct.
(NG) Luke (Phoenix) (NG)	18 WNW	1106	45h	
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	CLOSED.
(A) Marana AAF (A)	6 NW,hwy NE	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W.
Mesa Airpark	1.4 W;hwy S	1238	27 S6	80,91 oct.No sto.P-line E.
→ Nogales Central	3 N,RR E	3600	25 S6	80,91 oct,P-line ESE.
(P) Nogales International	8 NE;hwy NW	3938	60h L5 S4	80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35 S1	80 oct.
Paradise (Phoenix)	6 NNW,canal S	1256	26 S4	80,91 oct. Trees S
Phoenix Airhaven	See Airhaven under "New Airports" - name changed.			
* Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	31 L3	P-line NE.
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
→ Safford Mun	4.5 ENE;riv 2 S	3176	48h L5 S4	80,91 oct. Fld lgts prior req.
→ Sahuarita Flight Strip	2.2 E,	2758	54h	
→ Sells (NC)	2 NW,rd E	2380	24	
→ Silverbell (Tucson)	11.2 NW;riv NE	2100	21	
→ SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	91, 100 oct. Fld lgts prior req.
→ Superior (NC)	2 WSW,hwy N	2600	19 S4	73,80 oct. P-line NNE. Slopes
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W. WSW
→ Three Point (Casa Grande)(NC)	1.5 NNW;hwy E	1400	37 S4	80 oct.P-line NE,SW.
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
→ Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	40	
→ Toltec	0.4 NNW;RR SW	1500	23	Poles SSW, W SW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
→ Tucson Airpark	3.1 NW,RR E	2300	25 S6	80 oct.P-line NW.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct. Slopes to SSE. P-line S,SE
→ Wickersham (Safford)	See Safford under "New Facilities" - name changed.			
→ Willcox (NC)	0.9 WNW,hwy E			ABANDONED.
(A) Williams (Chandler) (A)	10 E;RR 1 SW	1360	61h R1 L5 S6	73, 91, 100 oct. JP-1.
NEW MEXICO				
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
* Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
NEW AIRPORTS				
* Downtown (Tucson,Ariz.)	1.4 S;RR SW	2400	42 L S6	80,91 oct.P-line N,S,NW.Port bndry lgts.
Gilbert (Ariz)	0.7 SSW	1200	16 S1	80 oct.P-line E,fence W.
Airhaven (Phoenix,Ariz)	3.9 WNW;RR SW	1150	30 S4	80 oct.No sto.Poles SW,NE.
Gram (Glendale,Ariz)	5 W;rd E	1060	21 S6	80 oct.Poles E,W.E end hazardous.
Oasis (Mesa,Ariz)	11.5 E;hwy N		18 S4	80 oct.No sto.Trees NE,SW.
South Phoenix, (Ariz)	3 SSE;riv N	1100	26 S6	80 oct.No sto.P-line E,W.
Mission Arpk(Tucson,Ariz)	8.3 WSW;rd S	2665	22 S6	80 oct Poles W
→ Safford (Ariz.)	2.5 S;hwy W	3000	37 S6	80,91 oct. Poles S,SE.

h hard surfaced runways. R-radio facilities. L lighting facilities. S-servicing. (See page xIII) NC (not charted). → NEW OR REVISED DATA.


LAS VEGAS 79
TO PRESCOTT
TO WINSLOW
WINSLOW 81
FT. APACHE
CUTTER – 3150' 42 S
HAYDEN – 1910' 24
SAFFORD – 3000' 32 S
SAFFORD MUN. 48H L S
DUNCAN – 3650' 36
LORDSBURG – 4287' 47 S
COCHISE CO. – 4188' 61H
COCHISE 272 (116.1)
RODEO – 4137' 40 L S
RODEO 254 (116.1)
COOLIDGE AAF 55H
COOLIDGE AIRPARK
TOLTEC
REDROCK – 1840' 31 L
MARANA AAF 65H
WAGON WHEELS 26 S
SILVERBELL – 2100' 21
DAVIS-MONTHAN AAF – 2692' 80H L S – 396 (118.3, 126.18)
GILPIN – 2200' 56 L S
TUCSON AIR PARK – 2300' 25 S
DOWNTOWN
RYAN – 2425' 25H
TUCSON – 2595' 63H L S
TUCSON 338 (116.1)
COCHISE – 4317' 46 L
MC NEAL No. 1 – 4195' 60H
SAHUARITA – 2758' 54H
KINSLEY RANCH
NOGALES INTERNAT'L. – 3938' 60H S
NOGALES CENTRAL – 3600' 25 S
FORT HUACHUCA – 4635' 40
BISBEE – 4750' 45 S
INTERNATIONAL – 4181' 43 L S
DOUGLAS AAF – 4159' 77H
HEREFORD AAF 68H
FORREST No. 2 – 4189' 60H
PHOENIX 326 (116.1)
CASA GRANDE
ALBUQUERQUE
EL PASO
LOS ANGELES
ARIZ.
N.-MEX.
MEXICO
PERRYVILLE
GREEN 5
MESA
HILLTOP
VAIL
COOLIDGE
RED ROCK
TO WHITE TANK
TO GILA BEND
BLYTHE 101
EL PASO 105
TO COLUMBUS
PHOENIX AREA
NO. PHOENIX – 1400' 35
THUNDERBIRD No. 1 – 1244' 26H
GRAM
PARADISE 26
AIRHAVEN 30 S
MESA AIRPK.
FALCON 31 H S
OASIS
TEMPE – 1160' 26 S
LUKE AAF – 1106' 45
WILLIAMS AAF – 1360' 60H L S – 201 (126.18)
NAF, LITCHFIELD PARK – 968' 60H S – 290 (142.74)
SKY HARBOR – 1115' 60H L S – 278 (118.5, 126.18)
SCALE OF MILES
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

EL PASO

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMOGORDO Army Range	221 (DGR)	167°,6.5	BMRLZ	(3); 4220; 126.18
ALAMOGORDO AAF Tower	272 (126.18)		CA	(3); 126.18
(A) Alamogordo AAF (N.M.)	8.5 SW;hwy S	4092	84h L5 S4	73, 100 oct. (A)
Alamogordo (N.M.)	2.4 N;bet RRs	4320	29 S6	80 oct. P-line SE,NW,
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED. SSE,SSW.
(P) Artesia Mun. (N.M.)	4.2 W;rd S	3550	69h L5 S1	73-91 oct.
B&B Fly.Svc.(Roswell,N.M)	2 S;RR E	3600	32 S2	80 oct P-line W.
BIGGS Tower (Texas)	396 (126.18)+		CA (ILS-W)	(3); 126.18
(A) Biggs (El Paso,Tex)(A)	6 NE;RR W	3937	96h L5 S6	73,91,100 oct. JP-1.
Bowie (Ariz)	1.9 W;RR N	3800	20	P-line NE,W.
CARLSBAD Range (N.M)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) Carlsbad,mun. (N.M.)	6.1 SSW	3276	65h L5	Hwy E. Rnwy lgts on req
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Carrizozo (N.M.)	0.6 N;hwy S,E	5420	33 S2	80 oct. P-line WSW.
Clifton-Greenlee Co.	8.7 SSE;hwy W	3800	35	(Clifton, Ariz)
COLUMBUS Range (N.M)(Int)	284(KS)(116.1)	262°,1.9	SBMRAZ-DTV	(4); 116.1
★ Columbus Int,34,PH-EO	0.6 ESE;hwy N	4024	42 L3 S1	80 oct. (N.M.)
(P) Culberson Co.(Van Horn)	3.5 ENE;RR S	3955	60h	(Texas)
★ Delaware Springs Int.,11, EO-FV (Texas)	16.8 E of Pine Springs	3955	40 L3 S1	91 oct. P-line SSE
(A) Deming AAF (A) (N.M)	2 ESE;hwy W	4314	81h	CLOSED.
Deming Arpk (N.M.)	6 WSW;RR N	4300	31 S4	73 oct. No sto.
(A) Deming (South)(N.M.)(A)	19.5 SSW	4240	60h	CLOSED.
(A) Deming (Center)(N.M.)(A)	11.5 W;hwy S	4440	60h	CLOSED.
(A) Douglas AAF (Ariz)(A)	8.5 NNW	4159	77h	CLOSED Twrs E.
Duncan (Ariz)	1 NE;race track W	3650	36	P-line W.
EL PASO Range (Tex)	242(EO)(116.1)	257°,4.9	SBRAZ-DTV	(3); 116.1, 122.1
EL PASO Tower (Tex)	278 (126.18, 118.7)		AC (ILS)	(4);122.5,118.7,126.18
[El Paso Mun.](Tex)	4.8 ENE;RR SW	3936	70h L6 S1	73,91,100 oct. No sto. ARPT OF ENTRY.
ENGLE Range (N.M.)(Int.)	344(EX)(116.1)	172°,2.9	SBRAZ-DTV	(4); 116.1
★ Engle Int,10,EO-PU(N.M.)	2.6 E;hwy N	4853	45 L3	
(A) Forrest #2 (Douglas,Ariz)	6.4 WNW	4189	60h	CLOSED
Fort Hancock (Tex)	0.7 SE;RR N			ABANDONED (A)
GUADALUPE PASS (Tex)	(116.1)		VP	116.1
★ Hachita Int,29B,PH-EO	0.8 W;RR N	4498	38 L3	P-line N. (N.M.)
Hot Springs (N.M.)	7.4 N;hwy E	4750	75 S4	80 oct. Rnwy data unver
★ Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	(Texas)
Hurley (N.M.)	0.8 W;RR E	5748	33 S4	73 oct. No sto.
[International](Douglas, Ariz)	3.3 E;hwy N	4181	43 L4 S4	80,91 oct. Fld lgts prior req. ARPT OF ENTRY
John J.Small (Carlsbad)	3.5 SSE;RR NE	3150	27 S1	73 oct. (N.M.)
Jundt (Strauss, N.M.)	8.8 ESE;hwy NE	3709	32 S6	73,80 oct. No sto. Trees
Kent (Texas)	0.6 WNW;RR S	4260	21	P-line NE,SW. PRIV E.
Las Cruces (N.M.)	1 NE;hwy N	3900	35	
Las Cruces, mun.(N.M.)	8.5 W;hwy S	4426	75h L5	Site 4, EO-PU.
Las Cruces (old)(N.M.)	9.5 NE;hwy S	4538	39	Pwr line S.Mtn E.
Lordsburg (N.M.)	1 SE;RR N	4287	47 S1	73 oct.
Magdalena (N.M.)	0.8 N;RR S	6572	48 S1	Ltd 73 oct. P-line SW.
Marfa Mun. (new)(Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
→ Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
(A) McNeal #1 (Douglas,Ariz) (A)	19 NNW	4195	60h	TMP INACT NO FACS.
✱r Mt.Riley Int,37,PH-EO	1.8 SE;RR N	4106	36 L2	(N.M.)
Parker (Ruidoso,N.M.)	8.2 NNE;rd N	7200	36	Cattle on fld.
RODEO Range (N.M.)	254(RH)(116.1)	24°,0.0	BMRLZ-DTV	(4); 116.1
★ Rodeo Int,26A,PH-EO	7.3 NNE;RR SE	4137	40 L3 S1	Ltd 73 oct. (N.M.)
[Roswell] (N.M.)	1.6 WNW;RR E	3621	56 L5 S6	73 oct. Fld lgts prior
Roswell Com. (N.M.)	4 W;hwy N	3700	33	Windmill SW. req.
ROSWELL Army Range (N.M.)	305 (DEH)	255°,3.6	SBMRAZ	(3); 126.18
ROSWELL AAF Tower (N.M.)	396 (126.18)+		CA	(3); 126.18
(A) Roswell AAF (N.M.)(A)	6.5 S	3666	85h L5 S6	91,100 oct. No sto.
(A) Roswell AAF #3(N.M.)(A)	18 S	3712	70h	CLOSED.
→ Ruidoso (N.M.)	2.2 NNE;hwy W	7000	60 S2	80 oct. Mtns sur fld.
(A) Ryan #3 (Marfa,Tex)(A)	19 WNW;RR NE	4750	60h	CLOSED.
Safford (Ariz)	4.5 ENE;riv S	3176	48h L5 S5	80,91 oct. Fld lgts prior
SALT FLAT Range (Tex.)	335(DN)(116.1)	162°,2.7	BMRLPZ-DTV	(4); 116.1 req
★ Salt Flat Int,8A,EO-FV	17 SW Guad.PS	3710	40 L3 S1	80 oct. Hwy S. (Tex)
Sierra Blanca (Tex)	2.8 ESE;hwy N	4450	21	P-line N.
Silver City (N.M.)	11.5 SE;hwy E	5400	54	
Skytel (Deming, N.M.)	1.4 WSW	4300	38 S2	73,80 oct. P-line E.
Socorro (N.M.)	2.5 S;hwy E	4759	60h L5 S1	80 oct. Use rnwys only.
State College(Mesilla Park)	1.2 E;RR W	3800	30 S6	73 oct. No sto.(N.M.)
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Tracy (Carlsbad,N.M.)	2 ENE;hwy S	3080	30 S6	80 oct.
Tularosa (N.M.)	2.2 N;RR W	4550	34	
Valley (Berino, N.M.)	1 ENE;hwy W	3825	34 S1	73 oct. 50'hi-line E.
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct. Poles NW.
Whitehill (Silver City,N.M.)	4 SSE	5800	30	P-line N. Rnwy data
Wickersham (Safford,Ariz)	2.5 S;RR NE	3000	32 S6	80,91 oct. unver.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIGGS (A)	109.9	333.8	210°	IM- (0.26)	MM- ····· (0.85)	OM- — — (4.35)
					MMK-	OMK-
EL PASO	109.5	332.6	217°	IM-	MM- •—•— (0.67)	OM- — — (4.56)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Springeville-Eager (Springeville,Ariz)	1.5 W	7000	37 L S1	80 oct. Flare pots prior req.
NEWMAN H Fac (Tex)	317(P)	357°,11	MHW	El Paso (cont)
McCombs Fld #1(Pine Spgs,Tex)	7.5 NNE	5200	20	Rough. Emerg. use only
→ Kuykendall(Lordsburg)	0.8 NNW;hwy E	4290	29 S1	80 oct. P-line NNE,SE. (N.M)
→ Springerville-Eager (Ariz)	1.5 W	7000	37 S1	80 oct.
→ Cooper(Deming,N.M)	2.7 S	4300	25 L S1	80 oct. Ctc,obst lgts prior req. Use in emerg. P-line E,bank W

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.55 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

EL PASO 105

WINSLOW 81 | ALBUQUERQUE 83

34°10' — 34° — 33°

109°45' — 109° — 108° — 107° — 106° — 105° — 103°50'

30°16'

STATUTE MILES 0 25 50 75

ALBUQUERQUE — EL PASO — ARIZ — N M — MEX — TEX — TEX LINE

SPRINGERVILLE-EAGER — MAGDALENA — SOCORRO — CARRIZOZO — RUIDOSO — PARKER — TULAROSA — ALAMOGORDO — ARTESIA — ROSWELL — ROSWELL COM — B AND B FLY SVC — CLIFTON-MARENCI — SAFFORD MUN — SAFFORD — DUNCAN — WHITEHILL — HURLEY — SILVER CITY — BOWIE — KUYKENDALL — LORDSBURG — COCHISE — HILLTOP — RODEO — HACHITA — DEMING (CTR) — DEMING — DEMING AAF — SKYTEL — COOPER — DEMING (SO.) — LAS CRUCES MUN — LAS CRUCES (OLD) — LAS CRUCES STATE COLLEGE — HOT SPRINGS — ENGLE — MT RILEY — JUNDT — VALLEY — COLUMBUS — HARRINGTON RANCH — MCNEAL NO 1 — DOUGLAS AAF — INTERNATIONAL — FORREST NO 2 — HUFCO MT — HUDSPETH — SALT FLAT — SIERRA BLANCA — CULBERSON CO — KENT — VAN HORN — DELAWARE SPRINGS — GUADALUPE PASS — WINK — CARLSBAD — TRACY — JOHN J SMALL — CARLSBAD MUN — CARLSBAD NO 1 — MARFA MUN — RYAN NO 1 — AMAGON NO 5 — CASTOLON

ROSWELL AAF 305

ROSWELL AAF 396 KC 126 18 MC

ENGLE 344 116 1 MC

ALAMOGORDO AAF 272 KC 126 18 MC

ALAMOGORDO AAF 221

CARLSBAD 311

BIGGS AAF 396 KC 126 18 MC

NEWMAN 317

RODEO 254 116.1 MC

COLUMBUS 284 116 1 MC

EL PASO MUN 278 KC, 118 7, 126 18 MC

EL PASO 242 116 1 MC

SALT FLAT 335 116 1 MC

GUADALUPE PASS VOICE – 116 1 MC

ABILENE 107

BIG SPRING 121

D A

122 — 216 — 293 — 35 — 142 — 241 — 322 — 61 — 162 — 177 — 347 — 341 — 167 — 176 — 204 — 170 — 350 — 330 — 342 — 258 — 237 — 57 — 78 — 258 — 82 — 261 — 81 — 259 — 24 — 53 — 83 — 45 — 70 — 257 — 79 — 112 — 259 — 272 — 34 — 66 — 30 — 29 — 18 — 17 — 31

10000 — 9000 — 11000

VARIATION 14°E TO 12°E

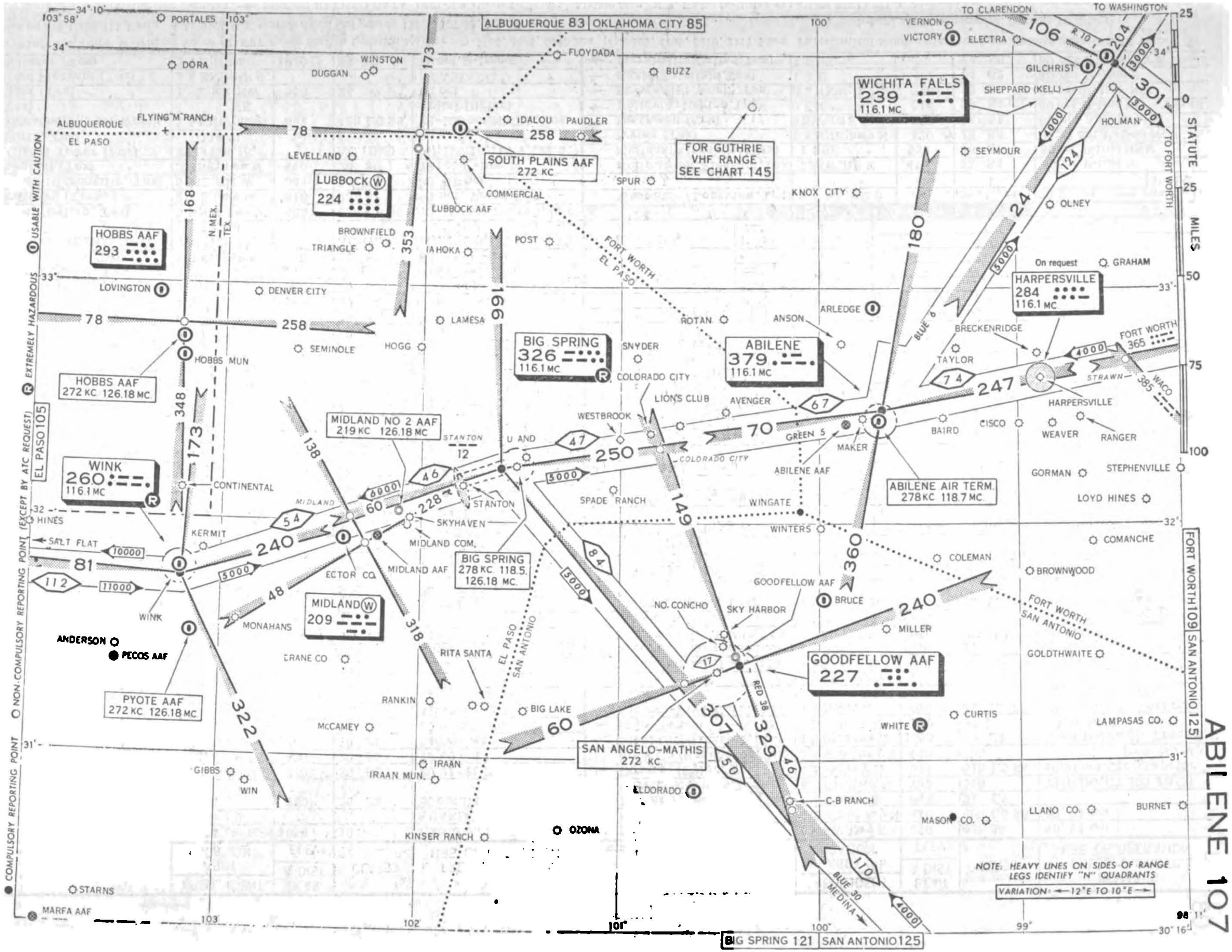
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) ⓟ EXTREMELY HAZARDOUS ⓤ USABLE WITH CAUTION

PHOENIX 103

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(A) Abernathy #1 (Tex) (A)	5 ENE			ABANDONED.
ABILENE Range (Tex) (Air Term.)	379(AP)(116.1)	180°,2.2	SBRAZ-DTV	(3); 116.1, 122.1 NATS
ABILENE AIR TERM Tower (Tex)	278 (118.7)		C	(4);118.7,126.18,122.5(7-23)
(P) Abilene Air Terminal (Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.100 oct.Army.
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct.Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
Arledge (Stamford, Tex)	5 SE;RR SW	1600	23h	P-line S.
(P) Avenger (Sweetwater, Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;RR S	2950	37 S1	80 oct.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-DTV	(3); 116.1,122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18, 122.5, 118.5 (7-23)
(N,P) [Big Spring] (Tex)	3.3 WSW;RR N	2595	62h L5 S6	80,91,100 oct. NATS.
Breckenridge (Tex)	2.5 S;RR E	1250	29 S6	80 oct.
Brownfield (Tex)	5 E;hwy N	3314	50 S2	80 oct.P-line N,NE.
Brownwood Mun. (Tex)	6.3 NNE;RR S	1386	50h L5 S4	80,91 oct.Ctc lgts on req.
Bruce (Ballinger,Tex)	4.5 SSW;hwy NW	1731	23h S6	80 oct.Usable strip 7460'.
Burkburnett (Tex)	1 SE;RR SW			ABANDONED
Burnett (Tex)	2 NE;RR W	1325	21 S1	80 oct. P-line SW.
Buzz (Roaring Springs, Tex)	2.3 NNE;hwy W	2600	26 S1	73 oct. P-line S.
C-B Ranch (Ft.McKavett,Tex)	1.5 W;road S	2150	32 S1	80 oct. Livestock on fld.
Cisco (Tex)	2.5 NNW;lake 2 N	1620	30 L S4	80,91 oct. Flare pots,flds
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80,91 oct.Use rnwys prior req.
Comanche (Tex)	1.7 NNW;hwy SW	1500	14	
Commercial (Lubbock, Tex)	3.2 SE;bet hwys	3240	40 S6	73,80 oct.No sto.Use strips
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct.Hi-line S.
Curtis (Brady, Tex)	3 N;hwy SE	1830	42 S1	Ltd fuel.
Denver City (Tex)	0.8 NW	3584	40 S1	80 oct. Data unver.
Dora (N.M.)	1.3 E;hwy W	4000	27 S1	73 oct.P-line N.
Duggan (Littlefield,Tex)	1.2 S;RR NE	3550	37 S4	80,91 oct.Pwrline E,NE,SE
Dyche (Ft. Stockton, Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct.Poles E.Cattle on fld
Electra (Tex)	3.6 WNW;RR S	1229	27 S2	80 oct.
Floydada (Tex)	1.2 NNW;RR N	3287	20 S1	80 oct. P-line S. RR SW.
Flying "M" Ranch (Milnesand)	0.4 NNW;hwy E	4360	20 S2	80 oct.Data unver. (N.M.)
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.
Gilchrist (Wichita Falls,Tex)	7 WNW;RR S	1020	30 S1	80 oct. P-line S.
GOODFELLOW Army Range (Tex)	227 (DIP)	329°, 2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)(A)	3 SE;rds N,W	1877	55h	TMP INACT.
Gorman (Tex)	1 S;RR NE	1400	26 S2	80 oct. Poles NNE.
HARPERSVILLE H Fac. (Tex)	284 (HV)(116.1)		MHTV	(4); 116.1, 122.1
* Harpersville Int,44,EO-FV(Tex)		1396	45 L3	9.2 S of Breckenridge
HOBBS Army Range (N.M.)	293 (DHB)	168°,2.8	BMRLZ	(3) (V, 7-23)
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct.
[Hobbs Mun.] (N.M.)	5 W;hwy N	3658	50h L5	All lgts prior req.
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Holman (Wichita Falls, Tex)	3.1 SSE;hwy W	980	31 L S6	80,91 oct.Poles SE,E,NE.
Idalou (Tex)	5.5 ENE	3189	54h	Flood lgts.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE Use strips only.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona, Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
Knox City (Tex)	0.8 SSE;RR W	1550	17	
Lamesa (Tex)	8 NNE;hwy E	3031	43h	Use rnwys only.
Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
Lampasas Co. (Lampasas,Tex)	6 NW;RR S	1480	42 S2	80 oct.
Levelland (Tex)	2 S;hwy W	3550	25 S1	80 oct.P-line NW,SW.
NEW FACILITIES				
Maker (Abilene,Tex)	2.7 W;hwy,RR N	1750	30 S6	80 oct.P-line N,NE,NW.
Rosser-Ranch(Graham,Tex)	6.7 SSW;riv 0.5 S	1070	40	Emerg use only.Trees N.
Goldthwaite (Tex)	2.6 WSW;hwy NW	1400	35 S2	80 oct.P-line W.
Vernon (Tex)	2.3 SSE;hwy W	1210	27 S6	80 oct.Rough N,soft S ends

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Llano Co.(Llano, Tex)	2.4 NNE;riv NE	1029	40 S1	73 oct.
Lovington (N.M.)	0.8 E;hwy S	3985	36 S1	73 oct.P-line S,SE,SW.
Loyd Hines (Dublin, Tex)	1.3 NW;RR SW	1260	18 S1	73 oct.Poles NW,SW,SE.
LUBBOCK Army Range (Tex)	224 (DHH)	173°,3.7	MRLWZ	
(A) Lubbock AAF (Tex) (A)	9 W;RR S	3332	65h	TEMP INACT.NO FACS.
(A) María AAF (Tex) (A)	9 ESE;RR N	4885	75h	CLOSED.
Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED.
MIDLAND Army Range (Tex)	209 (DON)	48°, 3.8	MRLWZ	
(A) [Midland AAF] (Tex) (A)	9.5 WSW;RR S	2867	64h	CLOSED.
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18
(A) Midland #2 AAF (Tex) (A)	3 NW;rd E	2805	64h L5 S4	91,100 oct.JP-1.No sto.
Midland Com. (Tex)	1.1 SSE;hwy N	2800	30 S6	80 oct.P-line sur fld.Strip 7
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto. ends rough
Monahans (Tex)	1.2 SW;RR N	2643	32 S6	80,91 oct.P-line SSW.
North Concho (San Angelo, Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE.
(P) Olney (Tex)	4 WSW;rd S,N	1274	55h L5 S6	80,91 oct.Lgts prior req.
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Paducah (Tex)	2.5 ESE;RR NW			ABANDONED
Parker (Texon, Tex)	2.3 W;RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Portales (N.M.)	4.5 SW;RR NNW	4200	46 S1	73 oct.
Post (Tex)	0.8 NE;RR W	2700	28	SSW,W blckd Canyon E
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91, 100 oct. No sto.
Ranger (Tex)	1.5 SSW;RR W	1420	28 S6	80 oct. P-line NE.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld.
Rotan (Tex)	1.4 NNW;rd E	2000	26	Poles E. CAUTION.
SAN ANGELO-MATHIS Tower (Tex)	272		CI	(4) (12-1 hr. after sunset)
(P) SAN ANGELO-MATHIS (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct.
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips.
Seymour (Tex)	1.3 SE;riv SW	1300	27 S1	80 oct.
[Sheppard/Kell Mun.](Wichita Falls, Tex)	5.8 N;hwy W	1028	66h L5 S6	80,91,100 oct.
Sky Harbor (San Angelo, Tex)	4.6 NNW;RR SW	1840	30 L3 S4	80, 91 oct. After 2100 lgts on req.P-line W,NW.
Sky Haven (Midland, Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
SOUTH PLAINS AAF Tower (Tex)	272		CA	(4) (8-17 Mon-Fri)
(A) [South Plains AAF] (Lubbock)	5.5 NNE;RR W	3256	65h L5 S6	73,100 oct. (Tex)
Spur (Tex)	2.2 S;RR N	2368	28 S4	80, 91 oct.
Stamford (Tex)	2.5 N;hwy E			ABANDONED. Port rnwy lgts
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct.prior req.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts.
Taylor (Albany, Tex)	1 N;RR SW	1429	28 S2	80 oct.
Triangle (Brownfield, Tex)	1.8 SSW;RR NW	3200	20 S2	73 oct.
U & S Fly Svc.(Big Spring,Tex)	1.5 N;hwy 1 S	2517	34 S6	80 oct.P-line N,NNE.Ctn
Victory (Vernon, Tex)	5.9 SSW;hwy E	1230	20h S2	No fuel. E/W strip.
Weaver (Eastland, Tex)	1 NE;RR S	1576	31 S6	80 oct.
* West Brook Int,32,EO-FV (Tex)	1.3 S;RR N	2188	34 L3	P-line N,S.
White (Brady, Tex)	10 W;RR N	1550	73	
WICHITA FALLS Range (Tex) (Sheppard/Kell Mun.)	239(WF)(116.1)	305°,1.7	SBMRAZ-DTV	(4); 116.1, 122.1
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260(WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80, 91 oct.
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
NEW FACILITIES				
GUTHRIE Range(Tex)	108.3(UH)		VARW	
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex)	14.8 S;ranch 4 E	2127	26	
Paudler (Crosbyton,Tex)	1.5 E;RR W	3108	19 S2	80 oct.P-line N,NE,NW.
Tahoka (Tex)	1.3 SSW;hwy E	3090	41 L S6	80 oct.P-line NE,W,NW,
Winston (Littlefield,Tex)	2.5 ENE	3550	43	P-line W. Strip lgts prior req.
Westodessa(Odessa,Tex.)	1.5 WSW;RR S	2880	33 S2	80,91 oct.P-lines NNW,SSE
Decker Ranch (Candelaria,Tex)	11 NNE;cliff 2 E	3650	29	PRIVATE
Graham (Tex)	2 ENE;hwy,RR N	1060	40 S3	80 oct.P-line NW,W,N.Trees SW
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 SI	80 oct.
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW
Snyder (Tex)	1.3 S	2270	21 S2	80oct.P-lines NW,W,SE.E blkd


ALBUQUERQUE 83 | OKLAHOMA CITY 85
BIG SPRING 121 | SAN ANTONIO 125
ABILENE 107
PORTALES
DORA
DUGGAN
WINSTON
FLOYDADA
BUZZ
VERNON
VICTORY
ELECTRA
TO CLARENDON
TO WASHINGTON
GILCHRIST
WICHITA FALLS
239
116.1 MC
SHEPPARD (KELL)
HOLMAN
SEYMOUR
TO FORT WORTH
STATUTE MILES
ALBUQUERQUE
EL PASO
FLYING "M" RANCH
IDALOU
PAUDLER
258
SOUTH PLAINS AAF
272 KC
FOR GUTHRIE
VHF RANGE
SEE CHART 145
LEVELLAND
LUBBOCK
224
COMMERCIAL
LUBBOCK AAF
SPUR
KNOX CITY
OLNEY
HOBBS AAF
293
BROWNFIELD
TRIANGLE
IAHOKA
POST
FORT WORTH
EL PASO
On request
GRAHAM
HARPERSVILLE
284
116.1 MC
LOVINGTON
DENVER CITY
LAMESA
ROTAN
ANSON
ARLEDGE
BRECKENRIDGE
TAYLOR
FORT WORTH
365
HOBBS MUN
HOBBS AAF
272 KC 126.18 MC
SEMINOLE
HOGG
BIG SPRING
326
116.1 MC
SNYDER
ABILENE
379
116.1 MC
COLORADO CITY
LIONS CLUB
AVENGER
WESTBROOK
HARPERSVILLE
BAIRD
CISCO
WEAVER
RANGER
MIDLAND NO 2 AAF
219 KC 126.18 MC
STANTON
U AND
GREEN 5
MAKER
ABILENE AAF
ABILENE AIR TERM.
278 KC 118.7 MC
GORMAN
STEPHENVILLE
LOYD HINES
WINK
260
116.1 MC
CONTINENTAL
MIDLAND
SKYHAVEN
STANTON
SPADE RANCH
WINGATE
WINTERS
HINES
KERMIT
SALT FLAT
MIDLAND COM.
BIG SPRING
278 KC 118.5
126.18 MC
ECTOR CO
MIDLAND AAF
COLEMAN
COMANCHE
BROWNWOOD
GOODFELLOW AAF
BRUCE
NO. CONCHO
SKY HARBOR
MILLER
FORT WORTH
SAN ANTONIO
GOLDTHWAITE
MIDLAND
209
MONAHANS
WINK
ANDERSON
PECOS AAF
CRANE CO
RITA SANTA
EL PASO
SAN ANTONIO
GOODFELLOW AAF
227
PYOTE AAF
272 KC 126.18 MC
RANKIN
BIG LAKE
McCAMEY
WHITE
CURTIS
LAMPASAS CO.
SAN ANGELO-MATHIS
272 KC
IRAAN
IRAAN MUN.
GIBBS
WIN
ELDORADO
C-B RANCH
MASON CO.
LLANO CO.
BURNET
KINSER RANCH
OZONA
STARNS
MARFA AAF
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 10°E
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
N. MEX.
TEX.
BLUE
RED 38
BLUE 30
MEDINA

FORT WORTH

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Bowie (Tex)	2.8 NW;bet RRs	1050	19	Cattle on fld.Trees N.
Brown (Bonham, Tex)	8 N;hwy W			ABANDONED
Byrn's Sky Ranch (Hillsboro, Tex)	5.8 NE	820	25 S6	80 oct.Data unver. Trees
Carthage Air Svc.(Tex)	1.3 W;hwy N,S	310	30 S2	80,91 oct.P-line N E,W.
Clarksville (Tex)	2.8 NNW;RR SW	480	20 S6	73,80 oct.
Cleburne Northwest (Tex)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct
Commerce (Tex)	3.4 NNE	548	27 S6	80,91 oct. Hwy SE.
➝ Commercial(Durant,Okla)	5.2 W;RR N			ABANDONED
➝ Corsicana,com. (Tex)	2.8 SW;bet rds			ABANDONED
Corsicana,mun. (Tex)	5.6 SE;RR E	448	20h S6	
(A) Cox AAF (Paris,Tex)(A)	6.5 ESE;RR N	546	46h	CLOSED.
DALLAS Range (Love)(Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
➝ Decatur (Tex)	1.5 N;rd SW	1100	26 S2	80 oct
➝ Denton (Tex)	4 WSW	630	42h S6	80,91 oct
➝ DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
(P) Eaker (Durant,Okla)	3.2 SSW; RR NW	703	52h L5 S1	80,91 oct.All lgts prior req.
Elder (Kilgore,Tex)	2.5 NE;RR E	352	27 S6	80,87,91 oct.P-line W
(P) Ellis Co.(Waxahachie,Tex)	3.5 NE;RR S	585	31 S2	73 oct.P-line S.
Ennis (Tex)	1.5 NW;RR E	540	18 S4	Ltd 73 oct. No sto.
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°, 2.4	SBRAZ-DTXV	(3); 116.1, 122.1
Gage (Teague, Tex)	1.7 N		22 S4	80 oct.P-line W.Data unver
(A) Gainesville AAF (Tex)(A)	3.8 WNW;RR S	833	45h S5	80,91 oct. ARMY TEMP.
➝ Gainesville com (Tex)	3 NNE;hwy W	800	30	CLOSED INACT.
(A) Gaskin (Sherman,Tex)(A)	12.6 SW;rd E	745	40h	TMP INACT-NO FACS.
GRAUWYLER PARK H Fac.	311 (L)	356°,0.8	MHW	(Cont.) Dallas (Tex)(NC)
Gray (Denison, Tex)	2.5 E;RR N	675	24 L S6	80 oct.Emerg.lgts by circling fld.
(P) Gregg Co.(Longview,Tex)	7.2 S;riv N	365	52h S1	80,91 oct.
Hamilton (Tex)	2.3 SSW;hwy E	1250	47 S6	80 oct.Fence sur fld. req.
➝ Hartlee (Denton,Tex)	5.4 NE	588	40 L S6	80,91 oct.Port lgts prior
➝ HASLET H Fac. (Tex)	371 (T)	1°,8.1	FMHW	(Cont.) Ft. Worth P-line S.
Henderson (Tex)	2.1 WNW;hwy S	410	19 S2	73 oct.
Holmes (Gilmer, Tex)	4 N;RR W	370	23	P-line W.Cattle on fld.
(P) Idabel (Okla)	1.3 NW;RR E	500	39 S2.	80 oct.P-line NE
Jacksonville (Cypress,Tex)	3 N;RR E	500	26 S6	73,80 oct.P-line ENE.
Jones (Bonham, Tex)	2 NNE;hwy E	616	18 L S1	80,91 oct. Lgts on req.
Legion (Paris, Tex)	1.9 NW;RR E	538	31 S6	80 oct P-line E
LOVE Tower (Dallas,Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122 5,126.18
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	73-100 oct.Poles S No flood lgts.
McKinney (Tex)	2.1 S;hwy W	616	23 S2	80 oct. Poles E,W
(P) Majors (Greenville, Tex)	5 SSE;RR W	544	55h S4	80, 91 oct
Marshall (Tex)	3.9 SE;hwy N	400	30 S6	73 oct.P-line N.
MEACHAM Tower (Fort Worth, Tex)	272 (126.18, 118.7)		AC (ILS)	(4);126.18,118 7,122.5
(N)(P) [Meacham](Fort Worth, Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73-100 oct.NATS (Hospital flights)
Mexia (Tex)	1 SE;RR NW	550	24 S2	80 oct.
➝ Mount Pleasant (Tex)	2.8 ENE;RR S			ABANDONED
Muenster (Tex)	2.6 E;RR S	1010	26 S1	80 oct.P-line S.
(P) Nacogdoches (Tex)	4 WSW;hwy E	370	43h S5	80, 91 oct.
(P) Palestine (Tex)	4.5 WNW;hwy N	410	40h L5 S6	80, 91 oct.
* Parker Int,48,JI-FV (Tex)	0.6 N;hwy W	847	31 L3	
(A) Perrin (Sherman,Tex)(A)	6.4 NNW;RR N	753	51h	TMP INACT.NO FACS.
(P) [Pounds] (Tyler, Tex)	5.5 W;hwy N	543	51h L5 S4	80,91 oct.Ctc lgts prior req. No sto.
(P) Rusk Co.(Henderson,Tex)	2.5 WSW;hwy N	440	30h	
➝ Rodeo City(Jacksb'o,Tex)	4.5 N;arena W	1080	23 S2	80 oct P-line SE Trees SSE
➝ St Jo (Texas)	1 N;lake 1 E	952	37	P-line NNE
Seventy-Five (Corsicana, Tex)	1.8 N;RR W	480	21 L S6	73 oct.No sto.Port rnwy lgts. Poles NW.
Sherman (Tex)	1.4 SE;hwy N	749	25h S6	80 oct.
* Simms Int,14,DL-LV (Tex)	1 NE;hwy E	357	26 L3	P-line E,S.
South Sulphur (Greenville)	9.5 NNE	550	30	(Tex)
➝ Southworth(Ft.Worth,Tex)	4.2 S;crk W	650	25 S4	80,91 oct
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts.
Stewart (Tyler, Tex)	2.5 E;hwy N	520	32 L S6	80,91 oct.Poles W Ctc lgts prior req Rnwy data
SULPHUR SPRINGS H Fac.	224 (ZO)		MHW	Operates cont. unver.
Sulphur Springs, 7B, DL-LV (Tex)	1.9 NW;RR S	472	35 L3 S1	80 oct.P-line S,SE
TYLER Range (Tex)(Pounds)	320(TQ)(116.1)	120°,1.6	BMRLZ-DTV	(4);116.1,122.1
WACO Range (Tex)(Mun.)	385(WC)(vhf)	9°, 2.6	SBRAZ-DTV	(4); 116.1, 122.1
Waco (Tex)	7 NNE;bet RRs	470	63h	
(A) [Waco Mun.] (Tex)	6 NW;lake S	510	57h L5 S6	80,91,100 oct.
(A) Waco #5 (Prairie Hill,Tex)	2 S;hwy N	560	40h	CLOSED (A) NOT MAINT
Waxahachie (Tex)	1.5 SSW	558	16 S1	73 oct. Hwys E.
Weddington (Hugo,Okla)	1.9 NW;hwy SW	550	24 S6	80 oct. P-line E.
Whaley (Gainesville,Tex)	5.7 WSW;RR N	820	20 S6	80 oct.P-line N.
** Wills Point Int,7,FV-AG	5.9 NW	529	28 L3	(Tex)
Wisener (Mineola, Tex)	1.5 NW;hwy S	510	32 S2	73 oct.
Wolfe City (Tex)	2 N		20	No fuel. P-lines N. Data unver

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOVE	110.3	335	126°	IM-	MM- •–•–• (0.7)	OM- – – (4.35)
				MMK-	OMK-	
				IM-	MM-•	OM-
MEACHAM	109.9	333.8	172°	IM-	MM- •–•–• (0.71)	OM- – – (4.10)
				MMK- 356 •••–	OMK-	

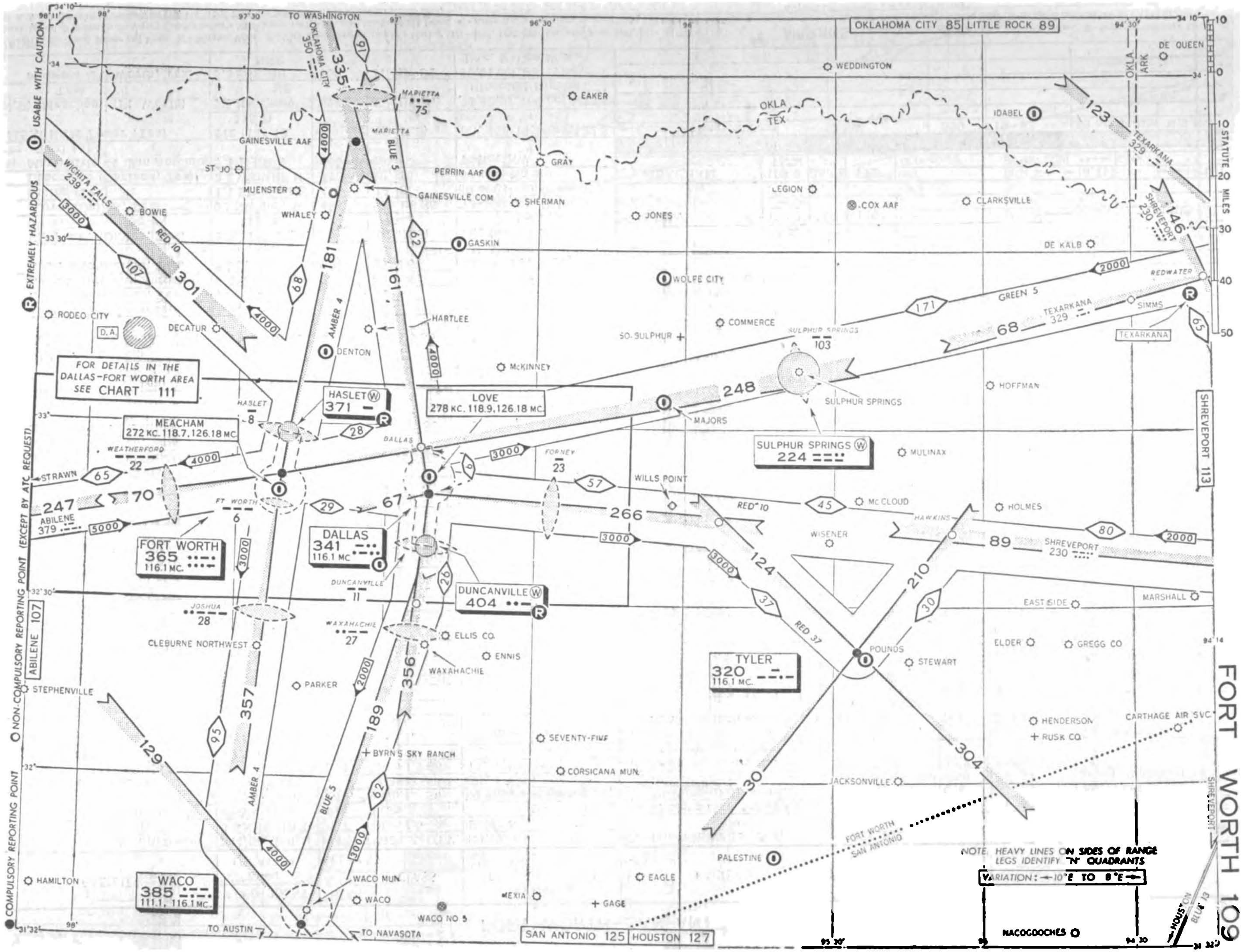
NEW FACILITIES

East Side (Longview,Tex)	2.4 NE;RR S	352	25 L S6	80,91 oct. Port rnwy lgts. P-line S
Hoffman(Mt.Pleasant,Tex)	2 SSW;RR E	416	32 S4	80oct.P-line N
Mulinax(Winnsboro,Tex)	1 3SE	533	26 S1	80oct.P-line NNE.
➝ Irving (Tex)	1.6 NNE;hwy N	420	28 S6	80,91 oct P-line N,W
➝ De Queen (Ark)	3 NW;rd E,S	400	24 S1	80 oct Appchs blkd
➝ Pulley(Arlington,Tex)	0.6 N	616	28 S4	80 oct P-line NW Trees S
➝ Skyview(Ft.Worth,Tex)	9.3 NNW;lk 2.5 W	790	32 S1	80 oct P-line NW
➝ Eagle(Fairfield,Tex)	1.4 E	461	24 S2	80 oct P-line S
➝ Marshall's(Dallas,Tex)	7.2 SE		28 S6	80 oct P-line SW,S

S-Simul Range and Voice W-Without Voice Z-VHF Range Station Location Marker (3)-3105, 4495, 6210 kcs (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116 1 and 111 1 mcs + Army A C S transmits on and guards 116.1, 137.86, 140.58 mcs

L-lighting facilities S-servicing (see page IV) ➝ NEW OR REVISED DATA (NC)-Not charted [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED Airports are indented and non-capitalized

h-hard surfaced runways. R-radio facilities


FORT WORTH 109
OKLAHOMA CITY 85 | LITTLE ROCK 89
SAN ANTONIO 125 | HOUSTON 127
TO WASHINGTON
OKLAHOMA CITY 350
MARIETTA 75
GAINESVILLE AAF
ST JO
MUENSTER
WHALEY
GAINESVILLE COM
PERRIN AAF
GRAY
EAKER
WEDDINGTON
IDABEL
DE QUEEN
OKLA
ARK
TEX
LEGION
COX AAF
CLARKSVILLE
JONES
SHERMAN
BOWIE
WICHITA FALLS 239
RED 10
GASKIN
DE KALB
WOLFE CITY
REDWATER
GREEN 5
TEXARKANA 329
SIMMS
TEXARKANA
SHREVEPORT 230
RODEO CITY
D.A.
DECATUR
HARTLEE
AMBER 4
DENTON
McKINNEY
COMMERCE
SO. SULPHUR
SULPHUR SPRINGS 103
HOFFMAN
SULPHUR SPRINGS
MAJORS
MULINAX
SHREVEPORT 113
FOR DETAILS IN THE DALLAS-FORT WORTH AREA SEE CHART 111
HASLET 371
LOVE 278 KC. 118.9, 126.18 MC.
MEACHAM 272 KC. 118.7, 126.18 MC.
HASLET 8
WEATHERFORD 22
STRAWN
DALLAS
FORNEY 23
WILLS POINT
SULPHUR SPRINGS 224
ABILENE 379
FT. WORTH 6
FORT WORTH 365 116.1 MC.
DALLAS 341 116.1 MC.
DUNCANVILLE 11
DUNCANVILLE 404
JOSHUA 28
WAXAHACHIE 27
CLEBURNE NORTHWEST
ELLIS CO.
ENNIS
WAXAHACHIE
TYLER 320 116.1 MC.
POUNDS
STEWART
EAST SIDE
MARSHALL
ELDER
GREGG CO.
HENDERSON
RUSK CO.
CARTHAGE AIR SVC.
STEPHENVILLE
PARKER
SEVENTY-FIVE
BYRN'S SKY RANCH
CORSICANA MUN.
JACKSONVILLE
PALESTINE
WACO 385 111.1, 116.1 MC.
WACO MUN.
WACO
WACO NO 5
MEXIA
EAGLE
GAGE
HAMILTON
TO AUSTIN
TO NAVASOTA
MC CLOUD
WISENER
HOLMES
HAWKINS
NACOGDOCHES
FORT WORTH SAN ANTONIO
HOUSTON
BLUE 13
SHREVEPORT
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
ABILENE 107
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 10°E TO 8°E
STATUTE 20 MILES
0 10 30 40 50
335 181 161 301 247 266 123 146 68 89 124 210 304 357 189 356 129 30
91 16 62 107 65 70 67 29 57 45 80 37 30 95 62 26
3000 4000 5000 2000
94°30' 94°14'

FACILITY	FREQ IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	MRLZ-DTV	(3), 116 1,122 1 (Tex)
Arlington-Midway (Tex)	6.8 NNE;RR S	567	41h L5	Poles S
(N) Arlington OLF (Tex) (N)	4 SSW;rd W	695	13h	P-line SE,SW
→ Bexar Co. (San Antonio,Tex)	7.1 SSW;rd W	640	37h L S6	80,91oct Ctc lgts on req
BROOKS Tower (Tex)	396 (126.18)		CA	(3), 126 18
(A) Brooks (San Antonio,Tex) (A)	6.5 SSE;RR W	594	52h L5 S6	73,91,100 oct
Caddo Mills (Greenville,Tex)	10.7 SW;hwy W	540	40h	
(A) Clear Springs #5 (New Braunfels, Tex) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only
Clearview (Dallas, Tex)	5.1 SSW;RR N	619	30h S6	80, 91 oct
→ Craigg (Sayers, Tex)	1.8 W;hwy N	650	29	Emerg use
DALLAS Range (Love) (Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3), 116 1, 122 1
Davis (San Antonio, Tex)	6.7 N;RR SE	780	17 S1	80 oct
→ DUNCANVILLE H Fac. (Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
→ Eagle Mtn Lake	1 SSE;RR NE	745	60h	CLOSED (Newark,
Faurie (Gonzales, Tex)	2 NNE;hwy E	340	18 S2	80 oct Trees N,S. Tex
→ Fliers (Dallas, Tex)	6.5 WSW;RR W			ABANDONED
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°,2.4	SBRAZ-DTXV	(3); 116 1, 122 1
FORT WORTH AAF Tower	317(126.18)+		CA ◆ 45,05	(3); 126 18
(A) Fort Worth AAF (Tex) (A)	6.8 WNW;lk N	636	73h L5 S6	73,91,100 oct. IP-1
(N) Grand Prairie OLF (N) (Tex)	1 WSW;RR N	529	30h L5 S4	73 oct No ben
GRAUWYLER PARK (Tex) (NC)	311(G)	356°,0.8	MHW	(Cont.) Dallas
Handley (Tex)	0.6 NE;RR S	630	26 S6	73 oct.
→ HASLET H Fac. (Tex)	371 (T)	1°, 8.1	FMHW	(Cont.) Ft. Worth
HENSLEY Tower (Tex)	396 (126.18)		CA	(4); 126 18
(A,N) Hensley (Dallas,Tex) (A,N)	11 WSW;hwy N	495	52h L5 S4	73,91,100 oct.
Hicks (Ft. Worth, Tex)	12.5 NNW	820	27	Lake W
Highland Park (Dallas,Tex)	9 N;RR E	622	27h L S6	80,91 oct P-line E Ctc lgts N/S rnwy Data unver
Hudson (Dallas, Tex)	9.6 NE;RR SE	614	17h S6	80,91 oct.P-line W
→ Hurt (San Antonio, Tex)	6.5 WNW	680	40 S6	80,91 oct.P-line NW
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126 18
(A) Kelly (San Antonio,Tex) (A)	6.2 WSW;RR SE	670	72h L5 S6	62,73,91 oct JP-1 FOR CLEAR STN
→ Kuehler (New Braunfels,Tex)	1.7 SE;riv NW			ABANDONED
Lake (San Antonio, Tex)	10 S;RR E	700	27 S1	80,91 oct.
Leon Valley (San Antonio)	8.6 WNW;hwy E	710	40 S6	73,80,91 oct. P-line N,W
Lou Foote (Dallas, Tex)	8.8 S;hwy E	665	35 S6	73,80,91 oct. Bldgs NW N, NE
LOVE Tower (Dallas, Tex)	278 (126.18, 118.9)		AC (ILS)	(4), 118.9,122 5,126 18 No flood lgts.
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	73-100 oct Poles S
Luling (Tex)	1.1 SE;hwy NE	418	18 S1	80 oct.P-lines sur fld
Luscombe (Garland, Tex)	2.2 WSW;RR N	610	50 S5	80 oct No sto
(A) Martindale #4 (San Antonio, → Tex) (A)	7.1 E;RR S	660	30h	P-line NW
MEACHAM Tower (Tex)	272 (126.18, 118.7)		AC (ILS)	(4); 126 18,118 7,122 5
(N,P) [Meacham] (Ft Worth) Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73,80,91,100 oct. NATS (Hospital flights)
Midwest (Ft. Worth, Tex)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct. Port rnwy lgts. P-line W,S
(P) Mineral Wells (Tex)	3 2SE;RR N	938	42h L5 S4	80,91 oct No flood lgts
→ Mission (San Antonio,Tex)	4.5 S;hwy E	567	24 S1	80 oct P-line NNE,SSE.
Mustang (Dallas, Tex)	6 NNE;hwy NE	604	32 S6	80,91 oct
Parker Sky Camp	3.4 SSE;RR NW	1050	23 S4	80 oct. (Weatherford,Tex)
RANDOLPH Army Range (San Antonio, Tex)	359 (DRQ)	322°,2 04	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3), 126 18
(A) Randolph (San Antonio) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct No sto
Riomedina (Castroville)	4.5 N;riv W	855	45	(Tex)
Russell (Ft. Worth, Tex)	7 SSE;RRs E,W	680	31 S6	80,91 oct
Saginaw (Tex)	0.5 WNW;RR E	790	26 S6	80, 91 oct.
SAN ANTONIO Range (Kelly)	254(ZN)(116.1)	107°,1.8	SBRAZ-DV	(4); 116 1
SAN ANTONIO MUN-ALAMO	278 (118.5)		C (ILS)	(4);118.5,122.5,126 18
→ [San Antonio Mun.-Alamo] (San Antonio, Tex)	7.8 N;RR SE	800	55h L6 S4	80,91 oct
→ Schneider (Seguin, Tex)	2.2 WNW;RR N			ABANDONED
Second Ave. (Dallas,Tex)	7 SE;RR N	530	26 S1	73,80 oct Use strips Poles S
→ Seguin (Tex)	3.3 WSW;riv E	400	37 S4	80 oct Trees NNE,SSE.
(A) Seguin #1 (Tex) (A)	3 E;rd N	530	54h	
Skyline (Dallas, Tex)	3.2 SSE;riv E	430	26 S6	80,91 oct Trees NW
→ Sky Ranch (Arlington,Tex)	See Lucas Field under "New Facilities" - name changed			
STINSON Tower (Tex)	209		CI	3105, 6210 (8-2230)
→ Stinson (San Antonio,Tex)	6.2 SSE;hwy W	604	49h S6	80,91 oct P-line S,WNW
T.C.U. (Ft. Worth, Tex)	6.6 SW;RR S	710	24 S6	80, 91 oct
Terrell Mun. (Tex)	1.5 SE;RR W	490	30h	80, 91 oct
Wallace (Terrell, Tex)	2 W;RR S	500	19 S2	80 oct
Wallace #2 (Kaufman,Tex)	4 W;hwy N			ABANDONED
Weatherford Mun. (Tex)	1 W;hwy N	1147	38 S4	80 oct.
White Rock (Dallas,Tex)	6.7 ENE;RR NW	543	29 L S6	91 oct Port rnwy lgts
→ Yates (San Antonio, Tex)	13.7 N;hwy 0 5 W	968	33	6' fence sur fld Use fld at own risk
YOAKUM H Fac. (Tex) (Int.)	236 (YK)	352°,2.8	HW	
Yoakum (Tex)	4 N;hwy W	375	20 S6	80 oct
* Yoakum Int.,7,JR-HU (Tex)	5 NW;hwy S	387	39 L3	
(A) Zuehl #6 (Tex) (A)	0.8 NE	610	30h	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in mcs)

LOCATION	LOCALIZER	G.P.	APPR BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ ALAMO	109.9	333.8	30°	IM-	MM- •—•—(0.68)	OM- ——(4.38)
					MMK-	OMK- 230 •———
LOVE	110.3	335	126°	IM-	MM- •—•—(0.70)	OM- ——(4.35)
					MMK-	OMK-
				IM-	MM-	OM-
MEACHAM	109.9	333.8	172°	IM-	MM- •—•—(0.71)	OM- ——(4.10)
					MMK- 356 •••—	OMK-

NEW FACILITIES

→ Lucas (Arlington,Tex)	3 SW	590	19 S2	80 oct. P-line N,S,NW

RADIO: S - Simul Range and Voice W - Without Voice Z - VHF Range Station Location Marker (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116 1, 137 88, 140 58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized

(SEE CHART 109)

DALLAS – FORT WORTH AREA

WICHITA FALLS
D.A.
TO MARIETTA
TO MARIETTA
CADDO MILLS
REDWATER
GREEN 5
NAS EAGLE MTN LAKE
FORT WORTH
365
116.1
HASLET
371
DALLAS
341
116.1
LOVE
278 RC 118.9, 126.18 MC
LUSCOMBE
HIGHLAND PARK
HUDSON
MUSTANG
WHITE ROCK
FORNEY
SAGINAW
SKYVIEW
ARLINGTON
IRVING
MEACHAM
272 RC 118.7, 126.18 MC
FT. WORTH
PULLEY
GRAND PRAIRIE OLF
HANDLEY
SOUTHWORTH
MIDWEST
LUCAS
FORT WORTH AAF
317 RC 126.18 MC
T.C.U.
RUSSELL
ARLINGTON OLF
HENSLEY
396 RC 126.18 MC
SKYLINE
MARSHALL 5
SECOND AVENUE
CLEARVIEW
DUNCANVILLE
LOU FOOTE
DUNCANVILLE
404
WALLACE
TERRELL
RED 10
HAWKINS
STRAWN
MINERAL WELLS
WEATHERFORD
PARKER
TO WACO
TO WAXAHACHIE
STATUTE MILES

(SEE CHART 125)

SAN ANTONIO AREA

BIG SPRING
AUSTIN
SPRING BRANCH
ALAMO
344
116.1
SAN ANTONIO (ALAMO)
278 RC 118.5 MC
MEDINA
YATES
FAUST
CLEAR SPRINGS NO 5
LULING
RANDOLPH AAF
272 RC 126.18 MC
SEGUIN
SEGUIN NO 1
FAURIE
DAVIS
LEON VALLEY
ZUEHL NO 6
RANDOLPH AAF
359
C.A.
HURT
RIOMEDINA
SAN ANTONIO
254
116.1
MARTINDALE NO 4
CRAIGG
MISSION
BROOKS AAF
396 RC 126.18 MC
STINSON
209 RC
KELLY AAF
219 RC 126.18 MC
BEXAR CO.
LAKE
LAREDO
TO PLEASANTON
YOAKUM INT.
YOAKUM
YOAKUM
236

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 111

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
✶ Arcadia Int,26,FV-AG	4.5 E;RR,hwy S	342	29 L3	P-line SW. (La)
→ Arkadelphia,24,DL-LV	1.5 ENE;RR NW	186	40 L3 S6	80 oct. (Ark)
→ Ashley Co.(Crossett,Ark)	5.5 NE;RR E	160	22 S2	80 oct.P-line S.Trees N,W
Atlanta Mun. (Tex)	2 WSW;hwy NW	264	37	P-line ESE,SSE.
Baker (Magnolia,Ark)	4.3 E;hwy S	300	18 S6	91,80 oct.P-line SW.
BARKSDALE Army Range (Shreveport) (La)	379 (DBY)	325°,4.4	SBMRAZ	(3)
BARKSDALE Tower (La)	396 (126.18)+		CA(ILS-W) (GCA)	(3); 126.18
(A) Barksdale (Shreveport, La) (A)	5.8 E;riv W	167	100h L5 S4	73,91,100 oct. JP-1.
Bastrop (La)	2.8 WSW;riv W		18 S1	80 oct.
Burnside & McDonald (Newellton, La)	1.5 SW;RR E	77	40	
Childress (Flora,Miss)	1.5 NNW;RR E	186	30 S1	73 oct.Trees,bldg N.
→ Cleveland (Miss)	2 NW;hwy S	140	26 S6	80 oct.P-line S,W.
Cole (Heads, Miss)	3 NE;RR W	118	16	
→ Cypress(Greeny'l,Miss)	2.4 SSW;hwy W.	125	28 S4	80 oct. NNE blkd.
David G.Joyce(Winnfield)	3 NW;hwy E	130	20 S2	80 oct.(La) over
Delhi Flying Svc. (La)	0.5 N	95	23 S4	80 oct.P-line E.Data un-
(P) De Soto Parish	4.3 NW;	322	51h S2	80,91 oct.(Mansfld,La)
Dixie Dusting (Greenv'l)	2 SE;RR,hwy N	118	16 S4	73 oct.No sto.(Miss)
→ Dossett(Beulah,Miss)	0.5 SE	160	21 S2	80oct.P-line S,SW.E,W
→ El Dorado (Ark)	1.5 S;rds W,E	277	24 S6	80 91 oct.P-line E. blkd.
(P) El Dorado-Goodwin (Ark)	8.6 W;hwy S	278	51h L5	No bound.flood,obst lgts.
→ Everett (Moorhead, Miss)	1 SE;RR N	127	37 S6	73 oct. No sto.
Ferriday (La)	1.5 N;RR,hwy E	55	17	
Gardner (Gilbert, La)	1 E;hwy S	75	16	PRIVATE
→ Grayson (Camden,Ark)	3.4 SW; hwy N	135	26 S6	80,91 oct P-line NE;trees
Greenville,mun. (Miss)	3.5 ESE;hwy N	118	40h S4	80 oct. SSW,NNE
(A) Greenville AAF (Miss)(A)	6.5 NE;rd W	129	40h L5 S2	80,91 oct.P-line E,SE.
Hart (Many, La)	1.8 SSW;RR E	242	24	Trees SSW.
→ Hinds Co.(Jackson,Miss)	12.8 W;	244	40h	
Hodge (La)	0.5 ENE ;hwy W	300	24	Trees sur fld.
→ Hope (Ark)	6 NW; RR E	359	55h L5 S6	80,91 oct.Use rnwys only
→ Jones(Merigold,Miss)	0.8 N;hwy,RR W	142	13 S1	80 oct. when wet.
→ Sharpe(Natchez,Miss)	1.8 ESE;RR S	135	26 S4	80 oct. N,W blkd Soft
→ Lakeview (Leland,Miss)	1.5 SE ;lake E	120	16 S4	80oct.N,E blocked
→ Strange(Tutwiler,Miss)	0.7 SSE;hwy W,E	160	22 S6	80 oct.N blckd.
Leland (Elizabeth,Miss)	1.5 NE	119	20 S1	80 oct.Pwrline NW.
LeTourneau(Yokena,Miss)	2.5 NW;riv NW	80	30 L S1	9loct.Bndry lgts pri.req.
→ Longview(Warrenton,Miss)	0.3 SE;RR W	110	20 S4	80 oct.E blkd P-line W
Lucien (Shreveport, La)	8 S;RR E	170	32 S6	80,91 oct.
Magnolia (Ark)	1.6 WSW;RR E	225	30	10' bldg SSW.
McGehee (Ark)	0.6 NNW;RR E	145	30 S1	80 oct. Hwy E.
Minden (La)	1.5 W;RR S	200	26 S4	80 oct. Trees sur fld.
MONROE Range(Selma)(La)	359(UO)(116.1)	25°,2.8	SBMRLZ-DTV	(4);116.1,122.1
→ Monroe Arpk (La) (old)	2.5 N;riv W	77	20 S1	80 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Natchitoches (La)	1.5 SSW;RR E	115	41h L5 S6	80 oct., ltd 90 oct. Ctc lgts prior req. No bcn.
Ruston (La)	1.2 SE;RR N	317	16h L S6	80,91 oct.Lgts prior req.
(P) [Selman] (Monroe, La)	3 E;RR N	79	50h L5 S6	80, 91 oct
SHREVEPORT Range (La)	230(ZH)(116,1)	146°,1.8	SBRAZ-DTV	(3);116.1,122.1
SHREVEPORT Tower (La)	278 (126.18, 118.7)		AC	(4); 126.18,122.5,118.7
(P) [Shreveport] (La)	2.5 NNE;riv E	179	45h L5 S6	73, 80 oct.
Shreveport Arpk (La)	4.5 SSW;bet RRs	200	47 S6	80,91 oct.P-line SE.
Skinner (Glen Allan,Miss)	4 N;lake W	110	18 S1	73 oct.
✶ Tallulah Int,36,FV-AG	2.4 ENE;hwy E	84	28 L3	(La)
TEXARKANA Range (Ark)	329(TR)(116.1)	123°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
[Texarkana] (Ark)	4 NE;RR W	389	40h L5 S6	80,91,100 oct.;100 oct.
Texarkana (Tex)	6 W;RR N	340	25 L S6	80,91 oct.Flare Army pots in emerg.
Ulmer (Brookhaven, Miss)	1.5 NNE;RR W	500	24 S4	80 oct.
VICKSBURG H Fac.(Miss)	382(VS)(116.1)		MHTV	(4); 116.1,122.1
Vicksburg (Miss)	6.8 NE;hwy W	287	39 S4	30, 91 oct.
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct.
→ Woodside (Grace,Miss)	1.4 NW	106	24 S1	80 oct Tree SE;bldg NW
Yazoo Mun. (Miss)	2 N;RR E	110	18 S4	80 oct.No sto.
→ Watts(Rochdale,Miss)	0.5 E;hwy W	145	26 S2	Priv.80,91 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

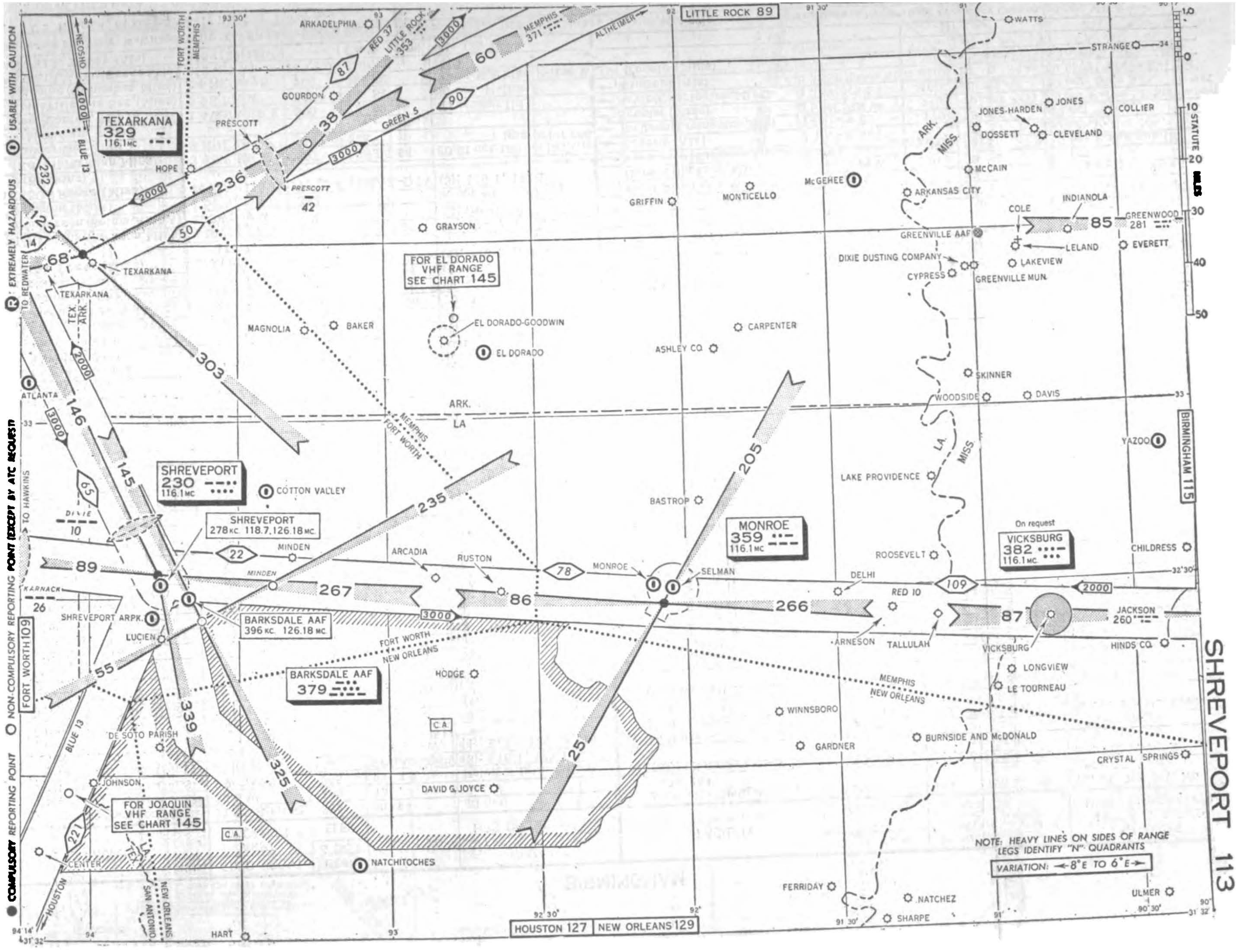
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BARKSDALE(A)	109.9	333.8	143°	IM- (0.01)	MM-·····(1.00)	OM- - -(4.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

EL DORADO Range(Ark)	109.1 (LD)		VARW	
JOAQUIN Range (Tex)	(108.7)(WE)		VARW	
Indianola (Miss)	3 NW	125	45h S6	80,91 oct.
→ Collier (Drew, Miss)	0.6 NE;RR W	115	17 S1	80 oct.Trees S
→ McCain(Benoit,Miss)	0.8 NNE;hwy E	140	16 S1	80 oct.S blkd.Ctn-parked acft
Davis (Nitta Yuma,Miss)	0.5 SSE;RR W	115	19 S1	80 oct.P-line W.Rough.
→ Crystal Spgs.(Miss)	0.7 SE	470	21	P-line NE;N,S,NW blkd.
Gourdon (Ark.)	0.2 NW	250	22 S2	80 oct.NW blkd.Trees NE
Carpenter (Hamburg,Ark.)	0.7 NW;RR SE	150	21 S2	80 oct.Trees W.P-line
Griffin (Warren,Ark.)	2.3 ESE;riv E,S	200	28 S2	73 oct.Cattle on fld. W,S,E
Monticello (Ark.)	2.2 E;hwy S	230	27 L S6	80 oct.N,E,S,W blkd.
Prescott (Ark)	3 SW;RR E	280	21 S1	80,91 oct. Port lgts.
Roosevelt (Sondheimer,	2.1 NNW;RR E	85	13 S1	80 oct. (La)
Center, Tex	1.2 ESE;hwy N		20	P-line NNW.
→ Jones-Harden (Cleveland,	4 NW;hwy 1,2 S	140	21 S6	80 oct.S blkd.Soft when wet.
→ Monroe Arpk(La)(new)	1.5 N;RR N	77	26 S6	80 oct Trees SSE (Miss)
→ Aineson(Quebec,La)	1 NNW;RR S	100	18	Private N blkd
→ Johnson(Logansport,La)	0.5 ENE;RR W	192	15 S2	80 oct Trees N
→ Arkansas City (Ark)	0.8 WSW	125	19 S1	80,9loct.P-lines block both ends

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. -hard surfaced runways. **R-radio facilities**

L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not **charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.**


LITTLE ROCK 89
TEXARKANA 329 116.1 MC
SHREVEPORT 230 116.1 MC
SHREVEPORT 278 KC. 118.7, 126.18 MC.
BARKSDALE AAF 396 KC. 126.18 MC.
BARKSDALE AAF 379
MONROE 359 116.1 MC
VICKSBURG 382 116.1 MC.
HOUSTON 127
NEW ORLEANS 129
FOR EL DORADO VHF RANGE SEE CHART 145
FOR JOAQUIN VHF RANGE SEE CHART 145
ARKADELPHIA
GOURDON
PRESCOTT
HOPE
TEXARKANA
GRAYSON
GRIFFIN
MONTICELLO
McGEHEE
MAGNOLIA
BAKER
EL DORADO-GOODWIN
EL DORADO
ASHLEY CO.
CARPENTER
ATLANTA
COTTON VALLEY
MINDEN
ARCADIA
RUSTON
MONROE
SELMAN
BASTROP
LAKE PROVIDENCE
ROOSEVELT
DELHI
ARNESON
TALLULAH
VICKSBURG
HINDS CO.
JACKSON 260
CHILDRESS
YAZOO
SKINNER
WOODSIDE
DAVIS
STRANGE
WATTS
JONES-HARDEN
JONES
COLLIER
DOSSETT
CLEVELAND
McCAIN
ARKANSAS CITY
COLE
INDIANOLA
GREENWOOD 281
GREENVILLE AAF
LELAND
EVERETT
DIXIE DUSTING COMPANY
LAKEVIEW
CYPRESS
GREENVILLE MUN.
LONGVIEW
LE TOURNEAU
WINNSBORO
GARDNER
BURNSIDE AND McDONALD
CRYSTAL SPRINGS
FERRIDAY
NATCHEZ
SHARPE
ULMER
SHREVEPORT ARPK.
LUCIEN
KARNACK
DE SOTO PARISH
JOHNSON
DAVID G. JOYCE
HODGE
C.A.
NATCHITOCHES
CENTER
HART
ARK.
LA.
TEX.
MISS.
ARK. MISS.
LA. MISS.
TEX. ARK.
FORT WORTH MEMPHIS
MEMPHIS FORT WORTH
FORT WORTH NEW ORLEANS
MEMPHIS NEW ORLEANS
HOUSTON
SAN ANTONIO
NEW ORLEANS
ALTHEIMER
RED 37
LITTLE ROCK
GREEN 5
BLUE 13
NEOSHO
TO REDWATER
TO HAWKINS
FORT WORTH 109
SHREVEPORT 113
BIRMINGHAM 115
On request
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 8°E TO 6°E
STATUTE MILES
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

BIRMINGHAM

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
Augustine (Jackson,Miss)	11.5 NE;rivSE	335	40 S4	80 oct
Autaugaville (Selma,Ala)	20.5 W	100	73	
* Batesville Int,29,NO-LS	3 W;hwy SE	205	25 L3	Poles N,lgtd. (Miss)
BIRMINGHAM Range (Ala)	224(BH)(116.1)	178°,3.0	SBRAZ-DTV	(3); 116.1, 122.1
BIRMINGHAM Tower (Ala)	278 (126.18, 118.3)		AC(ILS-W)	(4); 122.5,126.18,118.3
(A) [Birmingham, Ala]	5.5 NE;RR S	643	57h L5 S6	80,91 oct. Poles NE
→ Bonita (Meridian,Miss)	2.5 ENE;hwy N			ABANDONED. JP-1
(P) Carroll Cone(Tupelo,Miss	See Tupelo Airport under "New Facilities" - name changed			
→ Central Park (Birmingham, Ala)	5.2 NW;RR SE	535	18 S6	80,91 oct. P-lines NNW,SSE,NNE
Columbiana (Ala)	1.5 WNW;RR S	514	23	Lgt acft only
(A) Columbus AAF(Miss)(A)	10 N;RR E	215	45h	TMP INACT. NO FACS
CRAIG Army Range (Ala)	272 (DPP)	320°,2.5	BMRLZ	(3); 126.18
CRAIG Tower (Ala)	219 (126.18)		CA	(3); 126.18
(A) Craig (Selma,Ala) (A)	4.8 SSE	166	53h L5 S6	91, 100 oct
Cullman (Ala)	5 SSE;hwy SW	740	17 S4	80 oct Trees SSE
Dallas (Selma, Ala)	2.2 SW;riv SSE	161	20 S1	80 oct Trees NE
→ [Dannelly](Montgomery, Ala.)	7.5 SW;hwy N	219	40h L5 S4	80, 91 oct
(P) Demopolis (Ala)	7.8 WSW	198	50h	River NW
E. Jackson (Jackson,Miss)	3.1 SSE;hwy NW	310	22 S6	80 oct Trees N
(A) Elmore (Montgomery,Ala)	10 N;hwy N	203	45	CLOSED (A)
→ Eupora (Miss)	1 NE;hwy S	325	20 S2	80 oct. Trees all appchs
Eutaw (Ala)	2 SE; hwy N	160	23	P-line W
Forest,46,FV-AG (Miss)	1 W;RR S	512	28 L3 S1	80 oct
→ Foster (Tuscaloosa,Ala)	5.5 S hwy E	236	26 S6	80 oct. Trees S
(A) Furniss (Selma,Ala)(A)	10 SSW			ABANDONED
* Gainesville Int, 55, FV-AG (Ala)	2 S;hwy W	174	31 L2	
→ Gragg,27,PS-TM (Clanton, Ala)	2.2 NE;crk S	571	26 L3 S6	80oct Trees E,SE,W Use ctn
→ Greenville,24,NO-AG(Ala)	5.5 WNW	561	26 L3 S3	80 oct. Trees N,S,W. Rough.
GREENWOOD Range (Miss)	281(GD)(116.1)	265°,1.9	BMLZ-DTV	(4); 116 1
→ [Greenwood Mun.](Miss)	2.3 SW;RR E	129	40h L5 S6	80,91 oct P-line E,SE
(A) Greenwood AAF (Miss)(A)	5.8 ESE;hwy N	162	50h	CLOSED
→ Grenada (Miss)	4 N;RR S	207	51h L S4	80 oct B-2 lgts on req
HAWKINS Tower (Miss)	278 (126.18, 118.7)		C(ILS)	(4); 126 18,118 7,122 5
(A,N) [Hawkins](Jackson,Miss)	3 NW;RR SW	343	54h L6 S6	80,91,100 oct Tank,stack
(A) Henderson (Selma,Ala)(A)	29 SW;riv W			ABANDONED E
→ Houston (Miss)	1.5 SW;hwy N	342	31 S4	80 oct NE,E,W blkd
JACKSON Range (Miss) (Hawkins)	260(JA)(116.1)	173°,2.4	SBRAZ-DTV	(3); 116 1, 122 1
(NG) [Key] (Meridian,Miss)	3.5 SW;RR E	297	50h L5 S4	80,91 oct;100 oct NG. Ctc lgts prior req.
Lauderdale Civil (Meridian, Miss.)	9 NNE;hwy E	310	32h	
Lee (Canton, Miss)	1.4 WNW;RR E	300	29 S2	Trees sur fld.
Louisville Air Svc.(Miss)	3.9 S;RR W	500	16 S1	80 oct. P-line S
Masonic (Columbus,Miss)	2 5 NE;hwy S	200	28 S2	80 oct N,E blkd P-line W
MAXWELL Army Range (Ala)	362 (DXW)	86°,2.0	SBRAZ	(4)
MAXWELL Tower (Ala)	396 (126.18)+		CA ➡ :49,09	(4); 126 18
(A) Maxwell (Montgomery, Ala) (A)	3 WNW	167	70h L5 S6	73, 91, 100 oct No sto JP-1
MERIDIAN Range (Miss)(Key)	239(UM)(116.1)	154°,2.8	SBMRAZ-DTV	(4); 116 1, 122 1
(A) Mollette (Selma,Ala)(A)	16.2 SSW			ABANDONED
North Jackson Arpk. (Jackson, Miss)	7.5 NE;hwy E	300	25 S4	80 oct No sto Trees S
O'Keefe (Newton,Miss)	1 5 ESE;RR N	363	23 S4	Trees NE,SE,NW 80 oct, Soft when wet
→ Oktibbeha (Starkv'l,Miss)	7.5 ENE;lake N	326	33 S6	80 oct Obst S,SW,W,NW
(P) Oxford (Miss)	3 S;riv N,W	400	30 S2	73 oct
Philadelphia Arpk (Miss)	2 SE;hwy SW	500	24 S6	80 oct P-line W No sto.
* Rockport Int,12,NO-LS	1.5 E;riv W	217	28 L3	(Miss)
→ Roberts (Birmingham,Ala)	3 W;RR N	610	29 S6	80 oct P-lines N
Selma-Selfield (Selma,Ala)	4 ENE;RR S	130	40h	
(P) Starkville (Miss)	2 5 SW;RR NW	325	50h	
→ Stinson (Aberdeen,Miss)	2 8 NW;hwy E	239	40 S2	80 oct P-line N;trees NW
TUSCALOOSA H Fac.(Ala)	206(TU)(116.1)		MHTV	(4),116.1,122.1
→ Van de Graaff,59,FV-AG (Ala)	3 NW;RR N	172	52 L4 S6	80,91 oct Obsts sur fld
→ Walker Co. (Jasper,Ala)	2.2 NNE;RR W	527	31 L5 S4	80. 91 oct
→ Winona (Miss)	1 3 SSE;RR W	370	28 S6	80,91 oct Trees N,S Rough
* Zeiglerville Int,10,NO-LS → (Miss)	3 SW; crk S Hwy E	274	26 L3	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIRMINGHAM				IM-	MM-	OM-
					MMK 356 ···· (0.72)	OMK 375 — ··· (5.4)
HAWKINS	109.9	333.8	108°	IM	MM- .-.- (0.70)	OM- — — (4.43)
					MMK.	OMK
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

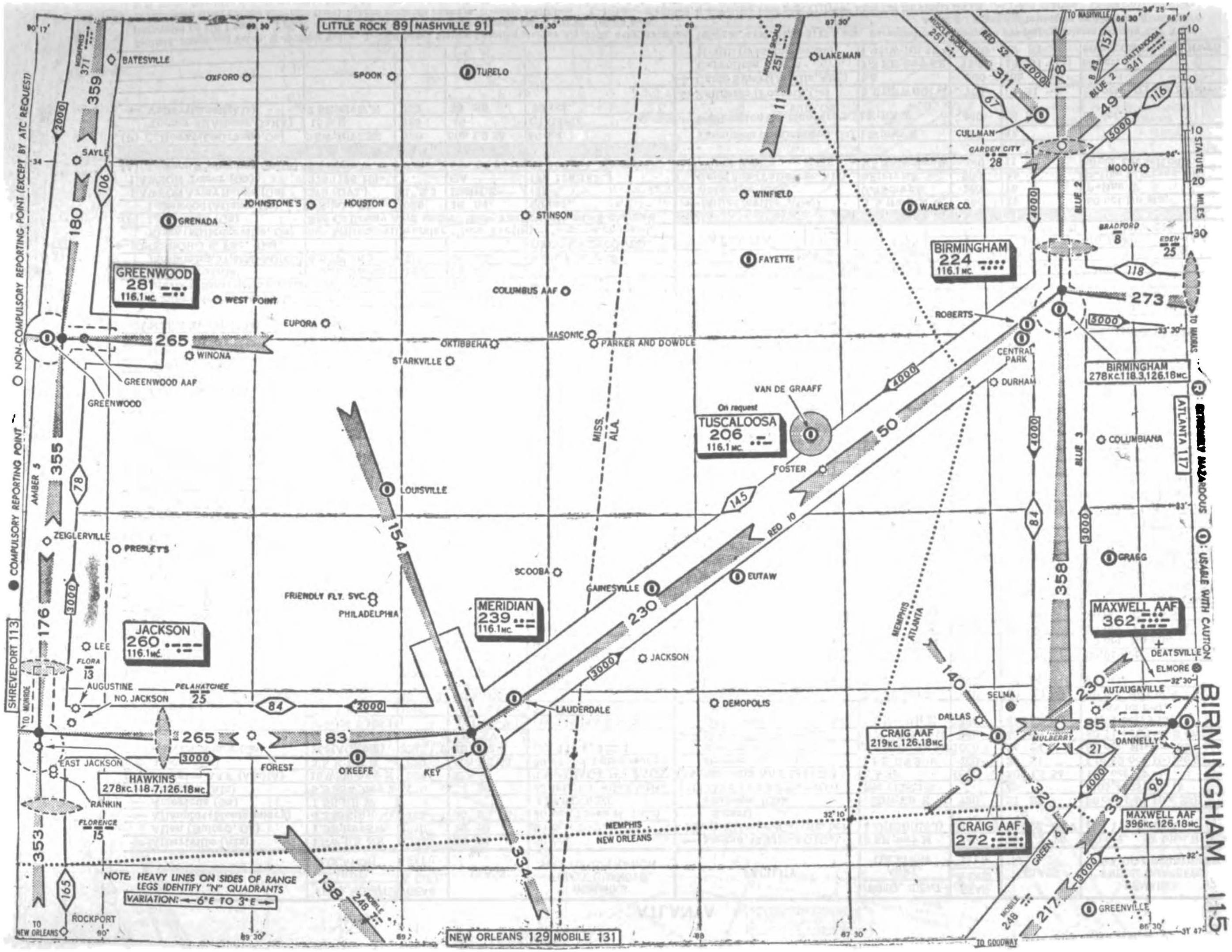
→ Friendly Flying Service (Philadelphia,Miss.)	0.7 SE	500	22 S4	80 oct.
Deatsville (Prattsville, Ala	9 5 NNW, hwy W	524	40	Emerg only. S,SE blckd.
Durham (Bessemer, Ala	2 5 SW, RR SE	500	23 L S6	80 oct. Rng lgts prior req.
West Point (Miss)	1 NE, RR W	256	19	Landing area rough.
Rankin (Jackson, Miss)	4 SSE; hwy W	250	30 S6	80 oct
Presley s (Pickens, Miss)	1 NNE, RR E	230	23 S6	80 oct. Poles sur fld
→ Fayette (Ala)	2.1 NNE; hwy W	356	15 S1	80 oct. P-line NW.
→ Jackson (Livingston, Ala)	1 W; hwy E	170	18 S4	80 oct
→ Scooba (Miss)	0 5 NE; RR W	250	19 S4	80 oct P-line OE Soft when wet
→ Sayle (Charleston, Miss.)	3 3 W; crk S	160	20 S2	80 oct Bldg S
→ Winfield (Ala)	0 5 SSE; hwys NNE	460	24 L S4	80,91 oct Trees sur fld
(P) Tupelo (Miss)	3 W; hwy S	338	32 S6	80 oct No acft repairs

S-Simul Range and Voice W-Without Voice Z-VHF Range Station Location Marker (3)-3105,4495,6210 kcs (4)-3105,4495,6210,3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice

- Army A C S transmits on and guards 116 1 137 88, 140 58 mcs

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing (see page 1111)

→ NEW OR REVISED DATA (NC)-Not charted |Jones| Airline Stop **N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalised.**


LITTLE ROCK 89 NASHVILLE 91
BATESVILLE
OXFORD
SPOOK
TURELO
LAKEMAN
TO NASHVILLE
CULLMAN
GARDEN CITY
28
MOODY
SAYLE
WINFIELD
WALKER CO.
GRENADA
JOHNSTONE'S
HOUSTON
STINSON
FAYETTE
BIRMINGHAM
224
116.1 MC.
BRADFORD
8
EDEN
25
GREENWOOD
281
116.1 MC.
WEST POINT
COLUMBUS AAF
ROBERTS
CENTRAL PARK
EUPORA
MASONIC
PARKER AND DOWDLE
OKTIBBEHA
WINONA
STARKVILLE
GREENWOOD AAF
GREENWOOD
VAN DE GRAAFF
On request
TUSCALOOSA
206
116.1 MC.
DURHAM
BIRMINGHAM
278 KC. 118.3, 126.18 MC.
ATLANTA 117
COLUMBIANA
FOSTER
LOUISVILLE
MISS. ALA.
ZEIGLERVILLE
PRESLEY'S
SCOOBA
GAINESVILLE
EUTAW
GRAGG
MAXWELL AAF
362
DEATSVILLE
ELMORE
FRIENDLY FLY. SVC.
PHILADELPHIA
MERIDIAN
239
116.1 MC.
JACKSON
260
116.1 MC.
LEE
FLORA
AUGUSTINE
PELAHATCHEE
NO. JACKSON
JACKSON
LAUDERDALE
DEMOPOLIS
SELMA
AUTAUGAVILLE
DALLAS
CRAIG AAF
219 KC. 126.18 MC.
MULBERRY
DANNELLY
EAST JACKSON
FOREST
O'KEEFE
KEY
HAWKINS
278 KC. 118.7, 126.18 MC.
RANKIN
FLORENCE
MEMPHIS
NEW ORLEANS
CRAIG AAF
272
MAXWELL AAF
396 KC. 126.18 MC.
GREENVILLE
TO GOODWAY
ROCKPORT
TO NEW ORLEANS
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 6°E TO 3°E
NEW ORLEANS 129 MOBILE 131
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
SHREVEPORT 113
TO MONROE
TO MARIAS
STATUTE 20 MILES 30
O: USABLE WITH CAUTION
BIRMINGHAM 115

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
→ Albertville (Ala)	1 NW;RR NE	1063	28 S6	80 oct.
Allen (Buford, Ga)	1.5 S;hwy SW	1070	15 S1	80 oct. P-line SW.
→ Allenport (Montgomery)	4.3 SSE;RR NE	175	30 S6	80 oct. Trees N. (Ala)
→ Americus (Ga)	1.5 S;RR W			ABANDONED
→ Anniston (Ala)	5.5 SSW;hwy E	610	24 S6	80 oct. 100' stack WNW.
(A) Anniston AAF (Ala)(A)	15 WSW;hwy N	527	53h	TMP INACT. NO FACS.
Athens (Ga)	3.5 E;RR N	807	40h L3 S6	80,91 oct. Lgts prior req
ATLANTA Range (Ga)	266(AG)(vhf)	331°,1.9	SBRAZ-DTXV	(3); 116.1, 122.1
ATLANTA Tower (Ga)	278(118.7,126.18)		AC(ILS-W)	(4); 126.18,118.7,122.5
→ [Atlanta] (Ga)	8 S; RR N	1005	48h L6 S6	73-100 oct.
ATLANTA Navy Range (Ga)	323 (NCQ)	86°,3.2	MRLWZ	
ATLANTA Tower (Ga)	356 (142.74)		CN	3105,4495,3117.5;142.7
(N) Atlanta NAS (Ga) (N)	8.5 NNE	1002	39h (L6) S6	100 oct. Hwy SE.
(P) Auburn-Opelika (Auburn)	2.8 E;RR N	770	40h L5 S6	80 oct. (Ala)
Bentley (Calhoun Falls, S.C.)	3 ENE	500	16	RR NNW.
→ Butler 14, TJ-AG (Ga)	0.5 NW;RR S	667	32 L3	Poles S.
Cedartown (Ga)	1.2 W;hwy SE	800	30 S4	80 oct. SE blkd.
→ Centre (Ala)	0.6 NNW	720	22 S4	80 oct. Trees SSE.
City-Co. (Carrollton, Ga)	See Carrollton Airport under "New Facilities"-name changed			
Clevenger's Arpk. (Marietta, Ga)	5 NE;RR W	1080	14 S4	Ltd 80 oct. No sto.
Cobb (Marietta, Ga)	6.4 SSW;rd S	1050	20 S6	Ltd 80 oct. No sto. Trees
(A) Cochran (Macon, Ga)(A)	10 S;RR E	354	50h	TMP INACT. NO NW. FACS.
Cochran 50, MM-AG (Ga)	5 NE;rd N	324	30 L2 S6	80 oct. Poles NW, NE, S, SE. (Ga)
Columbus (Ga)	1.5 SSE;riv SW	240	45 S6	80,91 oct.
(P) Cordele (Ga)	1.6 NNE;RR W	305	52h L3 S1	80 oct.
Crawford W. Long (Jefferson, Ga)	2.5 S;RR E	950	27 L1 S6	80 oct. P-line ESE. Fld lgts on req.
(N,P) Dublin (Ga)	4.5 WNW;hwy S	303	50h L2 S6	80 oct. NATS (Hospital)
Elberton (Ga)	2 SE;hwy W,N	800	19 S1	80 oct. Obst sur fld.
Felton (Cartersville, Ga)	2.5 N	790	23	Hills S,W,N;wires E,W
Flying "S" Ranch (Villa Rica, Ga)	1.7 NE	1040	17 S4	80 oct. No sto. Rocks NE Data unver.
Gadsden (Ala)	1.9 SW;hwy N	540	20 S2	80 oct. Fld rough.
Gainesville (Ga)	1.5 S;RR E,NW	1277	40h (L5) S6	80,91 oct. Lgts on req.
Griffin (Ga)	1.5 S;hwy E	936	30 L3 S6	80 oct. Twr E.
GUNTER Tower (Ala)	201(126.18)		CA	(3) (Oper. on a variable schedule)
(A) Gunter (Montgomery, Ala)	5 NE;hwy N	225	38h L6	(A)
Herbert Smart (Macon, Ga	4 ESE;hwy W	463	47h L5 S6	80, 91 oct.
Hurtsboro (Ala)	2.5 SE;RR SW	349	23 S1	78 oct.
Jackson Int, 57, MM-AG (Ga)	4.6 SW;rd S	716	30 L3	Barn E;bldg W.
→ JONESBORO K Fac. (Ga)				DECOMMISSIONED.
Kings (Milledgeville, Ga)	See Milledgeville under "New Facilities" - name changed.			
(P) La Grange (Ga)	See Calloway Arpt under "New Facilities"-name changed			
Lakewood (Atlanta, Ga)	4 S;lake SE	1026	16 S4	80 oct.
LAWSON Army Range (Ga)	379 (DVL)	21°,3.3	BMRLZ	(3)
LAWSON Tower (Ga)	278 (126.18)+		CA	(3); 126.18
(A) Lawson (Columbus, Ga)(A)	9.5 S;riv W	232	59h L5 S6	91,100 oct. No sto.
NEW FACILITIES				
(P) Calloway (LaGrange, Ga)	3 SW;RR ESE	700	50h L2 S6	80 oct.
Turner #1 (Albany, Ga)(A)	15 NE	285	45	CLOSED.
→ Valley (Lanett, Ala)	2 SE;riv N,E	552	26 S6	80 oct.

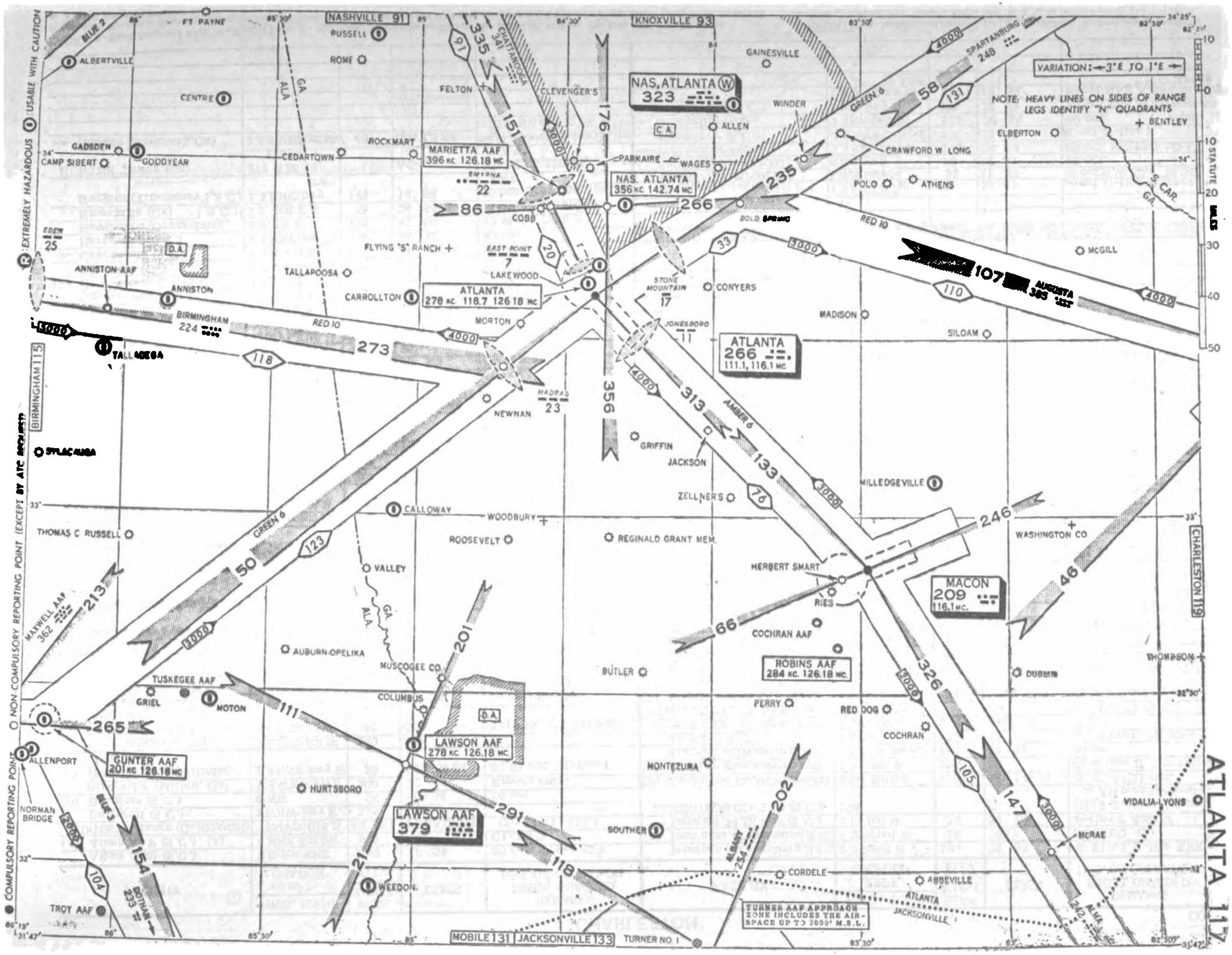
FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
→ McRae, 47, MM-AG (Ga)	2 SE;hwy N	247	26 L3 S6	80 oct. W blkd. Rough
MACON Range (Ga) (Herbert Smart)	209(UN)(116.1)	246°,4.8	BMLZ-DTV	(4); 116.1, 122.1
Madison (Ga)	2 SSW;RR E	720	27 S2	80 oct. Pwr line SSE.
MARIETTA AAF Twr (Ga)	396 (126.18)		CA	3105,4495;126.18
(A) Marietta AAF (A) (Ga)	2.5 SE	1030	60h L5 S4	100 oct. JP-1.
Montezuma (Ga)	1.5 E;RR S,W	300	35 S1	Ltd 80 oct. P-line S
Morton (Palmetto, Ga)	1.8 NNE;RR SE	1020	24 S4	80 oct. Hi-line SE.
→ Moton (Tuskegee, Ala)	3 N;RR;hwy W	269	40 S6	80,91 oct. Twr S end.
[Muscogee Co.] (Columbus, Ga)	5.6 NE;RR E	386	40h L5 S6	80,91 oct. Fld lgts on req.
Newnan Arpk (Ga)	3.7 SE;RR W	970	23 L1 S2	80 oct. Hwy W,N
→ Norman Bridge (Montgomery, Ala)	5.8 S;RR E	172	23 S4	80 oct.
Parkaire (Marietta, Ga)	7.7 E;hwy SW	1100	22 S6	80,91 oct.
Polo Arfld (Athens, Ga)	2 WSW;hwy N	720	12 S4	80 oct. No sto.
Red Dog (Cochran, Ga)	6.2 NW;RR S	300	23 S6	80 oct. Trees N,E.
Reginald Grant Memorial (Thomaston, Ga)	3.7 NNW;hwy NE	750	30 S4	80 oct. Trees S. Trees
Ries (Macon, Ga)	4.5 SE;RR W	300	17 S1	Ltd 80 oct.-emerg. NE.
ROBINS Tower (Ga)	284 (126.18)+		CA	(3); 126.18
(A) Robins (Warner-Robins)	1.5 NE Wellst'n	295	70h L5 S6	62,73,100 oct. JP-1.(A)
Roosevelt (Warm Spgs, Ga)	3.5 N;hwy W	870	22 S2	80 oct. Trees SE,SW,NW
Rockmart (Ga)	2 ENE;RR W	900	24 S6	80 oct. Trees N.
Rome (Ga)	3 NW;RR S	669	26 S6	80 oct. E blkd.
(N) Russell (Rome, Ga)	7 N;hwy N	644	45h L5 S6	80,91 oct. Lgts prior req.
★ Siloam Int, 7B, AG-CS (Ga)	1.3 S;rd W	654	39 L3	82' mast SE corner N/S strip. Data unver
Souther (Americus, Ga)	4 NE;RR W	470	66 S6	80 oct.
Talladega (Ala)	2.6 NE;hwy E	590	18 S4	P-line E, hill W. No sto.
★ Tallapoosa Int, 73, FV-AG	5.5 SSE	1210	21 L3	(Ga)
→ Thomas C. Russell (Alexander City, Ala)	1.5 SW	711	32 S6	80 oct.
(P) Troy (Ala)	4.8 NNW;rd E	393	50h L5	
(A) Tuskegee AAF (Ala)(A)	7.3 NW;RR S	253	50h	CLOSED.
→ Tuskegee Institute #1 (Ala)	4 SSE;hwy W			ABANDONED.
(A) Vidalia-Lyons (Vidalia, Ga	3.2 SE;hwy N	274	50h	TMP INACT. NO FACS.
Wages (Lawrenceville, Ga)	1.8 N;hwy E	1075	12 S2	80 oct. E blkd. (A)
Washington (Ga)	See McGill Field under "New Facilities" -name changed			
Weedon (Eufaula, Ala)	4.3 NNE;hwy E	275	28 S2	80 oct.
Winder, 4, AG-LG (Ga)	1.5 NE;bet rds	950	30 L3 S6	80,91 oct. NE,SE blkd.
Woodbury (Ga)	1.5 E	770	16 S1	Fuel, Data unver.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
ATLANTA	109.9	333.8	329°	IM-	MM- ·-·-(0.70) OM- --(4.40)
					MMK-201 ·-·· OMK-219 ····

NEW FACILITIES				
→ Milledgeville, (Ga.)	1.5 NW;RR W	360	28 S4	80 oct. No sto.
Abbeville (Ga)	0.8 S;hwy E	260	16	P-line W
Griel Aux (Tallassee, Ala)	4 S;riv NE	200	35	P-line W. Trees NE
Perry (Ga)	1.5 NNW;hwy W	340	11 S2	80 oct. Lgt acft only.
Thompson (Swainsboro, Ga)	1 W;hwy E	300	32	
Washington Co. (Sandersville, Ga)	1 E;RR W	460	26 S1	80 oct.
→ Zellner's (Forsyth, Ga)	1.8 NNW;RR W	705	18 S1	80 oct. Trees SW,NW.
→ Camp Sibert (Attalla, Ala.)	3 S	560	48h	
Carrollton (Ga)	3.3 NE;hwy SE	1200	18 S1	80 oct.
McGill (Washington, Ga)	1.4 NW;RR SE	600	22 S1	80 oct. Cat'l on fld. Hwy S

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105. 4495. 6210. 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. A.A.C.S.: Scheduled broadcast on 4765 kcs (first figure is scheduled time, second alternate time) h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page xiii) → NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop.
N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


NASHVILLE 91
KNOXVILLE 93
ATLANTA 117
EXTREMELY HAZARDOUS ○ USABLE WITH CAUTION
NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 3°E TO 1°E
STATUTE MILES
FT PAYNE
ALBERTVILLE
CENTRE
GADSDEN
CAMP SIBERT
GOODYEAR
RUSSELL
ROME
FELTON
CLEVENGER'S
CHATTANOOGA
GAINESVILLE
NAS, ATLANTA (W) 323
WINDER
ALLEN
ELBERTON
BENTLEY
CRAWFORD W LONG
SPARTANBURG 248
GREEN 6
ROCKMART
CEDARTOWN
MARIETTA AAF 396 KC 126.18 MC
SMYRNA 22
PARKAIRE
WAGES
NAS. ATLANTA 356 KC 142.74 MC
POLO
ATHENS
S. CAR.
GA.
COBB
BOLD SPRINGS
RED 10
EDEN 25
D.A.
ANNISTON AAF
ANNISTON
FLYING "S" RANCH
EAST POINT 7
LAKEWOOD
TALLAPOOSA
CARROLLTON
ATLANTA 278 KC 118.7 126.18 MC
STONE MOUNTAIN 17
CONYERS
MCGILL
MADISON
SILOAM
JONESBORO 11
ATLANTA 266 111.1, 116.1 MC
BIRMINGHAM 224
MORTON
TALLADEGA
BIRMINGHAM 115
SYLACAUGA
NEWNAN
MADRAS 23
GRIFFIN
JACKSON
ZELLNER'S
MILLEDGEVILLE
AMBER 6
CALLOWAY
WOODBURY
ROOSEVELT
REGINALD GRANT MEM.
THOMAS C RUSSELL
VALLEY
AUBURN-OPELIKA
MUSCOGEE CO.
HERBERT SMART
RIES
MACON 209 116.1 MC.
WASHINGTON CO
CHARLESTON 119
COCHRAN AAF
ROBINS AAF 284 KC. 126.18 MC.
BUTLER
DUBLIN
THOMPSON
MAXWELL AAF 362
TUSKEGEE AAF
GRIEL
MOTON
COLUMBUS
PERRY
RED DOG
COCHRAN
LAWSON AAF 278 KC 126.18 MC
LAWSON AAF 379
HURTSBORO
MONTEZUMA
VIDALIA-LYONS
ALLENPORT
GUNTER AAF 201 KC 126.18 MC
NORMAN BRIDGE
BLUE 3
BOTHAM 233
TROY AAF
WEEDON
SOUTHER
CORDELE
ABBEVILLE
ATLANTA
JACKSONVILLE
MCRAE
TURNER AAF APPROACH ZONE INCLUDES THE AIR-SPACE UP TO 3000' M.S.L.
MOBILE 131
JACKSONVILLE 133
TURNER NO 1
ALBANY 254
ALMA
BLUE 2
RED 10
GREEN 6
AMBER 6
ALA.
GA.
CA
D.A.
91
335
341
151
176
356
58
131
235
266
86
22
20
7
17
11
33
107
110
273
118
313
133
76
246
46
50
123
213
362
111
265
201
21
291
154
233
104
66
326
105
147
202
254
242
3000
4000
2000

CHARLESTON

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Aiken (old) (S.C.)	2 E;RR NNE	500	19 S4	80 oct. Trees SSW.
(A) Aiken AAF (S.C.) (A)	6 NNE;RR SW	530	51h	CLOSED
AUGUSTA Range (Ga)(Daniel)	385(VD)(116.1)	46°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Barnwell (S.C.)	1 WNW;hwy E	235	50h	
(P) Beaufort (S.C.)	4 NW	38	60h S4	80 oct.
Birdsville (Millen, Ga)	9.4 WNW;riv S	200	22	Emerg only.
(P) [Bluethenthal](Wilmington, N.C.)	2.8 NNE;hwy W	30	70h L5 S4	80,91 oct. No flood
Bush (Augusta, Ga)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville, Ga) (A)	3 NE;hwy SW	46	50h	TMP INACT.NO FACS.
Carlisle (Bamberg,S.C.)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Beach (N.C.)	2.2 NNW;hwy E	32	16 S1	80 oct. (limited)
Carolina Skyways (Charleston, S.C.)	6 SSW;riv W	10	2S S6	80 oct. ENF,E,V'SW, NW blkd.
CHARLESTON Range (S.C.)	329(CS)(116.1)	110°,2.0	SBRAZ-DTV	(3); 116.1, 122.1
CHARLESTON Tower (S.C.)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18,118.3,122.5
(N) [Charleston Mun.] (S.C.)	9.8 NW;RR NE	45	70h L6 S4	100 oct.Use rnwys only. NATS (Hospital)
(N) Charleston (S.C.) (N)	4 N;riv E			ABANDONED.
(NG) Chatham AAF (Savannah, Ga) (NG)	7.5 NW;RR S	50	70h L5 S4	100 oct.1-ech ltd 2-ech maint NG.No bcn.
→ Clark (Charleston, S.C.)	4 S;harbor NE	6	21 S4	80 oct. Trees sur fld.
COLUMBIA Range (S.C.) (Lexington Co).	227(CI)(116.1)	268°,7.3	SBRAZ-DTV	(4); 116 1,122.1.
(NG) Congaree (Columbia,S.C.)	15.5 ESE;RR S	237	45h	NAVY INACTIVE.
(A) Coronaco AAF(Greenw'd)	3.8 N;RR E	629	50h	(S.C.)(A) CLOSED.]fld
Conway (S.C.)	2 1N;RR W	20	24 S1	80oct.Trees,p-line sur
DANIEL Tower (Ga)	278 (126.18, 118.9)		C	(4);126.18.122.5.118,9
→ [Daniel](Augusta,Ga)	2.5 W;RR S	420	42h L5 S6	80,91 oct. P-line S
Donald (St.Matthews,S.C.)	2.5 NNE;RR S	280	18 S1	Ltd 80 oct.Trees SE.
Duke (Chadbourn, S.C.)	1 N;RR SW	96	20 S4	80 oct.
* Elloree Int,25,AG-CS(S.C.)	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill (S.C.)	2.5 SSW;RR E	135	25	
FLORENCE Range (S.C.)	320(FL)(116.1)	292°,1.7	SBMRLZ-DTV	(4); 116.1,122.1
Florence (S.C.)	3.5 E;RR SW	146	60h L5 S1	80, 91 oct.
Georgetown (S.C.)	1 NW;riv E	12	29 S6	80, 91 oct.
(P) Georgetown Co. (S.C.)	4 S;bay E	37	50h	
Glenville (Ga)	2 SW;hwys N,E	175	32 S1	80 oct.
→ Greenwood (S.C.)	2.6 W;RR E	650	24 S6	80,91 oct.
Hartsville (S.C.)	2.1 NNE;hwy S	230	25 S2	80 oct.
Hawthorne (Orangeburg, Hinesville (Ga) S.C.)	5 S;RR E 3 S; RR E,S	195 55	47 S6 24 S4	80,91 oct.Tank N 80 oct.No sto.Rdo re-pairs
Huggins (Timmonsv'l,S.C.)	1.5 ENE;hwy NW	149	18 S4	80 oct. Pwr line NNW
HUNTER Tower (Ga)	278 (126.18, 118.7)		AC	(4); 122.5,126.18, 118.7
→ [Hunter](Savannah,Ga)	3.5 SW;RRyd NW	40	50h L5 S6	80,91,100 oct.Sharp incline 370' NE of NE/SW strip
Jennings (Orangeburg,S.C.)	2.3 S;RR E •	190	25 S2	80,91 oct.P-line ENE
(A) John's Isl.(Charleston,S.C.)	7 SSW;rd W	16	50h	CLOSED. (A)
* Lane Int,24,JX-RW(S.C.)	3 S; RR W	72	34 L3	P-line E,ESE,W
LEXINGTON CO. Twr.(S.C.)	396		C	(4);(8-24)(See Notice to Airmen Section)
(P) [Lexington Co.](Columbia)	7 SW;RR SE	233	56h L5 S1	(S. C.)80,91 oct.
(P) Lindsey (Swainsboro,Ga)	2.3 S;RR W	300	30	Pole line E. Emerg only.
Manning (Allendale,S.C.)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning (S.C.)	1.5 SE	125	20 S1	Ltd 80 oct. RR NNE
MYRTLE BEACH Army Rng	379 (DMB)	69°,4.4	BMRLZ	(S.C.)
MYRTLE BEACH AAF Tower	272 (126.18)		CA	(3); 126.18 (S.C.)
(A) Myrtle Beach AAF (S.C.) (A)	3 WSW;hwy SE	24	50h L5 S6	73,91,100 oct.No sto.
(A) North (S.C.) (A)	1.5 SE;hwy N	320	50h	TMP INACT.NO FACS
North Augusta (S.C.)	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive(Wampee,S.C.)	3.5 SE;hwy SE	33	60h	
Owens (Columbia,S.C.)	2.5 SE;RR SW	192	36h L4 S6	80,91oct.Tank WSW;
→ Parris Isl. (S.C.)	1.5 S	11	60h	CLOSED | twr SSE
Peiffer (Wilmington,N.C.)	6 ESE;hwy N	10	18 S6	80 oct. N,NNE blkd.
Ridgeland (S.C.)	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
SAVANNAH Rng (Ga)(Hunter)	263(SH)(116.1)	51°,2.2	SBMRLZ-DTV	(3); 116.1, 122.1
→ Savannah-Wilmington (Savannah, Ga)	8 ESE;hwy NW	10	29 L S6	80 oct.Bndry lgts.N,NE blkd.Rough.
SHAW Tower (S.C.)	272 (126.18)		CA	(3); 126.18
(A) Shaw (Sumter, S.C.)(A)	7 WNW;RR W	236	45h L5 S6	73,91,100 oct.JP-1.
(P) Statesboro (Ga)	3.8 NE;hwy W	180	53h	
(P) Sumter (S.C.)	1.5 NW;RR S	169	30 S6	80,91 oct.Data unver.
→ Sylvania (Ga)	7.5 SSE	160	50h	CLOSED.
Trenton (S.C.)	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston,S.C.)	5.5 W;RRs N	12	29 S6	80 oct.Poles sur fld.
(P) Walterboro (S.C.)	1.3 NE;hwy SE	93	58h S2	80 oct.
W.Savannah(Savannah,Ga)	3 W;RR W,N	42	23 S6	80 oct.P-line NW.
Whiteville (N.C.)	3.7 S;RR N	60	18 S1	Ltd 80 oct.
Wilmington Arpk. (N.C.)	3 SE;hwy N	20	27 S4	80 oct.N & E blocked.
(P) Woodward (Camden,S.C.)	2.9 NE;hwy E	300	30h S4	80,91 oct. Parked acft on fld

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

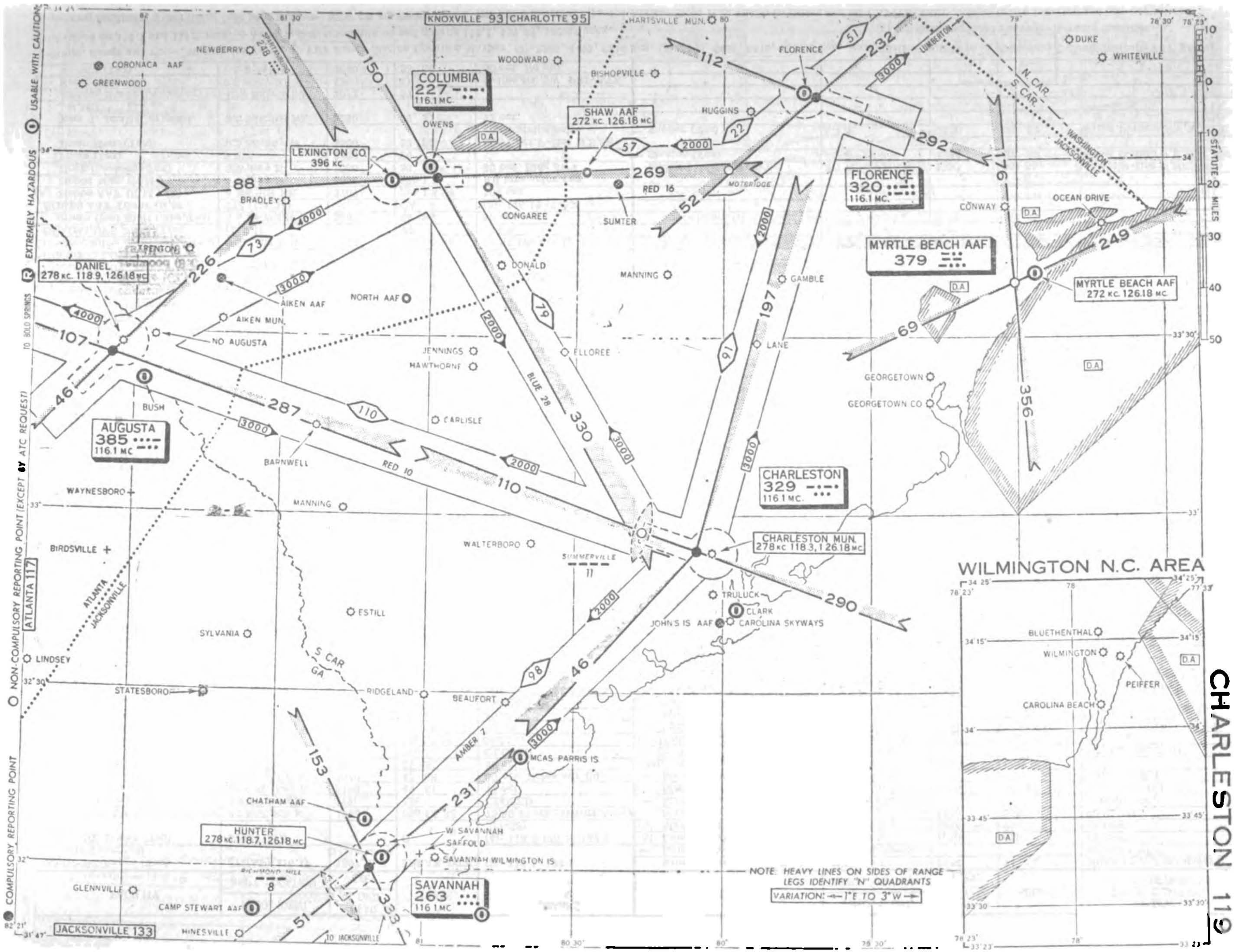
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHARLESTON	110.3 -·-·-	335	147°	IM-	MM- ·—·—(0.64)	OM- ——(4.18)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bradley (Batesburg,S.C.)	3.2 SE;hwy W	210	22 S2	80 oct.P-line W.trees
Gamble(Kingtree,S.C)	1 8 E;hwy N	52	21 S2	80 oct.S,W blkd | S,SE
Saffold (Savannah,Ga)	4 E;hwy S	10	32 S4	80 oct.
→ Waynesboro (Ga)	3.5 SSE;hwy E	295	36 S4	80 oct. NE,ENE blkd.
Newberry (S.C.)	2.3 NNW;RR NE	565	22 S2	80 oct.P-line E
→ Glennville (Ga)	2 SE;riv N,E	552	26 S6	80 oct. | blkd.
→ Bishopville (S.C.)	2 SW;hwy N	175	32 S1	80 oct.ESE,WNW appchs
	1.8 NNE;hwys 0.6 SW	220	19 S2	80 oct.NNE,E,SSW blkd by trees

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (S) - 2165, 4495, 6210 kcs. (4) - 2165, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.85 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

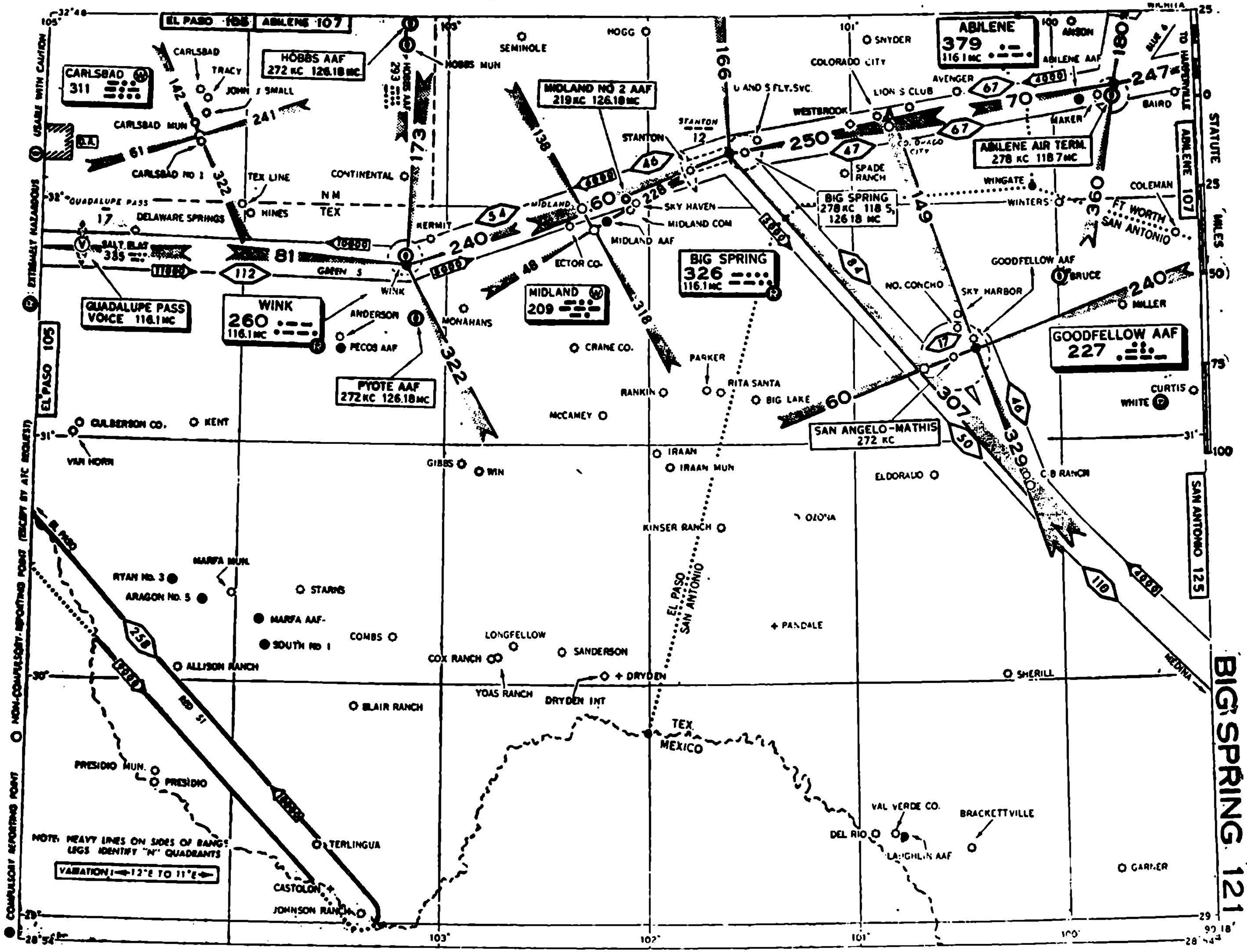
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


KNOXVILLE 93 CHARLOTTE 95
COLUMBIA
227
116.1 MC.
LEXINGTON CO.
396 KC.
SHAW AAF
272 KC. 126.18 MC
DANIEL
278 KC. 118.9, 126.18 MC
AUGUSTA
385
116.1 MC.
FLORENCE
320
116.1 MC.
MYRTLE BEACH AAF
379
MYRTLE BEACH AAF
272 KC. 126.18 MC.
CHARLESTON
329
116.1 MC.
CHARLESTON MUN.
278 KC 118.3, 126.18 MC
HUNTER
278 KC. 118.7, 126.18 MC
SAVANNAH
263
116.1 MC
JACKSONVILLE 133
ATLANTA 117
NEWBERRY
CORONACA AAF
GREENWOOD
WOODWARD
BISHOPVILLE
HARTSVILLE MUN.
FLORENCE
DUKE
WHITEVILLE
HUGGINS
OWENS
BRADLEY
CONGAREE
SUMTER
RED 16
MOTORIDGE
CONWAY
OCEAN DRIVE
DONALD
MANNING
GAMBLE
LANE
JENNINGS
HAWTHORNE
ELLOREE
NORTH AAF
AIKEN AAF
AIKEN MUN.
NO AUGUSTA
BUSH
BLUE 28
CARLISLE
BARNWELL
RED 10
WAYNESBORO
MANNING
GEORGETOWN
GEORGETOWN CO
WALTERBORO
SUMMERVILLE
TRULUCK
CLARK
JOHNS IS AAF
CAROLINA SKYWAYS
BIRDSVILLE
ESTILL
SYLVANIA
LINDSEY
STATESBORO
RIDGELAND
BEAUFORT
AMBER 7
MCAS PARRIS IS
CHATHAM AAF
W SAVANNAH
SAFFOLD
SAVANNAH WILMINGTON IS
GLENNVILLE
CAMP STEWART AAF
HINESVILLE
TO JACKSONVILLE
ATLANTA JACKSONVILLE
S CAR GA
N. CAR. S. CAR. WASHINGTON JACKSONVILLE
LUMBERTON
WILMINGTON N.C. AREA
BLUETHENTHAL
WILMINGTON
PEIFFER
CAROLINA BEACH
DA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 1°E TO 3°W
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
TO BOLD SPRINGS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
CHARLESTON 119

BIG SPRING

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ABILENE Range (Tex) (Air Terminal)	379(AP)(116.1)	180°, 2.2	SBRAZ-DTV	(3); 116.1, 122.1
ABILENE Tower (Tex)	278 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)
(P) [Abilene Air Terminal](Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.; 100 oct.Army
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Allison Ranch (Marfa, Tex)	23.4 SW;hwy E	5100	49 S1	73 oct.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct. Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED.
(P) Avenger (Sweetwater,Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;hwy S	2950	37 S1	80 oct.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-VDT	(3);116.1,122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18,122.5,118.5 (7-23)
(N)(P) [Big Spring] (Tex)	3.3 WSW;RR N	2595	62h L5 S6	80,91,100 oct. NATS.
Blair Ranch (Marathon, Tex)	23.5 SSW;hwy E	4180	24	PRIVATE.
Brackettville (Tex)	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Bruce (Ballinger, Tex)	4.5 SSW;hwy NW	1731	23h S6	80 oct.Usable strip 7460'.
CARLSBAD Range (Mun)(N.M.)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) [Carlsbad Mun] (N.M.)	6.1 SSW	3276	65h L5	Hwy E. Rnwy lgts on req.
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Castolon (Tex)	0.8 NNW;riv SW	2300	16	High butte 0.5 mi E.
C-B Ranch (Fort McKavett, Tex)	1.5 W;rd S	2150	32 S1	80 oct. Livestock on fld.
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80, 91 oct. Use rnwys only.
→ Combs (Marathon, Tex)	0.8 SE;RR N	4100	26 S2	80 oct.
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Cox Ranch (Longfellow,Tex)	8.2 SW;RR S	3700	48	PRIVATE.
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct. Hi-line S.
(P) Culberson Co.(Van Horn,Tex)	3.5 ENE;RR S	3955	60h	
Curtis (Brady, Tex)	3 N;hwy SE	1830	42 S1	Ltd fuel.
Decker Ranch (Candelaria, Tex)	11.5 N	3650	29	PRIVATE.
*↓ Delaware Springs Int, 11, EO-FV (Tex)	16.8 E Pine Springs	3955	40 L3 S1	91 oct. P-line SSE.
Del Rio (Tex)	1.5 WSW;hwy E	1025	30 S4	80 oct. No sto.Poles N.
Dryden Airdrome (Tex)	1 W	2159	18	
**↓ Dryden Int,29,EO-JI (Tex)	5.7 W;hwy N	2300	45h L3	
→ Dyche (Ft. Stockton,Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
→ Eden (Tex)	1 NW;hwy E			ABANDONED
↘ Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct. Poles E.Cattle on fld.
(A) Fort Clark (Brackettville)(A)	1.5 SW;rd E			ABANDONED
Garner (Uvalde, Tex)	2.7 E;hwy N	930	17h S1	80 oct.
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.
GOODFELLOW Army Range	227 (DIP)	329°,2.5	BMRLZ	(3)
↘ GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)	3 SE;rds N,W	1877	55h L5 S6	73,91,100 oct. JP-1. (A)
GUADALUPE PASS (Tex)	(116.1)		VP	116.1
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 S1	80 oct.
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct.
Hobbs Mun. (N.M.)	5 W;hwy N	3658	50h L5	All lgts prior req.
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE. Use strips only.
John J. Small (Carlsbad, N.M.)	3.5 SSE;RR NE	3150	27 S1	73 oct.
Johnson Ranch (Castolon,Tex)	10.7 SE;riv SW	2092	37	
Kent (Tex)	0.6 WNW;RR S	4260	21	P-line NE,SW. PRIVATE.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona,Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
→ Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(A) Laughlin (Del Rio,Tex)(A)	7 E;hwy N	1070	67h	CLOSED.
(A) Marfa AAF (Tex) (A)	9 ESE;R R N	4885	75h	CLOSED.
Marfa Mun. (new) (Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
→ Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
→ Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED
MIDLAND Range (Tex) (AAF)	209 (DON)	48°,3.8	MRLWZ	
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18
(A)[Midland AAF] (A) (Tex)	9.5 WSW;RR S	2867	64h L1	CLOSED.
(A) Midland #2 (A) (Tex)	3 NW;rd E	2805	64h L5 S4	91, 100 oct. JP-1.No sto.
Midland Com. (Tex)	1.1 SSE; hwy N	2800	30 S6	80 oct.P-line sur fld.Strip ends rough
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto.
→ Monahans (Tex)	1.2 SW;RR N	2643	33 S6	80,91 oct.P-line SSW.
North Concho(San Angelo,Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Pandale (Tex)	8 NE		20 S2	80 oct. Data unver
Parker, (Texon,Tex)(	2.3 W; RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Presidio (Tex)	4 N;hwy W	2850	48	NOT MAINTAINED.
Presidio Air Strip (Tex)	0.8 NE;hills E	2500	21	PRIVATE.
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91,100 oct. No sto.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld.
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld.
(A) Ryan #3 (Marfa,Tex) (A)	19 WNW;RR NE	4750	60h	CLOSED.
SAN ANGELO Tower (Tex)	272		CI	(4); (12 noon-1 hr.after sun-set).
(P) [San Angelo] (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct.
Sanderson (Tex.)	2 W;hwy N	2900	24 S2	80 oct,400' hills W,E.
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips.
Sherrill(Rock Springs, Tex)	4 W;hwy S	2400	21	Cattle on fld. P-line W,NW.
Sky Harbor (San Angelo,Tex)	4.6 NNW; RR SW	1840	30 L3 S4	80,91 oct.After 2100 lgts on req.
Sky Haven (Midland, Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
(A) South #1 (Marfa, Tex) (A)	15 SE	4825	60h	CLOSED. W-mill WNW
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct.Rnwy lgts prior req
Terlingua (Tex)	2 E;hwy SW	2700	36	
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Tracy (Carlsbad, N.M.)	2 ENE;hwy S	3080	30 S6	80 oct.
U & S Fly Svc.(Big Spring)	1.5 N; hwy 1 S	2517	34 S6	80 oct.P-line N,NNE.Ctn E/W strip.(Tex)
Val Verde Co.(Del Rio, Tex)	4.5 ENE;RR S	1094	49h	
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct. Poles NW.
★ Westbrook Int,32,EO-FV	1.3 S;RR N	2188	34 L3	P-line N,S. (Tex)
White (Brady, Tex)	10 W;RR N	1550	73	
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260 (WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80,91 oct.
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
Yoas Ranch (Longfellow,Tex)	6.5 WSW;RR N	3675	36	PRIVATE.P-line NW.
NEW FACILITIES				
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex	14.8 S;ranch 4 E	2127	26	
Maker (Abilene,Tex)	2.7 W;hwy,RR N	1750	30 S1	80 oct.P-line N,NE,NW
→ Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW.
→ Snyder (Tex)	1.3 S	2270	21 S2	80 oct.P-lines NW,W,SE.E blkd.

S-Simul. **Range and** Voice. W-Without **Voice. E-VHF Range** Station Location Marker. (3)-3105, **4495, 6210 kcs.** (4)-3105, 4495, 6210, 3117.5 **kcs.** Parenthetical **Numbers in** Frequency Column indicate VHF Voice, **(vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.86, 140.58 mcs.** h-hard surfaced runways. R-radio facilities. **L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.**


EL PASO 105
ABILENE 107
CARLSBAD 311
CARLSBAD MUN
CARLSBAD NO 1
TRACY
JOHN J SMALL
HOBBS AAF
272 KC 126.18 MC
HOBBS MUN
SEMINOLE
HOGG
MIDLAND NO 2 AAF
219 KC 126.18 MC
U AND S FLY. SVC.
SNYDER
COLORADO CITY
ABILENE
379
116.1 MC
ABILENE AAF
AVENGER
LION S CLUB
WESTBROOK
STANTON
SPADE RANCH
BAIRD
ABILENE AIR TERM.
278 KC 118.7 MC
WINGATE
WINTERS
COLEMAN
FT. WORTH
SAN ANTONIO
BIG SPRING
278 KC 118.5
126.18 MC
TEX LINE
NM
TEX
HINES
CONTINENTAL
GUADALUPE PASS
DELAWARE SPRINGS
SALT FLAT
385
GUADALUPE PASS
VOICE 116.1 MC
WINK
260
116.1 MC
WINK
ANDERSON
PECOS AAF
PYOTE AAF
272 KC 126.18 MC
HERMIT
MIDLAND
SKY HAVEN
MIDLAND COM
MIDLAND AAF
ECTOR CO.
MONAHANS
BIG SPRING
326
116.1 MC
MIDLAND
209
GOODFELLOW AAF
BRUCE
NO. CONCHO
SKY HARBOR
MILLER
GOODFELLOW AAF
227
CRANE CO.
PARKER
RANKIN
RITA SANTA
BIG LAKE
CURTIS
WHITE
McCAMEY
SAN ANGELO-MATHIS
272 KC
GULBERSON CO.
KENT
VAN HORN
IRAAN
IRAAN MUN
GIBBS
WIN
EL DORADO
C B RANCH
KINSER RANCH
OZONA
MARFA MUN.
RYAN No. 3
ARAGON No. 5
STARNS
MARFA AAF
SOUTH No 1
COMBS
LONGFELLOW
COX RANCH
SANDERSON
PANDALE
ALLISON RANCH
YOAS RANCH
DRYDEN
DRYDEN INT
SHERILL
BLAIR RANCH
TEX
MEXICO
PRESIDIO MUN.
PRESIDIO
TERLINGUA
CASTOLON
JOHNSON RANCH
VAL VERDE CO.
DEL RIO
LAUGHLIN AAF
BRACKETTVILLE
GARNER
MEDINA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION 12°E TO 11°E
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
STATUTE MILES
BIG SPRING 121

CORPUS CHRISTI

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALICE Range (Tex)	224 (EZ)	72°,3.6	SRAWZ	
(P) Alice (Tex)	3.3 ESE;RR N	177	48h L5 S6	80, 91 oct.
(A) Aloe AAF (Victoria,Tex)	6 WSW;RR SE	107	57h	CLOSED. (A)
(A) Aloe #10 (Victoria,Tex)(A)	19.8 WSW	150	40h	CLOSED.
➝ Asherton (Tex)	1 S;hwy N	552	13	Trees N.Bush ENE.CTN.
✶ Austwell Int,5A,CR-HU	2.1 SSW;bay NE	23	32 L2	Fence sur fld.(Tex)
BRQWNSVILLE Range (International) (Tex)	388(JI)(116.1)	157°,2.3	SBRAZ-DTV	(3);116.1,122.1
CABANISS NAAS Tower (Tex)	(142.74)		CN	3105;142.74 (during flgt opers).
(N) Cabaniss NAAS (Corpus Christi, Tex) (N)	6.2 SSW;RR NE	30	50h L5 S4	91 oct.
Central Valley (Mercedes)	1.5 NE;hwy S	62	31h S6	80,91 oct.Data unver.
➝ Chase (Beeville,Tex.)	5.6 ESE;rd N	186	46h	CLOSED. (Tex)
Chupadera Ranch Emerg. Strip (Laredo, Tex)	60 NW	630	33 L1	
CLIFF MAUS Tower (Tex)	278 (118.3)		C	(4);118.3,126.18,122.5 (7-23)
[Cliff Maus](Corpus Christi, Tex)	2.5 SW;RR N	42	45h L5 S6	80,91 oct.No sto.Repairs for airlines only
➝ Commercial (Edinburg)	1 W;RR SE	90	13 S1	73 oct.P-line NW
Community (Sinton,Tex)	2 W;RR SE	143	50	(Tex)
CORPUS CHRISTI Range (Cliff Maus) (Tex)	382(CR)(116.1)	138°,2.9	SBMRLZ-DTV	(3); 116.1,122.1
CORPUS CHRISTI Navy Range	248 (NGP)	350°,3.3	MLZ	(3); 142.74
CORPUS CHRISTI NAS Tower	248 (142.74)		CN (GCA)	(3); 142.74
(N) Corpus Christi NAS (Tex)	9.5 SE	19	58h L5 S6	91,100 oct. NATS.(N)
CORPUS CHRISTI NAS Seaplane Tower (Tex)	2870(142.74)		CN	3105;6210; 142.74
(N) Corpus Christi OLF #10 (Tex) (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLF #11 (Tex)(N)	16 SSW	29	15h	13 SSW Aberdeen
(N) " OLF #25 (Tex)(N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLF #41 (Tex)(N)	16 SSE	23	20h	11.8 SSE Aberdeen.
➝ Crystal City (Tex)	1.8 N;RR W	600	31 S4	80 oct.P-line ENE,WSW.
➝ CUDDIHY NAAS Tower (Tex)				DECOMMISSIONED.
(N) Cuddihy (Corpus Christi)	7.8 SW;crk S	39	50h L3 S6	80,91 oct.No bcn. (Tex.)
➝ Dimmit Co.(Carrizo Spgs, (Tex)	2.8 E;hwy N	640	26	P-line NNE,WSW.
➝ Eagle Pass (Tex)	10 N;RR N	887	59h	
Eagle Pass Mun. (Tex)	1.3 E;hwy N	774	29 S2	80 oct.ARPT OF ENTRY
➝ Elsa (Tex)	1 SSE;RR SE	70	21 L S6	80 oct.Lgts prior req.
Foster (Victoria, Tex)	6.5 NE;RR S	104	52h	
Fox (Raymondville,Tex)	1 WSW;RR S	40	26 S2	73,80 oct.Poles W,SE.
➝ Freer (Tex)	3.8 NNW			ABANDONED
➝ Harlingen, com. (Tex)	1.8 SSW	41	18	
➝ Harlingen (Tex)	5 NW;RR SW			ABANDONED
➝ Harlingen, mun. (Tex)	3.5 NE	35	60h L5 S6	80,91 oct.Lgts prior req
Hunt (Portland, Tex)	2 WNW	35	16 S5	80 oct. RR ESE.
Indianola (Magnolia Beach)	2 SW;hwy N	17	34	PRIVATE. (Tex)
INTERNATIONAL Tower (Brownsville, Tex)	278 (126.18. 118.7)		C (ILS-W)	(4); 118.7,126.18,122.5 (8-24)
(P) [International] (Brownsville, Tex)	4.5 E;hwy N	22	59h L6 S6	73-100 oct. ARPT OF ENTRY.100 oct.Army
Kahler (Alamo, Tex)	4 NNE;RR W	90	20 S1	73 oct.Poles sur fld.
Kenedy (Tex)	1.4 ESE;RR N	270	19 S2	80 oct.
✶ Kingsville Int,11,JI-FV	3.5 S;RR W	58	26 L3	(Tex)
➝ " (North) (Tex)	3.5 ESE	47	61h	CLOSED. Hwy NW.
Kingsville (South)(Tex)	3.5 SE;hwy N	51	61h S4	80, 91 oct. Hwy W.
Lake Mathis (Mathis,Tex)	5 WSW;RR SE	161	20	
➝ La Laja (Dolores,Tex)	1.5 NNE;riv SW			ABANDONED
LAREDO Range (Tex)	206(LL)(116.1)	137°,3.1	SBRAZ-DTV	(4); 116.1,122.1
➝ [Laredo] (Tex)	3.5 NE;hwy, RR W	512	66h L5 S6	80,91 oct.Lgts on req. ARPT OF ENTRY.
Los Fresnos (Tex)	0.8 SSE;RR W	35	24 S1	73,80 oct.P-line W.
➝ McAllen (Tex)	1.6 SSW;hwy E	115	29 S6	80,91 oct.Obst sur. fld.
➝ Magic Valley (Mission)	1.5 SSW;1k W			ABANDONED
(A) Matagorda Island (Tex)(A)		7	40h	TMP INACT.NO FACS. 9 SSW Port O'Conner.
Matagorda-Peninsula (Matagorda, Tex)	6.5 E Port O'Conner	5	40h	
Mauldin (Brownsville,Tex)	4.4 NNW;RR W	22	35 S6	80,91 oct.Poles W.
➝ Mid-Valley (Weslaco,Tex)	1.7 NE;RR W	70	25h S4	80 oct.Canal N,E,S.
➝ Moore (Mission, Tex)	12 N;RR E	219	50h L5 S6	80,91 oct.
➝ " #1 (Mission,Tex)	10 N Edinb'g	80	40h	Hwy,RR W
(A) " #3 (Mission,Tex)(A)	5 N LaGrulla	300	30h	CLOSED.
PALACIOS Range (Tex)	350 (UX)	118°,1.6	MLWZ	
Palacios (Tex)	2.7 WNW	13	50h S1	80 oct.
✶ Pawnee Int,22,JI-FV (Tex)	5 WNW;RR W	368	30 L3	
(P) Port Isabel (Tex)	10 NW	12	48h	
✶ Raymondville Int,5,JI-FV	3.5 NNE	34	29 L3	RR W. (Tex)
(P) Rockport (Tex)	4.3 N;bay W	22	45h	
RODD NAAS Tower (Tex)	(142.74)		CN	3105;142.74(during flgt
(N) Rodd NAAS (Corpus Christi, Tex) (N)	9.8 S;RR NE	20	51h L5 S4	91 oct.No sto. opers.)
Rooke (Refugio, Tex)	3.2 WSW;RR E	46	30 S1	73 oct.Cattle on fld.Twr
➝ San Benito,2,JI-FV (Tex)	1.5 E;RR SW	31	26 L3 S6	80,91 oct,Bust SW. NW.
➝ Shary (Mission, Tex)	1 NW;RR E			ABANDONED
Sinton (Tex)	1.3 E;RR NW	27	48 S6	80,91 oct.No sto.
Tanner Sea & Land Plane Base (Port Lavaca,Tex)	3 S;hwy S	12	22 S1	80 oct.Pwr line sur fld
Traviand (Beeville,Tex)	2 NW;RR E	225	19 S2	80 oct.Poles E.
➝ Waldron (Corpus Christi, Tex)	12 SSE;hwy NNE	25	50h	CLOSED.
➝ Weisman (Kingsville,Tex)	2.5 NNE;RR S			ABANDONED
➝ Wormser (Lardeo, Tex)	4 SE;hwy W			ABANDONED
Worsham (Taft.Tex)	0.8 ENE	54	25 S6	80 oct. Hwy SW.

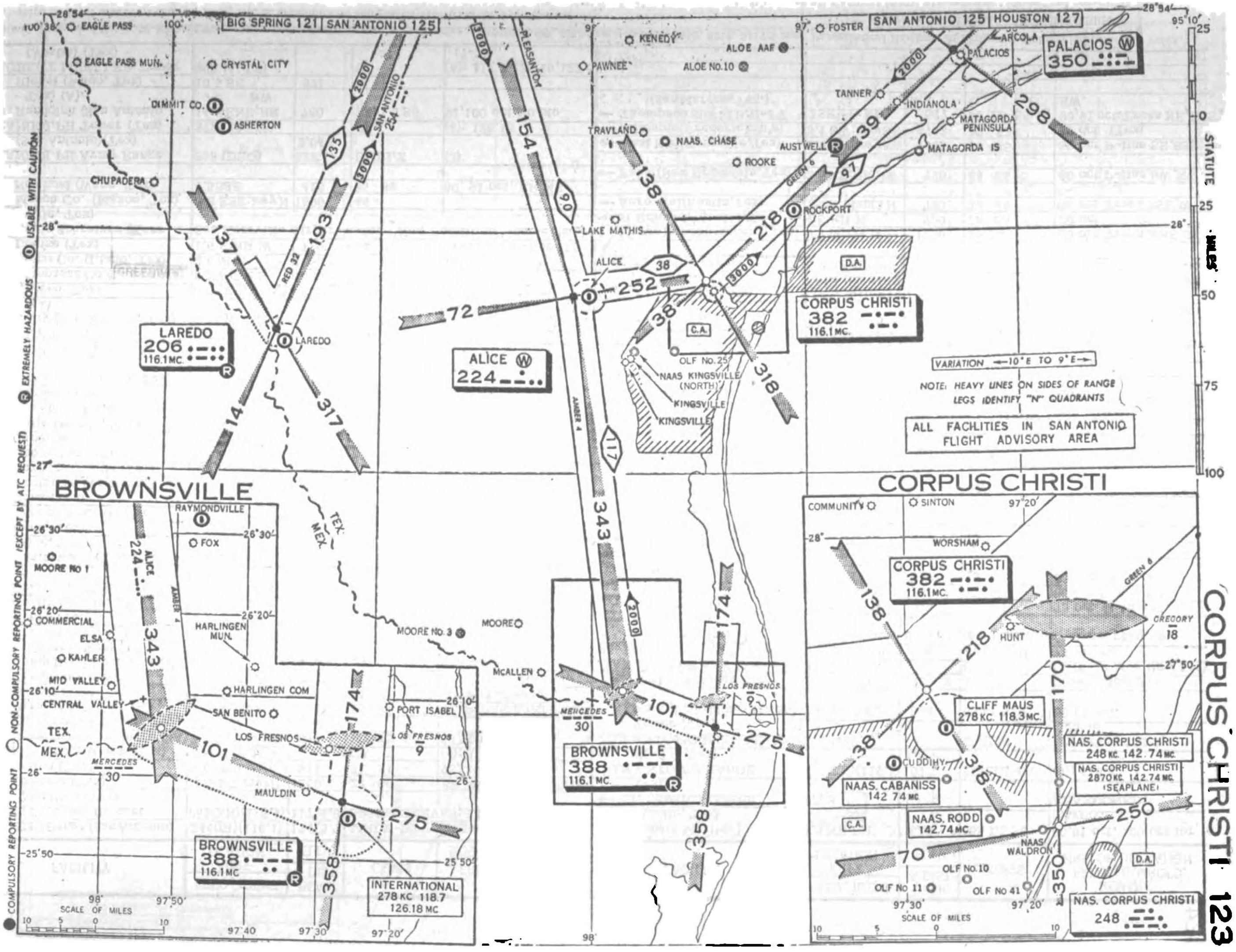
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INTERNATIONAL	110.3 •−•−•	335	170°	IM−	MM−•−•−(0.66)	OM− −−(4.34)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities.

L-lighting facilities. S-servicing (see page XIII) ➝ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop, N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


BIG SPRING 121 | SAN ANTONIO 125
SAN ANTONIO 125 | HOUSTON 127
EAGLE PASS
EAGLE PASS MUN.
CRYSTAL CITY
DIMMIT CO.
ASHERTON
CHUPADERA
LAREDO
206
116.1MC.
LAREDO
ALICE
224
ALICE
38
252
72
KENEDY
ALOE AAF
PAWNEE
ALOE No.10
TRAVLAND
NAAS. CHASE
ROOKE
LAKE MATHIS
FOSTER
ARCOLA
PALACIOS
PALACIOS
350
TANNER
INDIANOLA
MATAGORDA PENINSULA
MATAGORDA IS
AUSTWELL
ROCKPORT
D.A.
CORPUS CHRISTI
382
116.1MC.
C.A.
OLF No. 25
NAAS KINGSVILLE (NORTH)
KINGSVILLE
KINGSVILLE
VARIATION 10°E TO 9°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN SAN ANTONIO FLIGHT ADVISORY AREA
CORPUS CHRISTI
COMMUNITY
SINTON
WORSHAM
CORPUS CHRISTI
382
116.1MC.
CLIFF MAUS
278KC. 118.3MC.
NAAS. CABANISS
142.74MC
NAAS. RODD
142.74MC.
NAAS WALDRON
OLF No.10
OLF No 11
OLF No 41
NAS. CORPUS CHRISTI
248KC. 142.74MC.
NAS. CORPUS CHRISTI
287.0KC. 142.74MC.
(SEAPLANE)
NAS. CORPUS CHRISTI
248
HUNT
CUDDIHY
GREGORY
BROWNSVILLE
RAYMONDVILLE
FOX
MOORE No 1
COMMERCIAL
ELSA
KAHLER
MID VALLEY
CENTRAL VALLEY
HARLINGEN MUN.
HARLINGEN COM
SAN BENITO
LOS FRESNOS
MERCEDES
30
MAULDIN
PORT ISABEL
LOS FRESNOS
9
MOORE No. 3
MOORE
McALLEN
MERCEDES
30
LOS FRESNOS
9
BROWNSVILLE
388
116.1MC.
BROWNSVILLE
388
116.1MC
INTERNATIONAL
278KC 118.7
126.18MC
TEX. MEX.
SCALE OF MILES
SCALE OF MILES
STATUTE MILES
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
CORPUS CHRISTI 123

SAN ANTONIO

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	MRLZ-DTV	(3);116.1,122.1(Tex.)
AUSTIN Range (Robert Mueller) (Tex)	281(XN)(116.1)	117°,1.8	SBMRLZ-DTV	(3); 116.1, 122.1
Bandera (Tex)	1.7 SE;riv N	1250	27 S6	80 ,91 oct.P-line ENE
Belton (Tex)	1.6 WSW;hwy N	511	21 S1	73, 80 oct. No sto.
BERGSTROM Tower (Tex)	396 (126.18)+		CA	(4); 126.18
(A) Bergstrom (Austin,Tex)(A)	7.5 SE;riv NE	515	65h L5 S6	73,100 oct. JP-1.
→ Blackland #1 (Waco, Tex)	11 WSW;RR S	575	55h	
(A) Bryan AAF (Tex) (A)	7 SSW;riv SSW	264	55h	TMP INACT.NO FACS
Burnet (Tex)	2 NE;RR W	1325	21 S1	80 oct.P-line SW.
Cameron Arpk (Tex)	1.7 N;RR W.	402	29	Bldg NNE. Hwy W.
(A) Camp Hood Landing Field (Killeen, Tex) (A)	2 NE	920	36	CLOSED.
Coulter (Bryan, Tex)	4 NE;hwy NW	360	22 S6	80 oct. 5' fence SW.
Cuero (Tex)	3.1 N;RR SE	195	53 L S4	80,91 oct. Port lgts prior req.
Curtis (Brady, Tex)	3 N;hwy SE	1830	42 S1	Ltd fuel
(P) Draughon-Miller (Temple, Tex)	5.5 NW;rd SW	675	54h L5 S1	80,91 oct. No flood lgts. Ctc lgts on req.
(P) Easterwood (College Station, Tex)	2.8 SW	320	52h S6	80 oct.
→ Eden (Tex)	1 NW;hwy E			ABANDONED
Edgerton (Cuero, Tex)	2.9 E;hwy SW	185	1956	80 oct.
→ Edna (Tex)				ABANDONED
Foster #4 (Victoria,Tex)	12.5 NNW	186	56h	lgts prior req
→ Garner (Uvalde, Tex)	2.7 E;hwy NW	930	17h L S6	80,91 oct. Port rnwy
Georgetown (Tex)	3.3 N;hwy E	789	41h L5 S4	80, 91 oct.
Groesbeck (Tex)	1.5 E;hwy S	477	21 S1	73 oct.
Haile (Austin, Tex)	4.1 NE;RR NE	725	23 S6	80,91 oct.P-line E.
* Hammond Int,16,GS-WC	2.5 SSE;RR W	393	30 L3	(Tex) SE.
Hearne (Tex)	0.8 SE;RR E	305	22 S1	80 oct.P-lines NE,E,
Hefner (El Campo, Tex)	1.5 WSW;RR SE	104	21 L S2	80 oct. Port rnwy lgts. P-line S,SE.
(A) Hondo AAF (Tex) (A)	2.1 NW;RR S	929	61h	CLOSED.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio, Tex) (A)	6.8 SW;RR NE	675	75h L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEAR.ST
Killeen (Tex)	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
Lampasas Co.(Lampasas)	6 NW;RR S	1480	42 S2	80 oct. (Tex)
Llano Co. (Llano, Tex)	2.4 NNE	1029	40 S1	73 oct. Riv NE.
Louise (Tex)	1.6 E;RR W	120	24 S1	Ltd 80 oct.P-line N,S.
(P) Louis Schreiner (Kerrville, Tex)	See Kerrville Airport under "New Facilities"-name changed			
Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
Newland (Waco, Tex)	4.5 SSE	410	25 S6	80, 91 oct. RR NE.
RANDOLPH Army Range (San Antonio)(Tex)	359 (DRQ)	322°, 2.04	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio, Tex) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riesel (Waco, Tex)	10.5 SE	371	51	
ROBERT MUELLER Tower (Austin) (Tex)	272 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)
[Robert Mueller] (Austin, Tex)	3.5 NE;RR SW	620	46h L5 S6	80,91 oct. 100 oct for Army.
→ St. Edwards (Austin, Tex)	3.5 S			ABANDONED.
SAN ANTONIO RANGE (Kelly) (Tex)	254(ZN)(116.1)	107°, 1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO Tower (Tex)	278 (118.5)		C (ILS)	(4); 118.5, 122.5, 126.18
[San Antonio Mun.-Alamo] (Tex)	7.8 N;RR SE	800	55h L6 S2	80,91 oct.
SAN MARCOS Army Range	266 (DMS)	170°,4.2	MRLZ	V(6-18 Mon-Fri)
SAN MARCOS AAF Tower	317		CA	(3) (6-18 Mon thru Fri)
(A) San Marcos AAF (Tex)(A)	5 E;riv 1.4 W	596	65h L5 S1	73,91 oct.
* San Marcos Int, 31B, → JI-FV (Tex)	See Thompson under "New Facilities"-name changed.			
Schulenburg (Tex)	2.2 N;hwy W	344	20 S4	73 oct. P-line W.
Scott (Gatesville, Tex)	1.8 E;hwy N	780	25 S1	80 oct.P-line NW.
Stephens (Marlin, Tex)	2 ESE;RR N, SSW	318	19 S2	80 oct.Cattle on fld. Pole W.
Taylor (Tex)	2.2 WNW;RR S	520	24 S4	73 oct.
White (Brady, Tex)	10 W;RR N	1550	73	
Woodson (Temple, Tex)	2 NNW;hwy SW	763	28h S4	80 oct.
YOAKUM H Fac (Int.)(Tex)	236 (YK)	352°, 2.8	HW	
* Yoakum Int,7,JR-HU(Tex)	5 NW;hwy S	387	39 L3	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

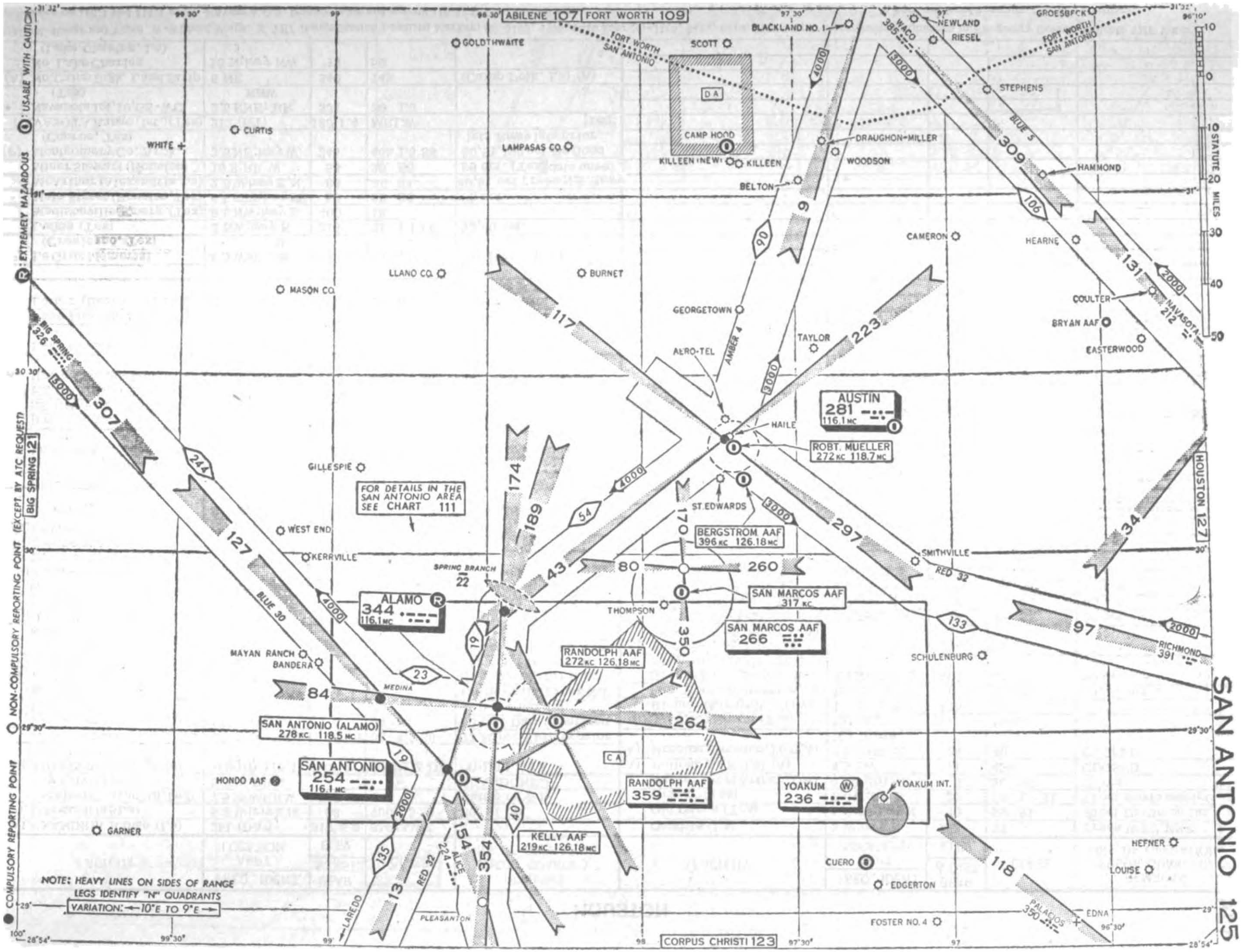
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ ALAMO	109.9	333.8	30°	IM-	MM- •—•—• (0.68)	OM- — — (4.38)
					MMK-	OMK-230 •— — —
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Edna (Tex,	2 ESE,hwy S		20 S1	73 oct. Use strips only. Data unver.
Killeen-new (Tex)	1.6SE;RR,hwy N	833	25 S1	80 oct.
Smithville (Tex)	2.5 SE;lake NW	324	18 S1	80 oct. P-line ENE SW.
(P) Kerrville (Tex)	5.8 SE;RR SW	1590	44h L5 S6	80,91oct.No f-lgts.P-line
Mayan Ranch(Bandera,Tex)	0.7 W;riv N	1230	25 S2	80 oct.Trees NNE,SSE,NW.
→ St Edwards(Austin,Tex)	4 S;RR N	700	23 S4	80 oct
→ Aero-Tel(Austin,Tex)	7.5 N;plant 1 N	720	22 S6	80 oct.Trees SSE,W.
→ Faust(New Braunfels,Tex)	2.5 NE;RR NW	720	44 S4	80 oct.P-line SW,NW.
→ West End(Kerrville,Tex)	1.9 NW;hwy SW	1645	20 S6	80 oct P-line SE,SSE.
→ Gillespie(Fredericksb'g)	3.1 SW;hwy SE	1742	42 S3	80 oct. (Tex)
→ Thompson Site 31B,JI-FV (San Marcos,Tex.)	2 SE;riv NE	577	29 L3 S6	80,91 oct.Trees NE,ESE, SW.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.88, 140.66 mcs. h-hard surfaced runways. R-radio facilities.

L-lighting facilities. S-servicing (see page XIII)→ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ABILENE 107
FORT WORTH 109
SAN ANTONIO 125
CORPUS CHRISTI 123
HOUSTON 127
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
GOLDTHWAITE
SCOTT
BLACKLAND NO. 1
NEWLAND
RIESEL
GROESBECK
WACO
FORT WORTH SAN ANTONIO
CAMP HOOD
DA
STEPHENS
DRAUGHON-MILLER
WOODSON
HAMMOND
WHITE
CURTIS
LAMPASAS CO.
KILLEEN (NEW)
KILLEEN
BELTON
CAMERON
HEARNE
COULTER
BRYAN AAF
EASTERWOOD
NAVASOTA
MASON CO.
LLANO CO.
BURNET
GEORGETOWN
TAYLOR
ALRO-TEL
AMBER 4
AUSTIN
281
116.1 MC
HAILE
ROBT. MUELLER
272 KC 118.7 MC
GILLESPIE
FOR DETAILS IN THE SAN ANTONIO AREA SEE CHART 111
WEST END
KERRVILLE
SPRING BRANCH
ST. EDWARDS
BERGSTROM AAF
396 KC 126.18 MC
SMITHVILLE
ALAMO
344
116.1 MC
SAN MARCOS AAF
317 KC
THOMPSON
SAN MARCOS AAF
266
RANDOLPH AAF
272 KC 126.18 MC
MAYAN RANCH
BANDERA
MEDINA
SCHULENBURG
RICHMOND
391
SAN ANTONIO (ALAMO)
278 KC 118.5 MC
SAN ANTONIO
254
116.1 MC
HONDO AAF
CA
RANDOLPH AAF
359
YOAKUM
236
YOAKUM INT.
KELLY AAF
219 KC 126.18 MC
GARNER
CUERO
EDGERTON
HEFNER
LOUISE
EDNA
FOSTER NO. 4
PLEASANTON
LAREDO
ALICE
PALACIOS
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 10°E TO 9°E
BIG SPRING 121
BIG SPRING
307
326
244
127
BLUE 30
84
23
19
61
135
13
RED 32
154
224
354
40
189
174
17
54
43
80
260
350
170
22
21
117
90
9
4000
3000
2000
309
BLUE 5
106
131
212
223
297
34
133
97
118
350
10
20
30
40
50
28°54'
29°
29°30'
30°
30°30'
31°
31°32'
96°10'
96°30'
97°
97°30'
98°
98°30'
99°
99°30'
100°

HOUSTON

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALEXANDRIA Range (La)	251 (DAI)	310°,5.7	SMRAWZ	
(P) Alexandria (La)	5.5 W;riv 2 N	88	70h L5 S1	80, 91 oct.
Angelina Co. (Lufkin, Tex)	7.5 SSW;RR W	288	42	Cattle on fld.
→ Bay City (Tex)	2 SSW;RR N			ABANDONED
BEAUMONT Range (Jefferson Co) (Tex)	368 (JU) (116.1)	160°,3.7	BMRLZ-DTV	(4);116.1,122.1
Beaumont (Tex)	6.8 W;bet RRs	28	34 L3 S6	73,80 oct. Fld lgts prior
Brazosport (Velasco, Tex)	1 N;hwy SW	6	24 S1	80 oct. Data unver. req.
Damon (Tex)	3 ESE;hwy WSW	60	22	4' fence sur fld.
De Quincy (La)	1.5 SW;RR NW	78	24	Cattle on fld. Trees N,E.
(P) De Ridder (La)	3.5 WSW;RR S	203	45h	Lgts on req to Ellington
(A) Ellington (Houston, Tex) (A)	15 SE;RR W	39	52h L5 S1	100 oct. Airways or
(A) Erwin-Newman (Houston, Tex)	5 SSW;hwy N	50	28 S6	80 oct. Houston Arpt.
Eunice (La)	1.7 W;hwy N	45	35 S2	80 oct.
GALVESTON Range (Tex)	263 (GS) (116.1)	125°,4.2	SBMRLZ-DTV	(4);116.1,122.1
Galveston (Tex)	3.5 WSW;gulf S	7	60h S6	80,91 oct.
Gulf Coast (Texas City, Tex)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct. No sto. P-line
HITCHCOCK Tower (Tex)	3295		CN	3105,6390 (days) N.
(N) Hitchcock NAF (LTA) (N)	2.3 SW;RR ENE	20	20h	(Tex)
HOUSTON Range (Tex)	322 (HU) (116.1)	309°,2.2	SBRAZ-DTV	(3);116.1,122.1
HOUSTON Tower (Tex)	(278) (126.18,118.5)		AC (ILS)	(4);118.5,126.18,122.5
Houston (Tex)	9 SSE;hwy W	50	47h L6 S6	73,80,91,100 oct.
Humphrey (Goose Creek)	4 NNE;RR E	34	24	P-line NW,W. (Tex)
Jackson (Cypress, Tex)	4 SE;hwy S	145	25 S6	80 oct.
(P) Jefferson Co. (Beaumont, Tex)	9.8 SSE;hwy NE	15	51h L5	Rnwy ctc lgts on req.
Jennings (La)	1.4 NNW;RR SW	20	32 S6	80,91 oct. P-line E.
LAKE CHARLES MUN Range	242 (LC) (116.1)	340°,2.5	SBRAZ-DTV	(4);116.1,122.1
→ LAKE CHARLES Tower (La)				DECOMMISSIONED
(A) [Lake Charles Mun.] (La)	4 ESE;RR NE	17	63h L5 S6	80,91 oct.;73,100 oct, JP-1 for Army.
→ Lake Charles (La)	5.2 SSW;hwy N			ABANDONED.
→ Lake Jackson (Freeport)	9.5 NW;hwy E			ABANDONED
Lamar (Beaumont, Tex)	4 SE;riv NE	17	22 S4	80 oct. No sto. P-line N,S.
(P) Le Gros Memorial (Crowley, La)	6.5 WSW;RR N	16	43h L5	Ctc lgts prior req.
Lufkin (Tex)	2 NW;hwy N	315	31 L1 S6	73,80 oct.
Madisonville Emerg. (Tex)	0.8 NW;hwy E	400	18	
Main Street (Houston, Tex)	6.5 SSW;hwy SE	50	22 S6	80 oct.
McArthur (Alexandria, La)	2.8 W;hwy E,N	86	26 S4	80,91 oct. Trees N,S. Rnwy
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct. (Tex) data unver.
(P) Montgomery Co. Arpk. (Conroe, Tex)	3.5 NE;hwy W	245	46h L5 S6	80,91,100 oct. No flood lgts. Rnwy lgts prior
NAVASOTA Range (Int.) (Tex)	212 (NT)	180°,1.4	MRLW	req.
* Navasota Int, 10, GS-WC (Tex)	2.5 ENE; RR NNW	331	30 L3	
(A) No. Camp Polk Land Strip	6 NE	340	14h	(Camp Polk, La) (A)
No. Lake Charles (Lake Charles, La)	10 N;hwy NW	17	50	
Oakdale (La)	3 W;hwy N	123	27	Trees WSW,ENE.
Old Ocean (Tex)	1 ENE;hwy N	60	35 S1	80 oct. Cattle on fld.
Orange (Tex)	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur, Tex)	4 NW;RR NE	6	34 S6	80 oct.
(A) Pollock AAF (La) (A)	4.5 SW	211	45h	CLOSED.
(A) Preston (Houston, Tex) (A)	2.5 WNW of La Porte	34	40	CLOSED.
RICHMOND Range (Tex)	391 (UT)		MRLW	
Richter (Kirbyville, Tex)	1.5 S;RR E	175	16	
Sam Houston (Houston, Tex)	10.5 SW;RR S	60	30 S6	73, 80 oct.
Sam Houston State College (Huntsville, Tex)	2.5 NW;RR E	401	24 S2	80 oct.
(A) So. Camp Polk Landing Strip (Camp Polk, La) (A)	Adj E	300	21h	
Sky Harbor (Anahuac, Tex)	0.3 S;hwy N	24	22 S1	80 oct.
Skyport (Houston, Tex)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston, Tex)	6 ENE;RR N	60	30 S4	80 oct.
Tri-Cities (Goose Creek, Tex)	2.6 N;RR E	25	24 S2	80 oct. P-line SE.
(P) Wharton (Tex)	1.8 ENE;RR N	100	45 S2	80 oct.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
HOUSTON	109.9		35°	IM-	MM-•—•—(0.66)	OM- ——(4.78)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

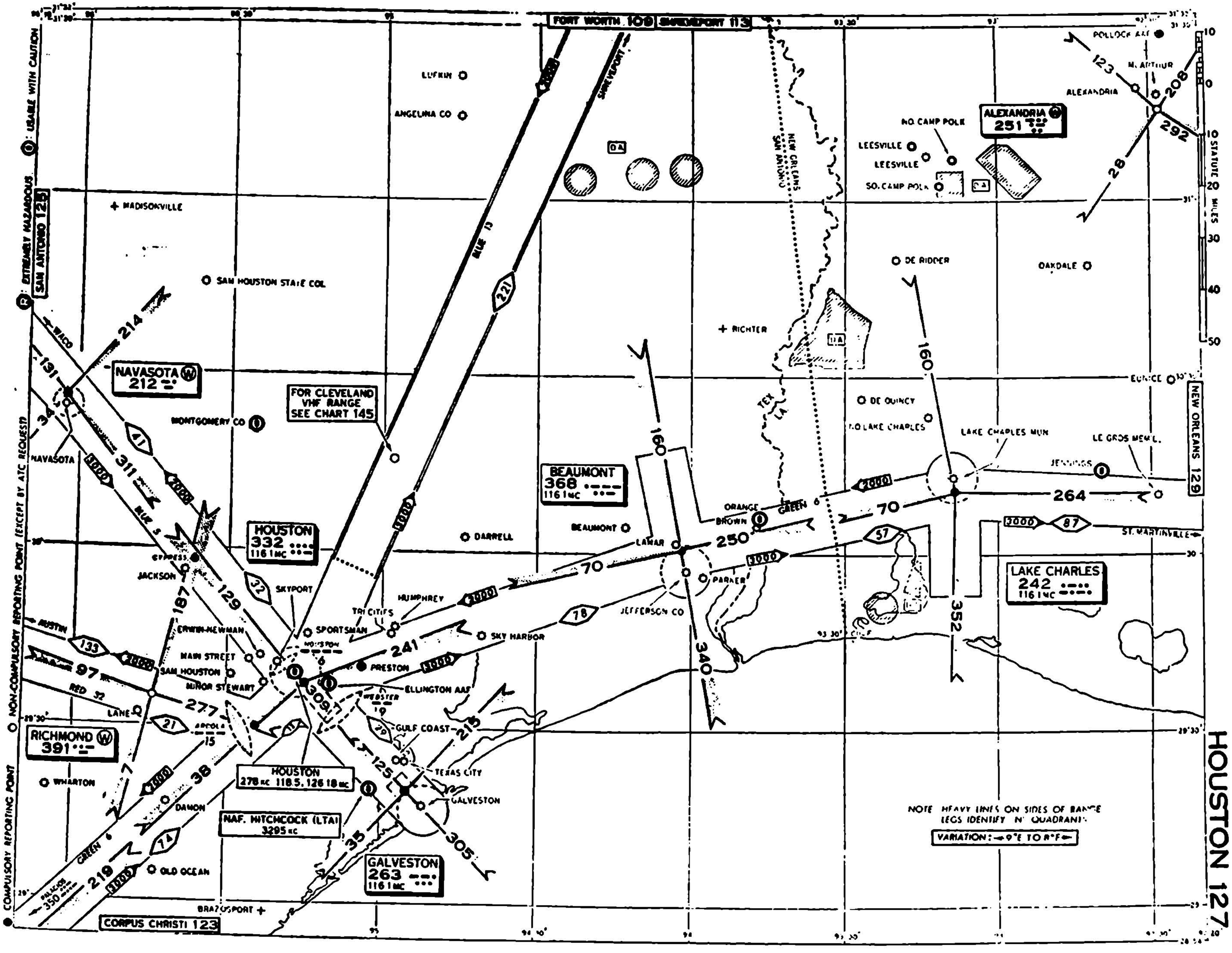
NEW FACILITIES

CLEVELAND Range (Tex)	109.1 (CL)		VARW	
Brown (Orange, Tex)	3.6 WSW;hwy SE	20	47 S4	80,91 oct. No sto. P-line SE.
Darrell (Liberty, Tex)	4.3 ESE;RR, hwy N	30	29 S1	80 oct. P-line N
Lane (Rosenburg, Tex)	2.5 SE	106	25 S2	80,91 oct. NNW.
Texas City (Tex)	1.8 NNW	8	34 S4	80.91 oct. P-line NE.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities.

L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


FORT WORTH 100
SHREVEPORT 113
LUFKIN
ANGELINA CO
MADISONVILLE
SAM HOUSTON STATE COL
SAN ANTONIO 125
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NAVASOTA
212
FOR CLEVELAND VHF RANGE SEE CHART 145
MONTGOMERY CO
HOUSTON
332
116.1 MC
BEAUMONT
368
116.1 MC
RICHMOND
391
HOUSTON
278 MC 118.5, 126.1 8 MC
NAF. HITCHCOCK (LTAI)
3295 FT
GALVESTON
263
116.1 MC
CORPUS CHRISTI 123
ALEXANDRIA
251
LEESVILLE
NO CAMP POLK
SO. CAMP POLK
DE RIDDER
OAKDALE
RICHTER
EUNICE
DE QUINCY
NO LAKE CHARLES
LAKE CHARLES MUN
LE GROS MEML.
JENNINGS
LAKE CHARLES
242
116.1 MC
ST. MARTINVILLE
BEAUMONT
DARRELL
ORANGE
BROWN
GREEN
LAMAR
PARKER
JEFFERSON CO
SKY HARBOR
SPORTSMAN
SKYPORT
TRI CITIES
HUMPHREY
PRESTON
ELLINGTON AAF
WEBSTER
GULF COAST
TEXAS CITY
GALVESTON
JACKSON
EXPRESS
ERWIN-NEWMAN
MAIN STREET
SAM HOUSTON
MIRIAM STEWART
LANE
ARCOLA
WHARTON
DAMON
OLD OCEAN
BRAZOSPORT
AUSTIN
WACO
NEW ORLEANS SAN ANTONIO
TEX LA
SHREVEPORT
BLUE 5
BLUE 15
RED 32
GREEN
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANT
VARIATION: 9°E TO 8°E
STATUTE MILES
HOUSTON 127

NEW ORLEANS

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(N) Alvin Callender (New Orleans, La)	9 SSE;RR E	4	50h L5 S4	73,80,91 oct.
→ BATON ROUGE Range (La) (Harding)	347 (RX)	119°,3.4	MRLWZ	
Bogalusa (La)	2.4 N;RR E	100	35 S6	80,91 oct. No sto. Poles S.
→ Chapman (New Orleans, La)	8.5 NE;lake N			ABANDONED
★ Covington Int,3,NO-LS (La)	6 NNE;hwy W	77	27 L3	Pole line W.
★ Donaldsonville Int, 26, HU-NO (La)	3 ENE;hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge, La)	4 E;hwy N,E	56	31 S4	80,91 oct. P-line S.
→ Ellisville (Miss)	1.3 SW	240	18 S4	80 oct. Trees all appchs.
(A) Esler (Alexandria, La) (A)	11 NE;Bayou S	108	45h	CLOSED
→ False River (New Roads, La)	1.6 WSW;lake S	30	30 S1	80 oct.
Ferriday (La)	1.5 N;RR,hwy E	55	17	
Girard (Lafayette, La)	2.5 NW;hwy E	39	26 S6	80,87 oct. Obsts sur fld.
→ Glendale (Hattiesburg, Miss)	5 NNW;hwy E	200	26 S4	80 oct. Trees sur fld.
Grand Isle (La)	2.6 NE;hwy NW	4	22	
→ Gulfport #1, (Miss)	3 NE;bayou N.	27	70h S4	80 oct.
→ Gulfport, Mun. #2 (Miss)	1.3 N;RR E	30	22	CLOSED
(P) Hammond	2 ENE;RR S	40	50h L5 S1	80,91 oct. Lgts prior req.
(P) [Harding] (Baton Rouge, La)	5.8 NNE	70	60h L5 S2	80,91,100 oct.
(P) Harry P. Williams Memorial (Patterson, La)	2 WNW;hwy NW	9	32 L2 S4	80 oct. Trees NW.
(A) Hattiesburg AAF (Miss) (A)	5 SSE;RR SW, NE	145	43h	Poles W,NW. CLOSED
(N) Houma NAS (LTA)(La)(N)	3.1 ESE;RR NE	11	50h	NAVY TEMP INACT.
Iberia Parish (New Iberia, La)	5 NW;RR NE	27	40h L5 S6	73-91 oct.
→ Joseph H. Sharpe (Natchez, Miss)	See Sharpe Airport under "New Facilities" - name changed			
KEESLER Army Range (Miss)	221 (DOX)	210°,2.9	BMRLZ	(4); 4220
KEESLER Tower (Miss)	201 (126.18)		CA	(4); 4220
(A) Keesler (Biloxi,Miss)(A)	2 WNW;bay N	26	66h L5 S5	100 oct. Rdo rqrd ngts.
K-P (Covington, La)	1.6 NW;hwy adj	27	18 S2	80 oct. P-line E.
LAFAYETTE H Fac. (La)	227(UG)(116.1)		MHTV	(4);116.1,122.1 on req.
Lafayette (La)	1.5 SE;RR W	40	50h L5 S5	80 oct. P-line S. Fld lgts
→ Laurel (Miss)	3 SW;RR SE	231	55h L S6	80,91 oct. Lgts in emerg.
McComb (Miss)	1.3 NW;hwy E	460	27 L3 S6	80, 91 oct. No bcn. Lgts prior request. Obsts sur field. on fld.
→ McLaurin (Miss)	1 NNE;RR E	350	21 S4	80 oct. NE blkd. Cattle
→ Menefee (New Orleans,La)	See Meraux-Neunez Arpk under "New Facilities"-name changed.			

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
MOISANT Tower (La)	278 (118.3, 126.18)		C (ILS)	(4); 122.5,118.3,126.18
[Moisant International] (New Orleans, La)	11 W;riv S	3	70h L6 S4	91,100 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	
NEW ORLEANS Range (La) → (Moisant)	338(NO)(116.1)	271°,3.2	SBRAZ-DTV	(3);116.1,122.1
NEW ORLEANS Tower (La)	382 (126.18)		CA	(4); 126.18
(NG) New Orleans (La)	6.5 NNE;RR S	8	40h L5 S4	91,100 oct.; 80-100 oct, 1-ech main NG.
NEW ORLEANS NAS Tower	323 (142.74)		CN	(3); 142.74 (8-sunset)
(N) New Orleans NAS (La)(N)	4.6 N; on lake	7	34h S1	100 oct. Twr NE.
(P) Opelousas (La)	1.5 NE	35	18	Data unver.
→ Picayune (Miss)	2.3 NNE;hwy W	92	19 S4	80 oct. P-line W
Pike Burden (Baton Rouge, La)	5 SE	35	50 S1	80 oct. Data unver.
→ Texaco (New Iberia,La)	2.6 N;hwy W			ABANDONED
★ Tylertown Int,7,NO-LS (Miss)	6 SE;rd E	393	40 L3	
Ulmer (Brookhaven,Miss)	1.5 NNE;RR W	500	28 S4	73,80 oct. No sto. P-line W
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MOISANT	109.9	333.8	100°	IM- ·····(0.05)	MM- ·—·—(0.67)	OM- ——(3.92)
					MMK-	OMK-254 ·—·
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

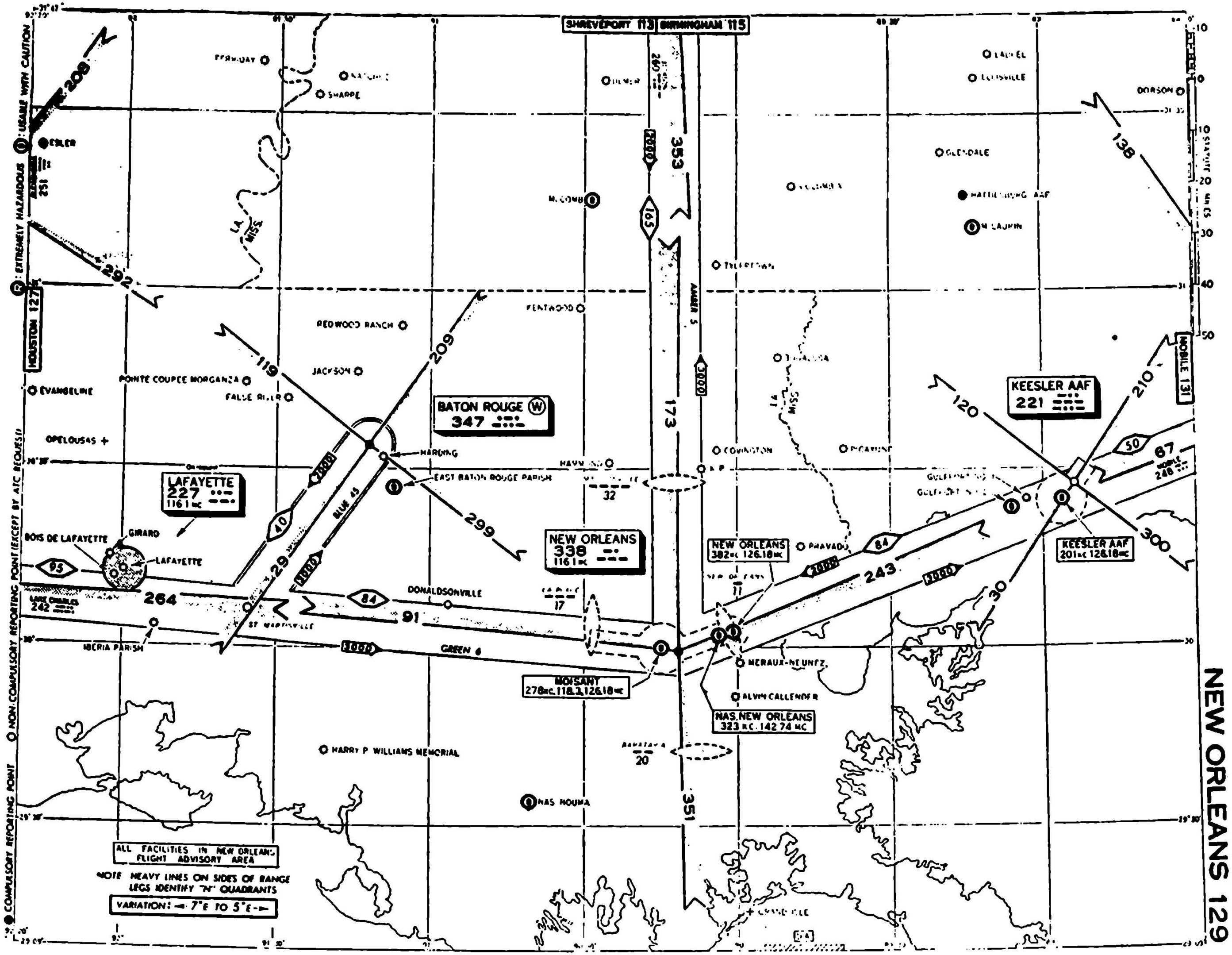
NEW FACILITIES

→ Pravado (Slidell,La)	1 W;hwy N	9	18 S1	80 oct
→ Kentwood (La)	0.4 N	100	15 S2	80 oct
→ Dobson (Bucatunna,Miss)	1 N;hwy W	185	22 S2	80 oct. Trees ENE,SSE.
→ Sharpe (Natchez,Miss)	1.8 ESE;RR S	27	26 S4	80 oct. N,W blkd NNW
→ Meraux-Neunez Arpk (New Orleans,La.)	5.2 E;riv S	1	25 S6	80 oct. P-lines S.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice

+ Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing (see page XIII

→ NEW OR REVISED DATA. (NC)-Not charted. [Jones] Airline Stop N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



NEW ORLEANS 129

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(A) Alliance #4 (Marianna,Fla)(A)	14 SE	215	50h	CLOSED.
→ Andalusia (Ala)	1.7 S;hwy W	340	18 S6	80 oct. P-line NW.
(A) Apalachicola AAF (Fla)(A)	2 W;RR N	19	53h	CLOSED.
* Atmore Int,16,NO-AG (Ala)	6 NW;at rd int.	287	31 L3	
(N) Bagdad OLF (Pensacola,Fla)(N)	14 NE;RR SE	111	18h	Use rnwys.
→BARIN NAAS (EAST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-East (Foley,Ala)	2.7 ESE	51	41h	CLOSED (N)
→BARIN NAAS (WEST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-West(Foley,Ala)	2.7 ESE	72	34h	CLOSED (N)
(A) Bascomb (Fla) (A)	3.5 NE	120	50h	CLOSED.
[Bates] (Mobile, Ala)	10 W;rd N,S	218	50h L5 S6	80,91 oct. No flood lgts; ctc lgts on req.
(P) Brewton (Ala)	3.5 S;riv N	92	40h	Cattle on fld.
→ Brewton (old)(Ala)	2.5 N;hwy E			ABANDONED
(N) Bronson NAAS (Pensacola,Fla)	12 WSW;bay W	27	44h	CLOSED (N)
BROOKLEY Tower (Mobile,Ala)	281 (126.18)+		CA	(4); 126.18
(A) Brookley (Mobile,Ala) (A)	3 SSW;RR NW	26	89h L5 S4	62,73,100 oct. JP-1.
(N) Canal OLF (Foley,Ala)(N)	8 S;rd W	16	36h	
Carabelle Flgt Strip (Fla)	2.6 W;hwy S	20	40h	NNW
→ Chastain's (Prichard, Ala)	2.5 NW;hwy E	50	19 S6	80 oct. SSE blkd, Trees SW,
Chipley (Fla)	1.5 SE;hwy N	100	24 S1	80 oct. Trees around fld.
(N) Choctaw OLF (Pensacola,Fla)	15 ENE	111	40h	(N)
City Air Park (Panama City)	2.5 N	40	26 S6	80,91 oct. Data unver. (Fla
CRESTVIEW Range (Fla)	350(HW)(116.1)	263°, 2.6	SBRAZ-DTV	(4); 116.1
Crestview, 21, NO-JX (Fla)	2.5 N;RR E	274	33 L2 S6	80 oct. No sto.
→ Davis (Mobile, Ala)	13.5 SW;bcn N	180	17 S6	80 oct. →
De Funiak Springs (Fla)	1 W;RR N	197	25 S1	80 oct. Pwr line N.
Donalsonville (Ga)	1 S	150	40h	
DOTHAN Range (Ala)	233(NI)(116.1)	47°, 3.7	SBRAZ-DTV	(4); 116.1
[Dothan] (Ala)	3 WNW;hwy SE	330	40h L5 S6	80,91 oct. No sto. No flood
EGLIN Army Range (Fla)	209 (DVQ)	175°, 3.6	MRLPZ	Range cont.; (3); lgts. 126.18 (6-24)
EGLIN Tower (Fla)	278 (126.18)+		CA	(3); 126.18 (6-24)
(A) Eglin (Valparíso,Fla)(A)	1.8 SW;hwy SE	71	80h (L5) S4	73,100 oct. JP-1. No sto.
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
Ellis (Marianna, Fla)	9.5 N;riv W	116	50h	
(N) Ellyson NAAS (Pensacola,Fla)	7.5 NNE;bay E	115	38h	CLOSED (N)
→ Enterprise (Ala)	0.5 N;hwy W	355	23 S6	80 oct, Trees WSW.
(N) Faircloth OLF (Lillian,Ala)(N)	3 NW;bay E	70	37	
Geneva (Ala)	2.4 NW;hwy S	88	23 S4	80 oct. RR S.
Gulf Airpark (Pensacola,Fla)	3 NW		17	Data unver.
↘ Headland (Ala)	2 NE;hwy N	350	48	
(N) Helm OLF (Pensacola,Fla)(N)	12 NW			ABANDONED.
(N) Holley OLF (Fla) (N)	1.5 S;riv N	37	36h	
→ Jackson Co. (Pascagoula,Miss)	3.5 ENE	16	45h L S6	80,91 oct. Ctc lgts prior req
(N) Kaisers Tract OLF (Elberta, Ala) (N)	3.3 ENE;hwy S	90	25	
Luverne (Ala)	1.7 NNW;hwy SW	300	20 S4	80 oct. P-line W,E blkd.
(N) Magnolia OLF (Foley,Ala)(N)	5.4 NW	83	29h	
(A) Malone #2 (Marianna,Fla)(A)	15.5 N	154	50h	CLOSED.
(P) Marianna (Fla)	6 NE;hwy E	112	50h L5 S4	80 oct. Fld lgts prior req.
(P) Middleton (Evergreen,Ala)	6 WSW;hwy N	258	40h L5	Fld lgts prior req.
(P) Milton "T" (Fla)	3.5 ENE;RR S	150	53 S3	80 oct.
MOBILE Range (Ala)(Brookley)	248(MS)(vhf)	138°, 3.2	SBRAZ-DTV	(3);116.1,122.1.
→ Napier (Dothan, Ala)	7.5 NW;RR S	397	45h	
(A) Ozark AAF (Ala) (A)	12 SSW	305	46h	TMP INACT. NO FACS.
Panama City (Fla)	5 NW;bay N,S,W	5	19 S6	80 oct.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
PENSACOLA Range (Fla)	326(KH)(116.1)	340°, 2.1	SBRAZ-DTV	(4); 116.1
(P) [Pensacola] (Fla)	4 NNE;bay E	121	50h L5 S4	80,91 oct.
Pensacola Arpk (Fla)	5 NNW;hwy E		28 S1	80 oct. Allway fld Data un-
PENSACOLA NAS-CHEVALIER Tower (Fla)	382 (142.74)		CN.	(4); 142.74 (sunrise- ver. 30 min. after sunset)
PENSACOLA NAS-CHEVALIER (Seaplane) Tower (Fla)	2870 (142.74)		CN	3105;142.74 (730-1630 except Sat,Sun,and holidays)
(N) Pensacola NAS-Chevalier(Fla)	5.3 SW;RR W	9	26h L S6	91 oct. Flood,obst lgts.(N)
PENSACOLA NAS-CORRY Tower	341 (142.74)		CN	3105; 142.74
(N) Pensacola NAS-Corry (Fla)(N)	5 WSW;hwy SE	32	43h L4 S6	91 oct. Obsts N,E,W.
(N) " OLF #1 (N) (Fla)	14 NW;riv 3W	100	46	ABANDONED.
(N) " OLF #5 (N)	10 NNW;RR W	115	57	ABANDONED.
(N) " OLF #6 (N)	10 NNW;RR E	110	48	ABANDONED
(N) " OLF #7 (N)	7 NW	103	37	ABANDONED.
(N) " OLF #8A (N)	13 NW	100	73	
(N) " OLF #9K (N)	11.5 NNW;RR E	110	50	ABANDONED.
(A) Reynoldsville (Ga) (A)	1.7 SSW	110	30h	CLOSED.
(N) Santa Rosa OLF (Milton,Fla)	6 E;rivs N,S,W	150	45h	(N)
SAUFLEY NAAS Tower (Fla)	275 (142.74)		CN (GCA)	3105,4495; 142.74
(N) Saufley NAAS (Pensacola,Fla)	8.5 WNW;bay SW	85	61h L5 S4	100 oct. NATS. (N)
(N) Silverhill OLF (Ala) (N)	3.5 WNW	129	30h	
Skyland (Panama City,Fla)	Within city W	12	20 S6	80 oct. No sto. P-line S.
→ Southern Airmotive (Dothan)	2 SE;hwy SW	322	27 S6	80 oct. Twr NW. (Ala)
(N) Spencer OLF (Pensacola,Fla)	15 NNE;bay S	145	18h	(N)
(N) Summerdale OLF (Ala) (N)	3.5 ENE;RR W			ABANDONED.
TYNDALL Army Range (Fla)	203 (DKE)	313°, 2.8	MRLZ	(3); 126.18 (V, 6-24)
TYNDALL Tower (Fla)	272 (126.18)		CA	(3); 126.18 (6-24)
(A) Tyndall (Panama City,Fla)(A)	8 SE;Gulf SW	16	61h L5 S6	73,91,100 oct.
WHITING Navy Range (Fla)	524 (AWT)	130°, 3.2	MRLWZ	
WHITING NAS-NORTH Tower	269 (142.74)		CN	3105,4495; 142.74 (Fla)
(N) Whiting NAS-North (Milton,Fla)	6 N	200	60h (L6) S4	73,91,100 oct. (N)
→ WHITING NAS-SOUTH Tower				DECOMMISSIONED
(N) Whiting NAS-South (Milton,Fla)	5 N	178	60h	Use N Fld INACTIVE.(N)
(N) Wolf OLF (Josephine,Ala)(N)	1.5 N;bay E	54	30h	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

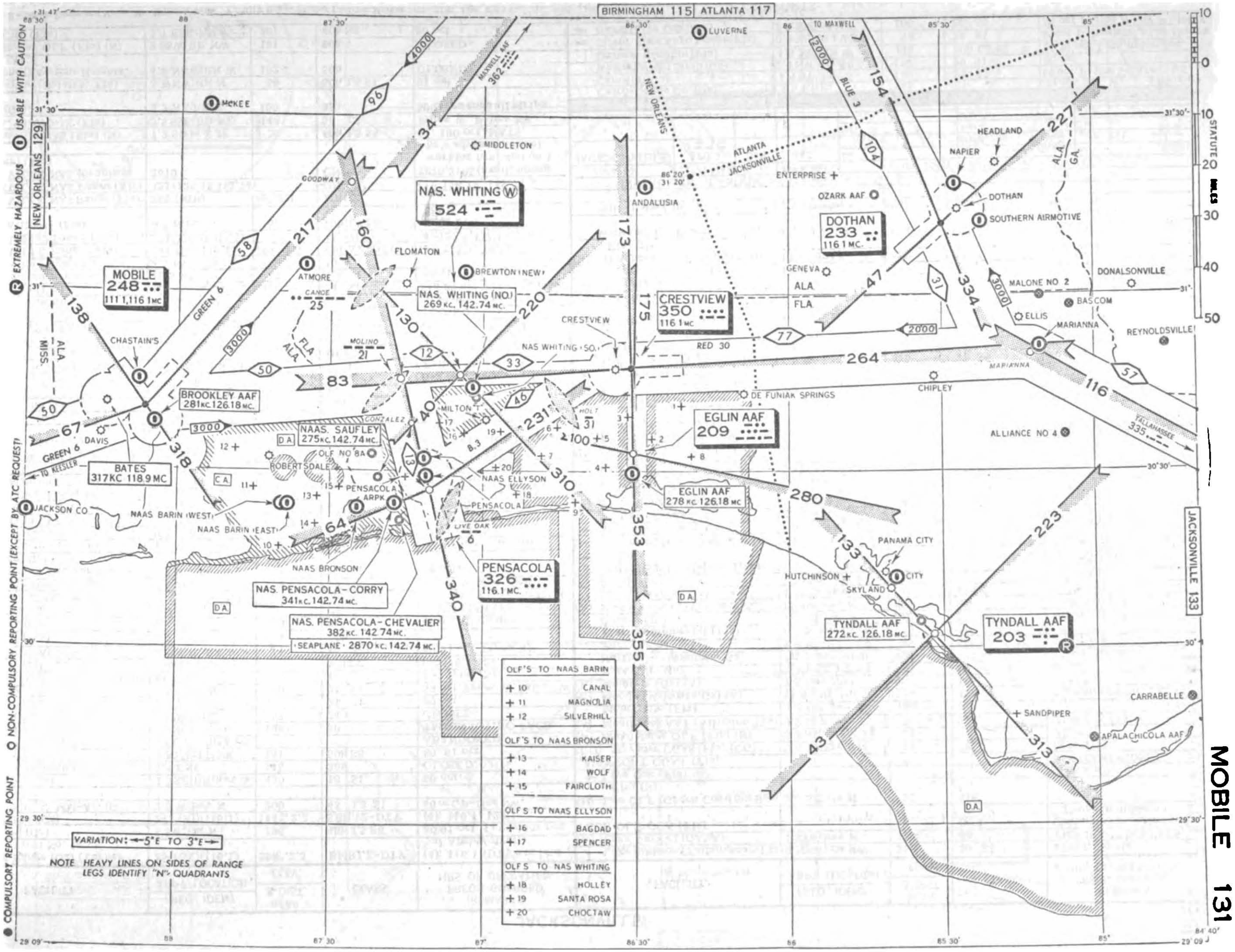
NEW FACILITIES

BATES tower(Ala)	317(118.9)		C	(4);118.9 prior req.
Flomaton (Ala)	2 NNE;RR 1 E	240	16 L S4	80 oct. P-line W. Strip lgts
→ Hutchinson's Avia. Port.	9 5 WNW	10	19 S1	80 oct. (Panama City,Fla)
→ Sandpiper (Port St. Joe,Fla)	1 E	20	22 S4	80 oct
→ Headland (Ala)	2 ENE;hwy NW	350	48 S1	80 oct.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

+Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XLII)

→ NEW OR REVISED DATA. (NC)-Not charted. [Jones] Airline Stop N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


BIRMINGHAM 115 ATLANTA 117
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
NEW ORLEANS 129
JACKSONVILLE 133
STATUTE MILES
LUVERNE
TO MAXWELL
McKEE
MIDDLETON
NAS. WHITING (W) 524
MAXWELL AAF 362
NEW ORLEANS
ATLANTA JACKSONVILLE
BLUE 3
ANDALUSIA
ENTERPRISE
OZARK AAF
HEADLAND
NAPIER
DOTHAN
SOUTHERN AIRMOTIVE
DOTHAN 233 116.1 MC.
GENEVA
ALA
FLA
DONALSONVILLE
MALONE NO. 2
BASCOM
ELLIS
MARIANNA
REYNOLDSVILLE
MOBILE 248 111.1,116.1 MC
ATMORE
CANOE 25
FLOMATON
BREWTON (NEW)
NAS. WHITING (NO.) 269 KC. 142.74 MC.
CRESTVIEW 350 116.1 MC
CRESTVIEW
NAS WHITING (SO.)
RED 30
CHASTAIN'S
MOLINO 21
MISS
ALA
GREEN 6
BROOKLEY AAF 281 KC. 126.18 MC.
DE FUNIAK SPRINGS
CHIPLEY
MARIANNA
EGLIN AAF 209
ALLIANCE NO 4
YALLAHASSEE 335
DAVIS
TO KEESLER
BATES 317 KC 118.9 MC
NAAS. SAUFLEY 275 KC. 142.74 MC.
GONZALEZ
MILTON
HOLT
OLF NO 8A
ROBERTSDALE
NAAS ELLYSON
PENSACOLA ARPK
PENSACOLA
LIVE OAK
EGLIN AAF 278 KC. 126.18 MC
JACKSON CO
NAAS BARIN (WEST)
NAAS BARIN (EAST)
NAAS BRONSON
NAS. PENSACOLA-CORRY 341 KC. 142.74 MC.
NAS. PENSACOLA-CHEVALIER 382 KC. 142.74 MC.
SEAPLANE 2870 KC. 142.74 MC.
PENSACOLA 326 116.1 MC.
PANAMA CITY
HUTCHINSON
SKYLAND
CITY
TYNDALL AAF 272 KC. 126.18 MC.
TYNDALL AAF 203
SANDPIPER
CARRABELLE
APALACHICOLA AAF
OLF'S TO NAAS BARIN
+10 CANAL
+11 MAGNOLIA
+12 SILVERHILL
OLF'S TO NAAS BRONSON
+13 KAISER
+14 WOLF
+15 FAIRCLOTH
OLF'S TO NAAS ELLYSON
+16 BAGDAD
+17 SPENCER
OLF'S TO NAS WHITING
+18 HOLLEY
+19 SANTA ROSA
+20 CHOCTAW
VARIATION: ←5°E TO 3°E→
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
DA
CA
MOBILE 131

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALBANY Range (Ga) (Turner Aux. Field No. 1)	254(GY)(116.1)	298°,2.3	BMRLZ-DTV	(4); 116.1 (DTV stn lctd at Albany Arpt).
→ Albany (Ga)	4 SW;RR N	196	49h L5 S6	80,91 oct. Lgts prior req.
ALMA Range (Ga)	242 (AJ)(116.1)	144°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
→ Alma, Site 43.MM-AG (Ga)	2.5 W;hwy N	200	43 L3 S1	80 oct. P-line NW.
Ashburn (Ga)	1.5 SE;RR,hwy W	430	18 S1	80 oct.
(A) Babcock (Boykin,Ga) (A)	3.5 ENE	145	30h	CLOSED.
Bainbridge (Ga)	7 NNW;RR NE	141	50h S6	80, 91 oct.
→ Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
(A) Bemiss #3 (Valdosta,Ga)(A)	12 NE;hwy SE	198	50	TMP INACT.NO FACS.
(N) Bostwick OLF (Fla) (N)	1 NW;RR E	53	34	CLOSED
Bowser (Baxley, Ga)	2.5 S;hwy W;RR N	205	21 S1	80 oct.
Bradenton (Fla)	0.5 S;RR NE	20	24 S1	80 oct. Trees W. Poles SW
(N) Branan OLF (Jacksonville, Fla)	14.5 SW	73	40h L	B-2 lgts. (N)
BRUNSWICK H Fac. (Ga)	230(BS)(116.1)		MHTV	(4);116.1,122.1
Brunswick Arpk (Ga)	2.5 NNE;RR W	14	26 S2	80,91 oct Trees NE
Bunnell (Fla)	3.3 E	34	50h	
Camilla (Ga)	1.4 NW.	180	21 S1	80 oct. Data unver.
CECIL NAAS Tower (Fla)	201 (142.74)		CN	3105;142.74 (Flying hrs)
(N) Cecil NAAS (Jacksonville, Fla)	16 WSW;hwy NW	80	50h L5 S4	100 oct. Trees sur fld. (N
Civil Air Patrol (Waycross, Ga)	2.6 WSW; RR N	140	22 S6	80 oct. W blkd. Soft
→ Commodore Decatur (Bainbridge, Ga)	2 WNW;hwy N	103	40h S1	80 oct.
→ Cook County (Adel, Ga)	1.3 W;hwy N,S	220	40h S6	80, 91 oct. SW blkd.
Craig (Jacksonville, Fla)	9 E;riv N	41	40h L5 S6	80,91 oct. No sto.
→ CROSS CITY (AAF) Range (Fla.)	269(FC)(116.1)	315°,2.7	SBMRAZ-DTV	(4); 116.1
(A) Cross City AAF (Fla) (A)	1 SE; RR SW	42	50h L5	CLOSED.
DALE MABRY Tower (Fla)	281 (118.3,126.18)		C	(4); 126.18,118.3,122.5
(P) Dale Mabry (Tallahassee, Fla)	3 W; RR S	70	52h L5 S4	80, 91 oct.
→ Darien (Ga)	0.8 SE;riv S	30	14 S1	Ltd 80 oct. Trees W.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) Daytona Beach (Fla) →	2.8 SW;hwy S	34	41h L5 S6	80,91 oct. Ctc & rnwy lgts on req.
→ Faceville (Ga)	3.5 S			ABANDONED.
(P) Fernandina (Fla)	4 S;ocean E	16	50h	
Fitzgerald (Ga)	2 SSW;RR W,E	365	24	
(N) Flemings Island OLF (N)	17.5 SSW	23	40h L	B-2 lgts. (Jacksonv'l, Fla)
Folkston Int, 37.MM-AG (Ga)	0.7 WNW;RR NE	82	20 L3	P-line NE,SW,NW
GLYNCO NAF Range (Ga)	520 (NEA)	239°,0.3	MRLZ	3105.6390(V- 0730-15)
GLYNCO NAF Tower (Ga)	317 (142.74)		CN	3105.4495;142.74(0730-16)
(N) Glynco NAF (LTA)(Ga)(N)	6.4 N Brunswick	25	38h L1 S4	91,100 oct. Hwy SE.
(A) Harris Neck AAF (Ga)(A)	7 E S, Newport	22	54h	CLOSED.
Hart (Jacksonville, Fla)	6.5 W;RR N	20	40 S6	80,91 oct. Trees sur fld.
Hawthorne (Fla)	1.2 SSE;RR W	120	24 S1	Ltd 80 oct. Trees S,W,NE.
→ Herlong (Jacksonville, Fla)	10.5 WSW	87	40h S4	80,91,100 oct, on req.
Homerville Flight Strip (Ga)	2.5 NW;hwy NE	185	40h	
JACKSONVILLE Range (Fla)	344 (JX)(116.1)	269°,1.7	SBRAZ-DTV	(3); 116.1, 122.1
JACKSONVILLE Tower (Fla)	278 (126.18,118.5)		AC (ILS)	(4);122.5,126.18,118.5
(P) Jacksonville #1 (Fla)	6.3 N;RR W	52	70h L6 S4	80,91 oct.
JACKSONVILLE NAS Range (Fla)	365 (NIP)	89°,3.1	MRLZ	
JACKSONVILLE NAS Tower (Fla)	323 (126.18,142.74)		CN	(3); 126.18, 142.74
JACKSONVILLE NAS (Seaplane Tower) (Fla)	2870		CN	2870,3105 (avail. during working hrs. and on 1 hr's advance notice).
(N) Jacksonville NAS (Fla) (N)	7.2 S;riv E,N	20	60h L5 S6	91, 100 oct. NATS.
Jasper, 43, NO-JX (Fla)	3.5 SSE;RR NE	148	36 L3	Poles W. P-line NE.
→ Jesup (Ga)	2.3 NE;RR E	100	23	50' trees ends all strips
(P) Kay Larkin (Palatka, Fla)	3 WNW;RR N	56	50h L5 S1	91 oct.
(A) Keystone (Keystone Heights, Fla) (A)	4.5 NNW;RR W	192	50h	CLOSED.
(N) Lake Butler OLF (Fla) (N)	2 SSW;RR NW	131	60h	CLOSED
→ Lake City (Fla)	3.7 ESE;RR S	201	60h S2	80 oct.
Lake Jackson (Tallahassee, Fla)	9 NNW;riv NW	250	30 S4	80 oct. No sto.
(A) Lake Park #2 (GA)(A)	1 SSW;hwy N	220	48	TMP INACT.NO FACS.
LEE OLF GCA (Fla)			GCA	Contact Navy Jacksonville Tower or Radio
(N) Lee OLF (Green Cove Springs, Fla) (N)	2.2 SE; riv N	22	51h	
→ Live Oak (Fla)				ABANDONED
MAYPORT CGAS (Fla)				DECOMMISSIONED.
(CG) Mayport CGAS (Fla) (CG)	0.6 NNE;riv N	19	43h	INACTIVE.
(N) Middleburg OLF (Fla) (N)	3 NNE;rds E,SE	34	32	CLOSED
(A) Montbrook AAF (Williston, Fla)	3.2 SSW;hwy E	70	70h	CLOSED. (A)
Monticello (Fla)	1.5 SW,hwy E	160	25	
(A) Moody (Valdosta,Ga) (A)	11.5 NNE;RR W	233	50h	TMP INACT.NO FACS.
(A) Moultrie (Ga) (A)	7 S;hwy NW	287	40h	CLOSED.
Nashville (Ga)	1.3 ENE,RR S	236	16 S6	80 oct.
Northside (Moultrie, Ga)	3.2 NNW;RR W	300	30 S4	80 oct. No sto.
Perry (Fla)	2 S;RR E	45	50h S2	80, 91 oct.
Pierson Memorial (Fla)	0.5 N;hwy, RR W	70	21	
Quincy (Fla)	1.5 NE;hwy S	212	35 S6	80 oct. SE,WSW blkd.
(A) Rocky Ford #1 (Valdosta,Ga)	16 SW;hwy N	220	50h	CLOSED. (A)
St. Augustine (Fla)	4 NNW;hwy W	10	42h S1	80, 91 oct.
St. Marys (Ga)	1.7 NNW;riv S	24	50h	Cattle on fld.
ST. SIMONS ISLAND NAS Tower → (Ga)				DECOMMISSIONED
(N) St. Simons Island NAS (Ga)(N)	6 E Brunswick	19	41h	Inactive. Trees NE,SW
→ Sky Haven (Albany, Ga)	1.5 SSW;hwy E	200	26 S4	80 oct P-line WNW.
Sawyer (Palatka, Fla)	2.6 S;RR SE	60	25	Trees N,E,S.
(P) South Georgia College (Douglas, Ga)	1.3 S;RR W	225	60 S6	Pwrline E.
Spence (Moultrie, Ga)	5 SE;hwy W	292	50h S6	80, 91 oct.
→ Stengel (Gainesville, Fla)	4 WSW;RR SE	70	47 S6	80, 91 oct.
(N) Switzerland OLF (Fla) (N)	1.5 SE	31	40h	CLOSED
TALLAHASSEE Rng (Dale Mabry)	335 (TJ)(116.1)	85°,2.7	SBRAZ-DTV	(3); 116.1, 122.1 (Fla)
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct. No flood lgts.
Tennile (Fla)	2.2 SSW;rd E	35	20	Trees SW.
(A) Thomasville AAF (Ga) (A)	8.5 ENE;hwy S	264	50h	CLOSED.
→ Thomasville com. (Ga)	1 SW;RR N	250	42 S2	80 oct. P-lines NW
Three "B" (Fitzgerald,Ga)	1.5 N	515	27 S6	80,91 oct.
Tifton Mun. (Ga)	2.3 SE;hwy W	343	50h L5 S6	80,91 oct. Lgts prior req
Tomoka (Daytona Beach, Fla)	7.8 NW	29	40h	
(A) Turner (Albany, Ga) (A)	3.8 ENE;riv N	215	76h	TMP INACT.NO FACS.
Vada (Ga)	1.5 WNW;hwy E	140	40h	CLOSED.
→ Valdosta (Ga)	3.7 S;RR W	226	56h L5 S1	80 oct. Lgts prior req.
(A) Waycross AAF (Ga) (A)	4 NW;hwy E	141	50h	CLOSED.
(N) Whitehouse OLF (Jacksonville, Fla) (N)	13 W; RR S	102	40h L	B-2 lgts.
Williams (Jacksonville, Fla)	3.3 WNW;RR E	25	31 S6	80 oct. No sto. P-line E. Data unver.
Witt (Lake City, Fla)	2 WSW;hwy S	200	36 S4	80 oct. No sto.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

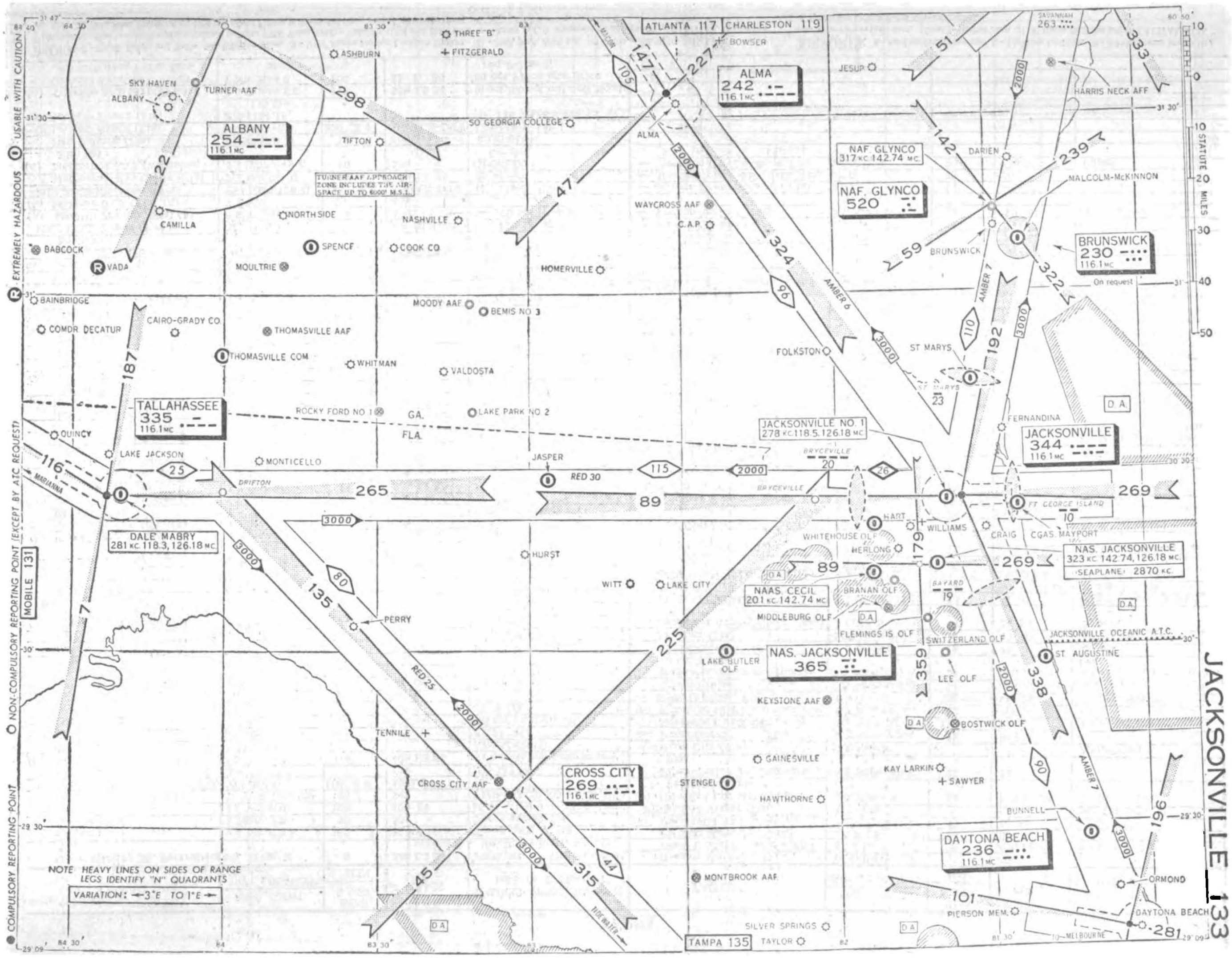
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
JACKSONVILLE	110.3 ·=·=	335	44°	IM-	MM- ·—·— (0.66)	OM- — — (4.60)	
					MMK-209 —·—·	OMK-251 —··—	
				IM-	MM- ·	OM-	
					MMK-	OMK-	

NEW FACILITIES

Cairo-Grady Co. (Ga)	3.3 ENE	245	21	Trees SW. W. Rough
Camilla (Ga)	1.4 NW;hwy S	180	21 S1	80 oct. P-line SW, trees NE.
Whitman Flgt Strip (Ga)	2.4 NW;pond 0.5 E	180	19 S1	80 oct.
Gainesville Mun (Fla)	4.5 NE;RR W	155	50h L5 S2	80,91 oct. Lgts prior req.
→ Silver Spgs Aero Lodge (Fla)	0.3 W;RR 1 WSW	75	26 S1	80oct P-lines SE,S Lgt planes only.
→ Hurst (Live Oak, Fla)	2.5 SW;rd NW	105	26 S6	80 oct P-line N,NW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on **116.1** and **111.1 mcs.** + - Army A.C.S. transmits on and guards 116.1, **127.65, 140.65 mcs.**
◆ **A.A.C.S.** Scheduled Broadcast on 4765 kcs. (First **Figure** is Scheduled **time, Second Alternate time)**

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ATLANTA 117 CHARLESTON 119
ALBANY 254 116.1 MC
ALMA 242 116.1 MC
BRUNSWICK 230 116.1 MC
TALLAHASSEE 335 116.1 MC
JACKSONVILLE 344 116.1 MC
CROSS CITY 269 116.1 MC
DAYTONA BEACH 236 116.1 MC
NAF GLYNCO 317 KC 142.74 MC
NAF GLYNCO 520
JACKSONVILLE NO. 1 278 KC 118.5, 126.18 MC
DALE MABRY 281 KC 118.3, 126.18 MC
NAS. JACKSONVILLE 323 KC 142.74, 126.18 MC (SEAPLANE) 287.0 KC
NAAS. CECIL 201 KC 142.74 MC
NAS. JACKSONVILLE 365
TAMPA 135
MOBILE 131
JACKSONVILLE 133
TURNER AAF APPROACH ZONE INCLUDES THE AIR-SPACE UP TO 6000' M.S.L.
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ←3°E TO 1°E→
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
SKY HAVEN
ALBANY
TURNER AAF
ASHBURN
THREE "B"
FITZGERALD
BOWSER
JESUP
SAVANNAH 263
HARRIS NECK AFF
SO GEORGIA COLLEGE
TIFTON
ALMA
DARIEN
MALCOLM-McKINNON
CAMILLA
NORTH SIDE
NASHVILLE
WAYCROSS AAF
C.A.P.
BRUNSWICK
BABCOCK
VADA
SPENCE
COOK CO
MOULTRIE
HOMERVILLE
BAINBRIDGE
MOODY AAF
BEMIS NO 3
COMDR DECATUR
CAIRO-GRADY CO.
THOMASVILLE AAF
THOMASVILLE COM
WHITMAN
VALDOSTA
FOLKSTON
ST MARYS
ROCKY FORD NO 1
GA.
FLA.
LAKE PARK NO 2
FERNANDINA
QUINCY
LAKE JACKSON
MONTICELLO
JASPER
BRYCEVILLE
MARIANNA
DRIFTON
RED 30
FT GEORGE ISLAND
HART
WILLIAMS
CRAIG
CGAS. MAYPORT
WHITEHOUSE OLF
HERLONG
HURST
WITT
LAKE CITY
BRANAN OLF
MIDDLEBURG OLF
FLEMINGS IS OLF
SWITZERLAND OLF
JACKSONVILLE OCEANIC A.T.C.
ST AUGUSTINE
LAKE BUTLER OLF
LEE OLF
KEYSTONE AAF
BOSTWICK OLF
PERRY
TENNILE
CROSS CITY AAF
GAINESVILLE
KAY LARKIN
SAWYER
STENGEL
HAWTHORNE
BUNNELL
MONTBROOK AAF
ORMOND
PIERSON MEM.
DAYTONA BEACH
SILVER SPRINGS
TAYLOR
MELBOURNE
RED 25
AMBER 6
AMBER 7
TIDE WATER
D.A.

TAMPA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(P) Albert Whitted (St. Petersburg Fla)	adj. E; bay E	6	33h L3 S6	80,91 oct. Coast Gd. Stn adj. Poles, stack NW, SW.
Altoona (Fla)	0.6 NW; RR E	155	25	Trees ends strips
Arcadia (Fla)	2 SE; hwy W	60	30	Trees around fld.
→ Avon Park (Fla)	1.5 W; RR E	156	40h S4	80,91 oct. P-line S; trees sur fld.
(A) Avon Park AAF (Fla) (A)	11 ENE; lake NW	65	54h	TMP INACT. NO FACS.
BANANA RIVER Navy Range (Fla)	524 (NPB)	106°, 4.6	MRLZ	(3)
BANANA RIVER NAS Tower (Fla)	224 (142.74)		CN	(3); 142.74
(N) Banana River NAS (Fla) (N)	11 SE Cocoa	9	40h L5 S6	91 oct. No bcn Lgts on req.
→ Barberville (Fla)	1 SE; bet RR & rd			ABANDONED
→ Bartow (Fla)	5.5 NE; RR NW	124	50h S4	80,91 oct.
→ Bradenton (Fla)	0.5 S; RR E.	20	24 S6	80 oct. Obst sur fld.
(A) Brooksville AAF (Fla) (A)	7.5 SW; hwy E	70	70h	CLOSED.
→ Bunnell (Fla)	3.5 E; lk SW	34	50h	
Cannon Mills (Orlando, Fla)	3.8 E; hwy N	105	41 S6	80 oct. No sto.
Carlstrom (Arcadia, Fla)	7 SSE; hwy N	56	53	
Cedar Keys (Fla)	1 W; bay S	6	25h	
Clearwater (Fla)	2.5 NE; hwy S	73	30 S6	80,91 oct. Trees W.
Cocoa (Fla)	1 N; RR E	20	26 L1	P-line E; trees S, W.
(A) Conners (Okeechobee, Fla) (A)	2.5 NW; RR S	34	50h	CLOSED.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°, 2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) Daytona Beach (Fla)	2.8 SW; hwy S	34	41h L5 S6	80, 91 oct.
Deland (Fla)	2.5 NNE; hwy S	80	60h L5 S1	87, 91 oct.
Dorr (Arcadia, Fla)	11.5 E; hwy N	74	53	
DREW Tower (Fla)	278 (126.18, 118.5)		AC	(4); 126.18, 118.5, 122.5 No bndry lgts.
(P) [Drew] (Tampa, Fla)	5 W; bay SW	26	70h L5 S6	80,91,100 oct. Rdo rec rqrd.
(A) Dunnellon AAF (Fla) (A)	4.5 E; hwy S	66	50h	CLOSED.
Ellenton (Fla)	1.5 NNW; RR N	18	15	P-line NE; trees SW.
→ (P) Fette Aircraft Service (Fla)	1.5 SSE	19	50h S6	80 oct.
Fort Pierce, com. (Fla)	3.3 SSE; RR E	18	26 L1 S6	80 oct. P-line W.
(P) Fort Pierce, mun. (Fla)	3.5 NW; hwy E	24	50h	
Frank D. Waterman (Eustis, Fla)	0.9 SSW; lake NNW	81	23 S1	80 oct. Poles SW, N, W.
Gilbert (Winter Haven, Fla)	3.5 NNW; RR N	135	40h S6	80, 91 oct.
Gray's (Leesburg, Fla)	5 N; RR, hwy W	130	27 S6	80 oct. Orange groves W.
Haines City (Fla)	1 NW	175	20 L1	
(P) Hendricks (Sebring, Fla)	6.5 ESE; RR N	62	50h	
Hidden Acres (Clarcona, Fla)	1.5 WNW; lake W	93	27 S5	80 oct. E blkd.
(A) Hillsborough AAF (Tampa, Fla)	7 NNE	67	50h	CLOSED (A)
Hoequist (Orlando, Fla)	3.8 SW; hwy E	90	20 S4	80 oct.
Honeymoon Island (Dunedin)	2.5 W		30	Data unver. (Fla)
Kerlin (Minneola, Fla)	0.5 NE	100	18 S2	80 oct.
(P) Kissimmee (Fla)	2 W; RR N	82	50h L5 S4	80 Oct. No bndry, flood lgts
(A) Lakeland AAF (Fla) (A)	4.5 SW; RR NE	142	50h	CLOSED.
[Lakeland Mun. #1] (Fla)	2.1 N; lake E	159	35h L5 S6	80,91 oct. Ctc lgts on prior req. till 2400.
Lake Wales (Fla)	2.3 WSW; RR N	125	40h L3 S6	80, 91 oct.
(A) Leesburg AAF (Fla) (A)	4 ENE; RR SE	67	50h	CLOSED.
Ludwig Sky Harbor (St. Petersburg, Fla)	See Sky Harbor Airport under "New Facilities" - name changed			
MAC DILL Tower (Fla)	227 (126.18)+		CA (ILS-W)	(3); 126.18. ➧00,20
(A) MacDill (Tampa, Fla) (A)	8 SSW; bay NE	9	100h L5 S6	73-100 oct. JP-1. No sto.
(N) Malabar OLF (Fla) (N)	7 WNW	27	40h	
MELBOURNE Range (Fla)	257 (OU)(116.1)	158°, 2.3	SBRAZ-DTV	(4); 116.1, 122.1
Melbourne-Eau Gallie (Fla)	2.2 NW; RR E	26	43h L5 S6	80,91 oct. Lgts on req.
(A) Montbrook AAF (Williston, Fla) (A)	3.2 SSW; hwy E	70	70h	CLOSED.
New Smyrna (Fla)	3 NNW; RR W	12	50h S6	80,91 oct.
→ ORLANDO Range (Fla)	206(OR)(vhf)	220°, 3.4	BMRLZ-DTV	(3); 116.1, 122.1
ORLANDO Tower (Fla)	278 (126.18, 118.7)+		C	(4); 118.7, 122.5, 126.18
(A) Orlando AAB (Arpt) (Fla)	2.5 E; lake SE	115	55h L5 S6	91 oct; 100 oct. mil. acft. No sto
Orlando Aviation Country Club (Winter Park, Fla)	1 NW; lake S	100	21 L S6	80 oct. Flood lgts prior req. P-line N.
Osceola (Sanford, Fla)	10 SSE; lake SE	25	40h	
Peter O. Knight (Tampa, Fla)	3.7 S; bay S, E, W	8	40h L5 S6	80,91 oct. Shipyard NE.
Pierson Memorial (Fla)	0.5 N; hwy, RR W	70	21	
(A) Pinecastle AAF (Fla) (A)	3 ESE; lake NW	95	100h	CLOSED.
PINELLAS Tower (Fla)	317 (118.3)		CI	(4); 122.5 (8-24)
(P) [Pinellas Co. Master] (St. Petersburg, Fla)	9.5 N; bay N	12	50h L5 S6	80,91,100 oct.
Piper-Fuller (St. Petersburg, Fla)	4.8 WNW; RR E	21	32	
→ Plant City (Fla)	3 E; hwy N			ABANDONED
→ Punta Gorda (Fla)	5 ESE; hwy SW	25	50h	
Robinson (Plant City, Fla)	1.5 WSW; RR E	110	21 S6	80,91 oct E, ESE Blkd
(N) Roseland OLF (Sebastian, Fla)	1.7 W; riv N, E	23	40h	(N)
→ Ryan (Apopka, Fla)	1 N; hwy E	104	25 S4	80 oct. Obst sur fld.
Sanford (Fla)	2.5 SE; lake N, S	57	60h L5 S6	80, 91 oct. Lgts on req.
(P) [Sarasota-Bradenton] (Sarasota, Fla)	3.5 NNW; hwy W	24	50h L5 S6	80,91 oct. Fld lgts prior req.
Sarasota, com. (Fla)	2.5 E; RR S	25	28 S1	80 oct.
Sebring (Fla)	4 SW; lake NE	200	20 S1	80 oct. Pwr line SW.
Showalter Arpk (Winter Park) (Fla)	1 E; RR S	91	24 S4	80 oct.
Skyland (Lakeland, Fla)	1.9 WNW; RR S	170	21 S6	80 oct. No sto. Trees S.
Skyport (Dunedin, Fla)	1.5 N; RR E	4	30 L2 S6	80 oct. No bcn. S Blkd.
TAMPA Range (Fla) (Peter O. Knight)	388(TM)(116.1)	55°, 2.7	SBRAZ-DTV	(4); 116.1, 122.1
(P) [Taylor] (Ocala, Fla)	1 SW; RR NE	72	40h L5 S6	80,91 oct. No flood lgts
(P) Titusville-Cocoa (Titusville)	6 S; RR E	35	50h L5 S6	80 oct. (Fla) Lgts prior req.
* Titusville Int, 20, MM-AG (Fla)	1.3 NW; RR E	28	26 L3	
Tomoka (Daytona Beach, Fla)	See Ormond under "New Facilities" - name changed.			
(N) Valkaria OLF (Melbourne, Fla) (N)	8 SSE; RR E	26	40h	
→ Venice, mun. (Fla)	0.5 SE; hwy W	20	36 S4	80 oct. Trees ENE, SE.
VERO BEACH H Fac. (Fla)	359(VB)(116.1)		MHTV	(4); 116.1
[Vero Beach] (Fla)	1 NW; RR E	24	75h S1.	91 oct, Airlines only exc in emerg
Wauchula (Fla)	2.1 E; riv W	120	21	Trees N, E, NE
Wimauma (Fla)	0.8 ESE; RR W	35	36	Cattle on fld. Bldg W.
(P) Witham (Stuart, Fla)	1.5 SE; RR SW	17	50h L S1	80,91 oct. Lgts prior req.
(P) Zephyrhills (Fla)	1.5 ESE; RR W	92	50h	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

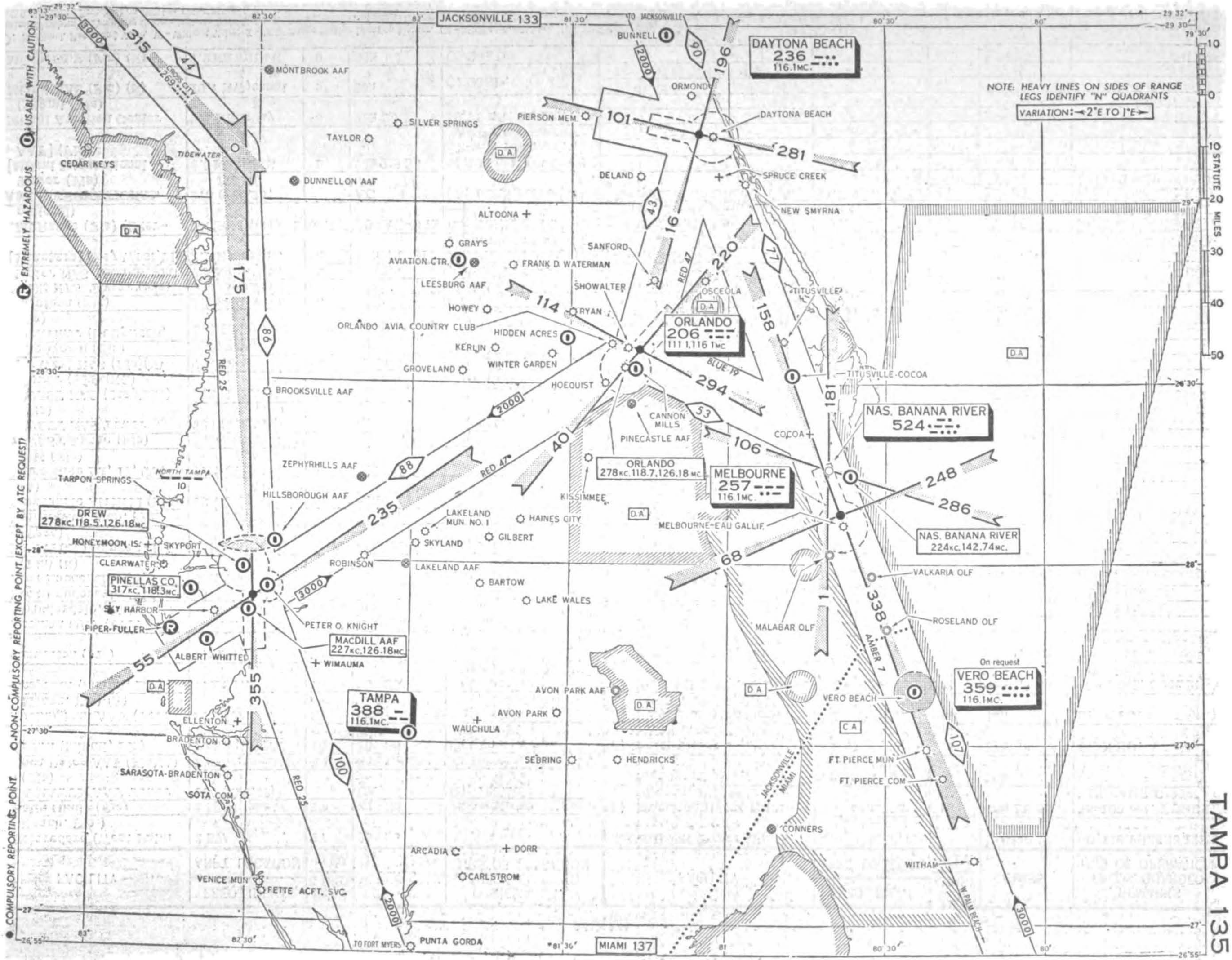
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MacDILL (A)	110.3	335	217°	IM- (0.07)	MM- ..... (1.09)	OM- --(5.03)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Leesburg Aviation Center (Fla)	1 N; hwy W, lake E.	175	15h S1	80 oct. Trees W. Use rnwys only. Data unver.
Ormond (Fla)	7.8 NW	25	40h	
Sky Harbor (St. Petersburg, Fla)	6 NE; bay E	8	28 S6	80 oct
→ Groveland (Fla)	1.8 SSE; lk NE	100	20 S3	80 oct
→ Winter Garden (Fla)	1.5 NW; lk NW	75	25 S2	80 oct
→ Tarpon Springs (Fla)	2 W; Gulf of Mex. W	12	19 S1	80 oct Trees N, E, S
→ Spruce Creek (Samsula, Fla)	3.5 N	24	40h	
→ Howey (Howey in the Hills, Fla)	0.5 S	75	20	
→ Aviation Ctr (Leesburg, Fla)	1.5 N; lk E	80	15h S6	80 oct

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
➧ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


JACKSONVILLE 133
TO JACKSONVILLE
BUNNELL
DAYTONA BEACH
236
116.1MC.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 1°E
ORMOND
DAYTONA BEACH
PIERSON MEM.
SILVER SPRINGS
TAYLOR
CEDAR KEYS
TIDEWATER
DUNNELLON AAF
DELAND
SPRUCE CREEK
NEW SMYRNA
ALTOONA
GRAYS
AVIATION CTR.
LEESBURG AAF
FRANK D. WATERMAN
SANFORD
SHOWALTER
OSCEOLA
TITUSVILLE
HOWEY
RYAN
ORLANDO AVIA. COUNTRY CLUB
HIDDEN ACRES
KERLIN
WINTER GARDEN
GROVELAND
ORLANDO
206
111 1,116 TMC
BLUE 19
HOEQUIST
TITUSVILLE-COCOA
BROOKSVILLE AAF
CANNON MILLS
PINECASTLE AAF
COCOA
NAS. BANANA RIVER
524
ZEPHYRHILLS AAF
TARPON SPRINGS
NORTH TAMPA
HILLSBOROUGH AAF
ORLANDO
278KC. 118.7. 126.18 MC.
KISSIMMEE
MELBOURNE
257
116.1MC.
DREW
278KC. 118.5. 126.18MC.
HONEYMOON IS.
SKYPORT
CLEARWATER
LAKELAND MUN. NO. 1
HAINES CITY
GILBERT
SKYLAND
MELBOURNE-EAU GALLIE
NAS. BANANA RIVER
224KC. 142.74MC.
ROBINSON
LAKELAND AAF
BARTOW
LAKE WALES
VALKARIA OLF
PINELLAS CO.
317KC. 118.3MC.
SKY HARBOR
PIPER-FULLER
PETER O. KNIGHT
MACDILL AAF
227KC. 126.18MC.
WIMAUMA
MALABAR OLF
ROSELAND OLF
ALBERT WHITTED
On request
VERO BEACH
359
116.1MC.
TAMPA
388
116.1MC.
AVON PARK AAF
AVON PARK
WAUCHULA
VERO BEACH
ELLENTON
BRADENTON
SEBRING
HENDRICKS
FT. PIERCE MUN.
FT. PIERCE COM.
SARASOTA-BRADENTON
SOTA COM.
JACKSONVILLE MIAMI
CONNERS
ARCADIA
DORR
CARLSTROM
WITHAM
VENICE MUN.
FETTE ACFT. SVC.
TO FORT MYERS
PUNTA GORDA
MIAMI 137
W. PALM BEACH
RED 25
RED 47
AMBER 1
D.A
C.A
U-USABLE WITH CAUTION
E-EXTREMELY HAZARDOUS
O-NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
●-COMPULSORY REPORTING POINT
STATUTE MILES
TAMPA 135

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Belevedere (West Palm Beach, Fla.)	2 SW	17	25 S5	
Belle Glade (Fla)	1 NNE;lake W	17	27 S6	73 oct.No sto.Lgt acft
BOCA RATON AAF Tower (Fla)	396 (126.18)		CA	(3); 126.18
(A) Boca Raton AAF (Fla)(A)	2 NNW;canal E	14	64h L5 S6	73,100 oct, CLOSED.
Brown (Miami, Fla)	10 SW;RR NW	10	20 S6	80,91 oct No sto. Trees E.
(A) Buckingham AAF (Fort Myers, Fla) (A)	10 E;riv SW	25	54h	CLOSED
Chapman (Miami, Fla)	11.5 SSW	3	40 S6	80,91 oct. No sto. Pwr line W. RR W
Clewiston (Fla)	1.6 SW;RR N	19	30 S6	80,91 oct. P-line N,E,S, W.
(N) Forman OLF (Fort Lauderdale, Fla)	See Ft. Lauderdale-Davie Arpt under "New Facilities" - name changed.			
Fort Lauderdale	See West Prospect Arpt under "New Facilities" - name changed.			
(N) Fort Lauderdale NAS (Fla) (N)	3.5 SSW;RR W	10	50h	CLOSED
FORT MYERS Range (Fla) (Page)	341(FM)(116.1)	38°,3.6	SBRAZ-DTV	(4); 116.1
(P) Homestead, mun. (Fla)	2 NE;rd N	8	28 S6	80 oct.
(A) Immokalee Airfield (Fla) (A)	1.3 ENE;RR W	20	50h	CLOSED
★ Immokalee Int, 13, TM-MM (Fla)	5.25 SE;RR SW	23	38 L2	
KEY WEST Range (Fla)	332(KW)(116.1)	70°,5.8	SBRAZ-DTV	(4); 116.1, 122.1
KEY WEST NAS Tower (Fla)	396 (142.74)		CN	(3); 142.74 (sunrise to sunset)
KEY WEST NAS (Seaplane) Tower (Fla) (NC)	272 (142.74)		CN	3105;142.74 (prior req.)
(N) Key West NAS (Fla)(N)	7 ENE	5	70h L5 S4	91,100 oct.No sto.
Lake Worth (Fla)	2 W;hwy N	12	28 S1	80 oct.
MacArthur (Hollywood, Fla)	See Hollywood under "New Facilities"-name changed.			
→ Marathon (Fla)	1.8 ENE;hwy S	6	100h	CLOSED.
MASTER NAS Tower (Fla)	382 (142.74)		CN	(3); 142.74 (7-sunset)
(N) Master NAS (Miami,Fla)	8 NNW;RR W	9	74h L5	Pwr line SE. (N)
→ [Meacham] (Key West,Fla)	2.3 E;ocean S	4	41h L5 S1	80,91 oct.ARPT ENTRY Lgts prior req. No bcn
MIAMI Range (Fla) (International)	365(MM)(vhf)	270°,2.3	SBRAZ-DTV	(3); 116.1, 122.1
MIAMI INTERNATIONAL Tower (Fla)	278 (126.18, 118.5)		AC	(4); 122.5,126.18,118.5
(A) [Miami International - AAF] (Fla)	5.5 NW;RR S	9	74h L5 S6	91,100 oct. JP-1. FEE 2-way rdo rqrd. ARPT OF ENTRY.
Miami Aviation Center (Miami, Fla)	7.5 NNE;bay E	8	25h S6	80,91 oct. No sto.
(N) Miami NAS (Fla) (N)	10.7 NW;canal N	9	60h	CLOSED.
(N) Miami OLF (Fla) (N)	7.9 NNW;RR E	9	36h	CLOSED
MORRISON Tower (Fla)	278 (126.18, 118.9)+		C (ILS)	(4);118.9,126.18,122.5
(A) Morrison (West Palm Beach, Fla) (A)	2 W;canal S	18	70h L5 S5	73-100 oct. FOREIGN CLEARING STN.
Naples (Fla)	2 NE;RRs E; W	8	50h	
(N) North Perry OLF (Hollywood,Fla)(N)	6.3 W	9	32h	CLOSED.
(N) North Pompano OLF (Pompano, Fla)(N)	1.5 NE;RR W	21	40h	CLOSED.
(P) [Page] (Ft. Myers,Fla)	4 S;RR SE	18	51h L5 S6	80,91 oct. Ground traffic.
Palm Beach County Park (Lantana, Fla)	2 WNW;lake N, E	13	35h L5 S6	80-100 oct. Fld lgts on prior req.after 2300
Punta Gorda, mun. (Fla)	3 SSE;hwy E	4	24	
(N) Richmond NAS (LTA)(Fla)	15 SW Miami	13	20h	CLOSED. (N)
→ Riddle (Clewiston,Fla)	7.6 W;hwy N			ABANDONED.
(P) South Dade County (Homestead, Fla)	See Homestead Arpt under "New Facilities" name changed.			
Sunny South (Miami,Fla)	6 N;hwy N	12	40 S6	80,91 oct. No sto. Rnwy data unver.
Tamiami (Miami, Fla)	12 W	8	35h S6	80,91,100 oct.No sto. P-line N,W.
WEST PALM BEACH Range (Fla) (Morrison)	209 (DWZ) (116.1)	89°,2.4	BMRAZ-DTV	(3); 116.1, 122.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

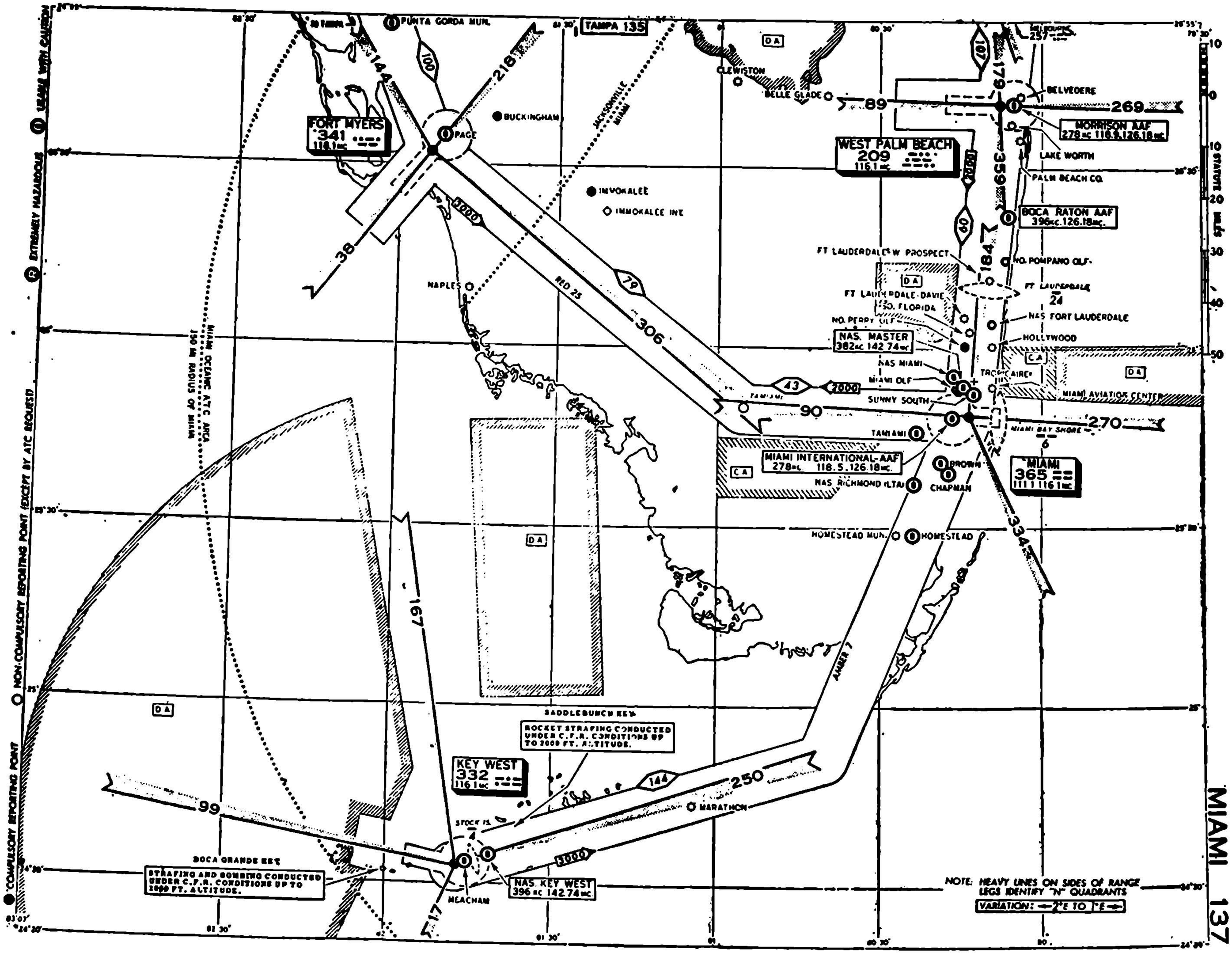
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MORRISON (A)	110.3	335	90°	IM -	MM- ·····(0.61)	OM- --(4.5)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

→ Ft. Lauderdale-Davie (Fla.)	6.5 WSW;hwy N	7	30h	80,91 oct.
West Prospect (Ft. Lauderdale,Fla)	6 NNW;RR SE	14	40h	
Homestead (Fla)	5 E	8	60h L5 S6	80,91 oct. Landing fee.
Hollywood Arpk Inc.(Fla.)	1 SW;RR E	12	23 S4	80,91 oct. Data unver.
→ South Fla.(Ft.Lauderdale)	7.5 SW;hwy E	10	45 S6	80,91 oct.P-line E. (Fla)
→ Tropicaire(Miami,Fla)	9 N	10	22 S4	80,91 oct.
Belvedere Co.Club(W.Palm Beach,Fla)	2 WSW;Army fld S	17	25 S6	80 oct.Trees SE,NW. Lgt acft only

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 9117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.85 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


EXTREMELY HAZARDOUS
USAAA WITH CAMERON
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
PUNTA GORDA MUN.
TAMPA 135
FORT MYERS
341
118.1
PAGE
BUCKINGHAM
JACKSONVILLE
MIAMI
IMMOKALEE
IMMOKALEE INT
NAPLES
MIAMI OCEANIC ATC AREA
150 NM RADIUS OF MIAMI
RED 25
CLEWISTON
BELLE GLADE
WEST PALM BEACH
209
116.1
BELVEDERE
MORRISON AAF
278 118.5 126.18
LAKE WORTH
PALM BEACH CO.
BOCA RATON AAF
396 126.18
FT LAUDERDALE-W PROSPECT
NO. POMPANO OLF
FT LAUDERDALE
FT LAUDERDALE-DAVIE
SO. FLORIDA
NAS FORT LAUDERDALE
NO. PERRY OLF
HOLLYWOOD
NAS. MASTER
382 142.74
NAS MIAMI
MIAMI OLF
TROPIC AIRE
MIAMI AVIATION CENTER
SUNNY SOUTH
TAMIAMI
MIAMI BAY SHORE
MIAMI INTERNATIONAL-AAF
278 118.5 126.18
NAS RICHMOND
CHAPMAN
BROWN
MIAMI
365
111.1 116.1
HOMESTEAD MUN.
HOMESTEAD
AMBER 7
SADDLEBUNCH KEY
ROCKET STRAFING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 3000 FT. ALTITUDE.
KEY WEST
332
116.1
STOCK IS.
MARATHON
BOCA GRANDE KEY
STRAFING AND BOMBING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 3000 FT. ALTITUDE.
NAS. KEY WEST
396 142.74
MEACHAM
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: —2°E TO 1°E→
MIAMI 137

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Term.)	248(BU)(116.1)	SBML-DTV;93°, 3	(3); 116.1
BURBANK LFM	(- -)	LFM, 97°, 1.5	Burbank
CASTAIC FM	(- - . - -)	FM, 322°, 41	Los Angeles.
CHATSWORTH	341 (L)	FMHW;276°,10.5	(Cont.) Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMHW;77°,11.0	(Cont.) Los Angeles
EL TORO MCAS (Santa Ana)	3295(142.74)	CN(GCA)	3105,4495;126.18,142.74
GLENDALE	371 (S)	MHW;97°.7.3	(Cont.) Burbank
GRAND CENTRAL (Glendale)	201	CI	(4); 122.5 (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CI	(3); 126.18 (0730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERM. (Burbank)	278(126.18,118.3)	AC	(4); 122.5,126.18,118.3
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV	(3);116.1,122.1
Long Beach Airport	347(126.18,118.5	AC; 298°, 3.9	(4);122.5,118.5,126.18
LOS ALAMITOS NAS (Long Beach	317(142.74)	CN	3105; 142.74 (8-1730)
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV ;244°,3.8	(3); 116.1,122.1
Los Angeles Airport	272(126.18,118.9)	AC(ILS-W)	(4); 126.18,118.9,122.5
LOS ANGELES	109.1 (LA)	BVAR; 88°. 2.0	
NEWHALL (Int.)	209(NH)(116.1)	SBMRL-DTV;317°,0.1	(4); 116.1
ONTARIO AIRPORT	219(126.18,116.1)	CI	(4);126.18,116,1,122.5 (8-18)
SANTA ANA (Navy)	359(NTK)	BMRLZ	3105;142.74
Santa Ana NAS	6970(142.74)	CN; 250°, 0.6	3105,3195;142.74 (Fly.hrs.& req
SANTA MONICA AIRPORT	353(126.18)	CI	(3); 126.18 (8-18)
TERMINAL ISLAND NAS (San Pedro)	338 (142.74)	CN	(3); 142.74 (flying hours)
VAN NUYS METROPOLITAN AIRPORT	219 (126.18)	CI	(4); 126.18 (730-1530, except Sat. & Sun)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)						
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOS ANGELES,	109.9	333.8	247°	IM-	MM-	OM- (2.45)
					MMK-	OMK-

S-Signal, Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3108, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 118.1, 127.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;dyke N	80	21 S4	80 oct. No sto.
→ Brackett (Pomona)	3 NW;hwys N,E	1010	25 S6	80 oct. Hill W
Cable-Claremont	1.8 ENE;RR E	1400	30h S4	80,91 oct.
→ Cal Aero (Chino)	4.5 SE	625	47h L	Restricted to W,A.A.Bndry lgts prior req.
Compton	1.5 W;hwy E,W	90	33 S6	80 oct. Poles E, N. Hwy N.
Compton Central (Compton)	2 NW;RR W	100	33h L S6	80,91 oct.Rdo & instr rprs.Rnwy data unver.
Conejo Valley (Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct.No sto.P-lines NE.
Corona	2.3 ESE;RR N	645	22 S6	80,91 oct.P-lines E,SE,W,NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City (Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.

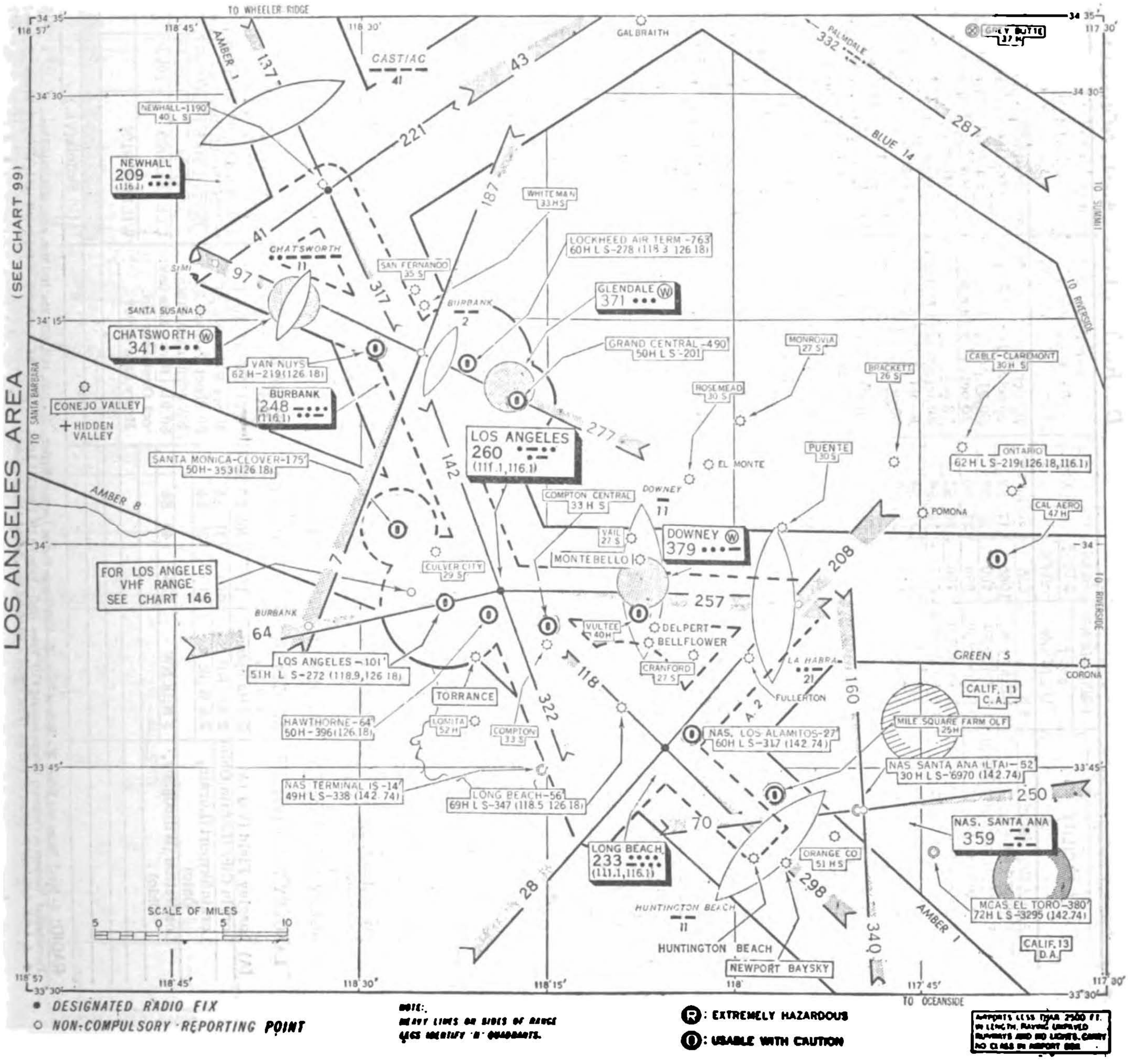
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delpert Airpark (Norwalk)	1.5 W;hwy N	90	21 S6	80 oct. No sto. Pole.
→ El Monte	1 NNE;rd E	300	20 S6	73,80,91 oct.Trees SW.Bldgs NE.
(N) El Toro MCAS (Santa Ana)(N)	5 SE,RR,hwy W	380	72h R1 L5 S4	100 oct.
Fullerton	3 W;RR N	95	18 L1 S6	80 oct. Port rnwy lgts.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73, 80 oct.
Gardena Valley (Gardena)	2 NW;RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW	490	50h R1 L5 S6	73,83,91,100 oct.Bet RR & river.
(A) Grey Butte (Victorville)(A)	22 W	3050	37h	Mtns S. CLOSED
(N) Haster Farm OLF (Gardengrove) (N) (NC)	2 SW	65	14h	
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
(N) Horse Farm OLF (Los Alamitos) (N) (NC)	2 E	54	17h	
Hughes (Culver City) (NC)	3.6 SSW;RR N	15	91	Pole line NE. Closed to Public.
Huntington Beach	1.8 SE;hwy NW	4	19 S1	80 oct.
(NG) LOCKHEED AIR TERM. (Burbank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91 oct;100 oct Army. No sto. Two-way radio required.
(P) Lomita Landing Strip	1 W;hwy S	95	52h	Mtns S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	100 oct.No sto.
(N) Los Alamitos NAS (Long Beach)	6 E; hwy N	27	60h R1 L5 S4	80,100 oct. NATS
(P) Los Angeles (N) →	9.5 SW;RR E	101	60h R3 L6 S6	91,100 oct. Rdo rqrd.. Rnwy data unver.
(N) Mile Sq. Farm OLF (Santa Ana)	3.5 SE;riv E	44	25h L	Pwr lines S.
→ Monrovia (N)	0.5 SE;RR S	500	26 S6	80,91 oct. Tree N,S.
Montebello	2 SSW;RR S	180	34 S6	80, 91 oct.
* Newhall Int.3A,LA-SF	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Newport Bay Sky Harb. (Costa Mesa)	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.
Norco	2.5 N;RR S	590	14 S1	80 oct.
(P) Ontario	2.5 E;bet RRs	952	62h R1 L5 S4	80,91,100 oct.
(P) Orange Co. (Santa Ana)	5 S;at fork rds	53	48h L5 S6	80,91 oct.
(N) Palisades OLF (N)(NC)	2 E Costa Mesa	107	25	Bay N, W.
→ Pomona	1.8 SSE;rd W	775	20 S6	80 oct. Trees E,hill W.
→ Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. Poles NE,house SW.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	52	30h R2 L4 S4	91,100 oct. No sto. Rnwy data unver.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No bcn. Lgts prior req.
→ Santa Susana	0.5 S;RR N	955	18 S1	80 oct.Hills ENE,P-lines WSW.
→ Sky Ranch (Puente)	See Puente Sky Ranch under "New Airports" -name changed.			
(N) Terminal Isl.NAS(San Pedro)(N)	2 ENE	14	49h R1 L6 S4	80,100 oct
Torrance Community (Los Angeles)	11.5 SSW;hwy W	82	21h S6	80 oct. No sto. Poles W; pwr line E.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct.Port rnwy lgts.Rdo rprs.
(NG) Van Nuys Metropolitan	2.8 NW;RR N	800	62h R1	Ltd 100 oct.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW.RST'D.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct.Pole line NNW,NE,SW.

NEW AIRPORTS

→ Puente Sky Ranch (Calif.)	1.3 E;RR S	402	30 S4	80 oct.Trees E,P-line W.



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS INDICATE 'R' QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS

Ⓘ: USABLE WITH CAUTION

AIRPORTS LESS THAN 2500 FT. IN LENGTH, PAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS OR AIRPORT DATA.

DETROIT – CLEVELAND – NORFOLK

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
➝ Ann Arbor (Mich)	4 S	835	32 L3 S6	80 oct. Lgts prior req.
➝ Bedford (Ohio)	2 NE;hwy W	1060	17 S2	80 oct. P-line N,SE.
Berz (Birmingham,Mich)	1.5 E;RR SW	700	32 S2	80,91 oct. N blkd.
Big Beaver (Mich)	0.8 E;hwy W	650	21 S6	80 oct. Pwr line N
Brooklyn (Cleveland,Ohio)	5.5 SW;RR S	780	26 S2	73 oct.
Burns (Detroit, Mich)	8.5 WSW;RR N	625	19 S6	80 oct.SW blkd.P-lineN
Chagrin Falls (Ohio)	3 E;hwy SW	1220	23 S4	80 oct.P-line N.
Chagrin Harbor (Willoughby, Ohio)	2.5 NNW	620	22 S6	80 oct.P-line W.
Chardon (Ohio)	2.8 S	1230	22 S4	80 oct.P-lines sur fld.
CLEVELAND Range (Ohio)	344(CV)(116.1)	100°,0.7	SBRAZ-DTXV	(3);116.1 Use strips.
CLEVELAND Arpt. Range	278		MLW	(Ohio)
CLEVELAND Tower (Ohio)	278(126.18,118.3)		AC (ILS-W)	(4);118.3,126 18,122.5
(A) [Cleveland] (Ohio)	8.5 SW;riv W	789	60h L6 S6	73,80,91,100 oct.JP-1. FEE.ARPT OF ENTRY
Cumberland(Portsmouth)	8 S	15	28 S4	80 oct.(Va)
DETROIT H Fac. (Mich)	201 (D)	329°,2.2	MHW	(Cont.) Detroit
DETROIT CITY Tower	278 (118.5)		C	(4); 122.5
➝ [Detroit City] (Mich)	5.5 NE;RR S	625	53h L4 S6	80,91 oct.Fee Rdo rec rqrd.ARPT OF ENTRY P-line N. Tank W
DETROIT NAS Tower(Mich)	269 (142.74)		CN	(3);142.74 (8-17)
(N) Detroit NAS (Mich)(N)	17 SSW	594	47h L5 S6	91,100 oct.P-line E.
ELYRIA H Fac. (Ohio)	219 (S)	280°,10.9	FMHW	(Cont.) Cleveland
Elyria (Ohio)	1.6 SSW;bet RRs	745	27 S4	80 oct Poles SSE,S.
Euclid Ave.(Willoughby Ohio)	1.5 WSW;RR N	640	26 S6	80,91 oct.P-line S,hi-line N.
(N) Fentress NAAS (Va)(N)	2.5 ESE;hwy N	16	25h	CLOSED.
Ford (Detroit, Mich)	8.8 SW;RR N	600	37h	PRIVATE.
(P) Franklin (Va)	3 NE;RR S	38	41h L5 S6	80,91 oct.Trees sur fld.
Garner's (Windsor,Va)	4.8 NNE;hwy W	80	25 S2	80 oct.
➝ Glen Rock (Norfolk,Va)	4.5 E;hwy W	18	24 S6	80,91 oct.Trees SW.
Gridley (Ypsilanti,Mich)	4.4 WSW;hwy E	840	24 S5	80 oct.Pole E;woods N
Hance (Wyandotte,Mich)	2.5 W;hwy N,E	590	28 S6	80 oct. N blkd.
Hartselle Air Terminal (Wayne, Mich)	3.5 NW;RR E	675	18 S6	80 oct.P-line E;trees ENE,W,WSW,WNW.
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW.
Krist-Port (Farmington, Mich)	3.8 N;jct rds	860	27 S6	80 oct.Obsts sur fld.
LANGLEY Army Range (Va)	221(DLY)(116.1)	102°,3.8	SBMRAPZ-DTV	(3); 116.1
LANGLEY Tower (Va)	278 (126.18, 116.1)+		CA (GCA)	(4); 126.18
(A) Langley Field (Va) (A)	3 N Hampton	10	70h L5 S6	73,91,100 oct. JP-1.
Lorain City (Lorain,Ohio)	2.8 W;RR N	610	31 S4	80 oct.P-line NE,SE.
Lorain Skyport (Lorain, Ohio)	2.5 W;lk N	610	29 S4	80,91 oct.P-line S,SE. SW corner unusable.
Lost Nation (Willoughby, Ohio)	3 N;lk NW	626	40 S6	80,91 Rnwy data unv. oct.Obsts sur fld. Rnwy data unver.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
➝ McEnnan (Ypsilanti,Mich)	2.7 SSW;riv NE	738	23 S4	80 oct. P-line E,Trees NW.
McKinley (Fraser,Mich)	1.3 NW;RR E	620	27	P-line E, NE.
Mettetal (Plymouth,Mich)	1.5 SSE;RR E	700	25	80 oct. P-line N,NE,SW,W
Mid City (Hudson,Ohio)	2 S;RR S	1080	31 S4	80 oct. Poles W,NW
Milan (Mich)	3.8 SW;RR SE	705	23 S2	80 oct. P-line N.
➝ Monogram	2.8 W;riv W	21	45	CLOSED(Drivers,Va)
Nan-Bar (Flat Rock,Mich)	0.7 ENE;RR N	590	28 S6	80 oct.Smudge pots prior req.Data unver.
Nat'l Fly.Svc.(Detroit,Mich)	11.5 WSW;RR N	635	29 S4	80 oct.Poles NE,NW.
(N) Newport OLF (Mich) (N)	3 W;hwy E	608	20h	
NORFOLK Range (Va)	239(NW)(116.1)	44°,3.3	SBMRLZ-DTV	(3); 116.1
NORFOLK Tower (Va)	269 (126.18, 118.3)		AC	(4); 122.5,126.18, 118.3
[Norfolk] (Va)	5 ENE;RR SE	22	50h L5 S4	80, 91 oct.
NORFOLK Navy Range (Va)	356 (NGU)	276°,2.9	BMRLZ	(East Field)
(N) Norfolk NAS (Chambers)	7 N;rd N	13	26h	CLSD.Use E.Fld.(N)
NORFOLK NAS Tower (East)	323 (142.74)		CN(GCA)	(3); 142.74
(N) Norfolk NAS (East)(Va)(N)	6 N;RR SW	15	43h L5 S6	91,100 oct NATS.
NORFOLK NAS Tower (Seapl)	2870		CN	2870 (7-17 and on req)
OCEANA NAAS Tower (Va)	3295 (142.74)		CN	3105,4495;142.74 (745-1830)
(N) Oceana NAAS (Va) (N)	1 SW;RR N	20	60h L5 S4	91,100 oct.No bcn.
Ortner (Wakeman,Ohio)	4 NNE;RR S		26 S1	73 oct. Data unver.
Peninsula (Hampton,Va)	2 WSW;RR N	12	26 S4	80 oct.
Pungo (Va)	0.8 NE	15	25h	
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116 1
Roseville (Mich)	0.5 S;hwy W	610	31 S6	80 oct.SE,SW blkd.
Sky Haven (Northfld,Ohio)	2.5 SSE;RR NE	1040	25 S4	73,80 oct.Pwr line W,S
Solon (Ohio)	1.1 SSE;RR NE	1034	24 S6	73,80 oct.P-line W,SE
South Norfolk (Norfolk,Va)	6 SSE		36 S4	Fuel. Data unver.
Stinson (Wayne, Mich)	1.4 SW;RR E	664	25h	PRIV. P-line NNE
Tecumseh (Mich)	1.8 NNE;riv SW	815	26 S6	80 oct.P-lines S W blkd
Triangle (Plymouth,Mich)	1.5 ESE lk N	700	26 S4	80 oct. P-line N,E,S. W blkd.
* Vermilion Int,28,CG-LG	3.7 SW;RR N,S	610	24 L3	N,SE,S,NW blkd. (Ohio)
Virginia Beach (Va)	6 W;RR N	15	43 S2	80,91 oct.P-line N. Hwy N
Ward (Bedford, Ohio)	1.5 S;RR E	980	20 S6	80 oct.
Waverly (Va)	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush
➝ Warren (Mich)	1.6 WNW;RR E	625	23 S6	73,80 oct. sur fld
Washtenaw (Dexter, Mich)	3 SSE;hwy S	867	26 S4	80 oct. P-lines,trees all approaches
(NG) Wayne Co(Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct.1-ech.maint. NG.ARPT OF ENTRY
Willoughby (Ohio)	1.2 E;RR NW	700	25 S6	80,91 oct. P-line W,S
WILLOW RUN Tower (Mich)	332 (118.7)		C (ILS-W)	(4); 118.7
(P) Willow Run (Ypsilanti)	4.5 E;riv S	715	74h L5 S1	PCA stop only.RR N.(Mich)
➝ WINDSOR Range (Ont.,Can)	353 (QG)	243°,3.3	SBRAZ-T	3105,6210,3117.5.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CLEVELAND	109.9		54°	MM-	OM- — — (4.75)
				MMK-	OMK-
WILLOW RUN			50°	MM-	OM-
				MMK- 341 — (0.65)	OMK- 359 •— — (5.80)

NEW FACILITIES

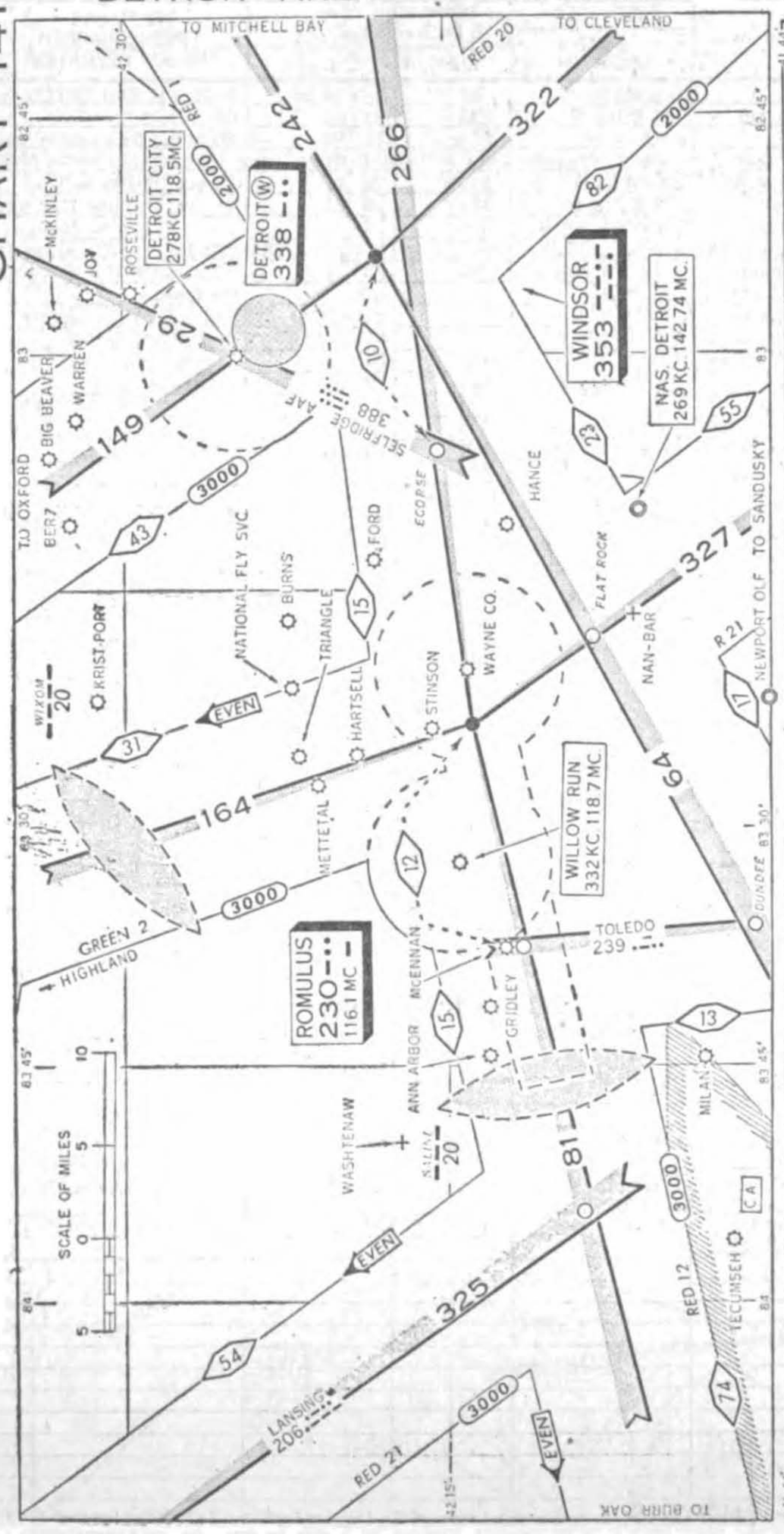
(P) Suffolk(Va.)	3.8 SSW;RR E	60	50h	

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.65, 140.85 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

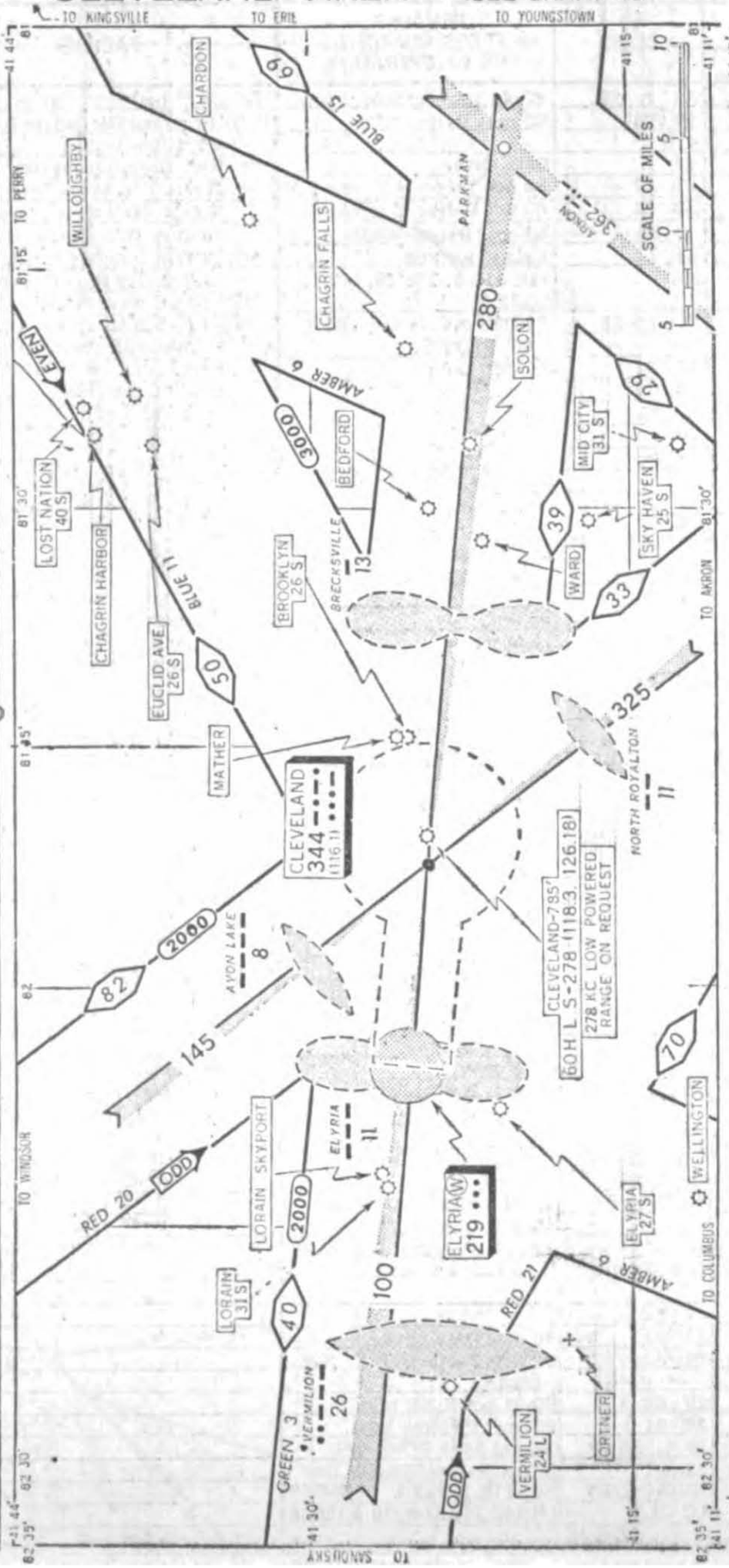
AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) ➝ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

CHART 141

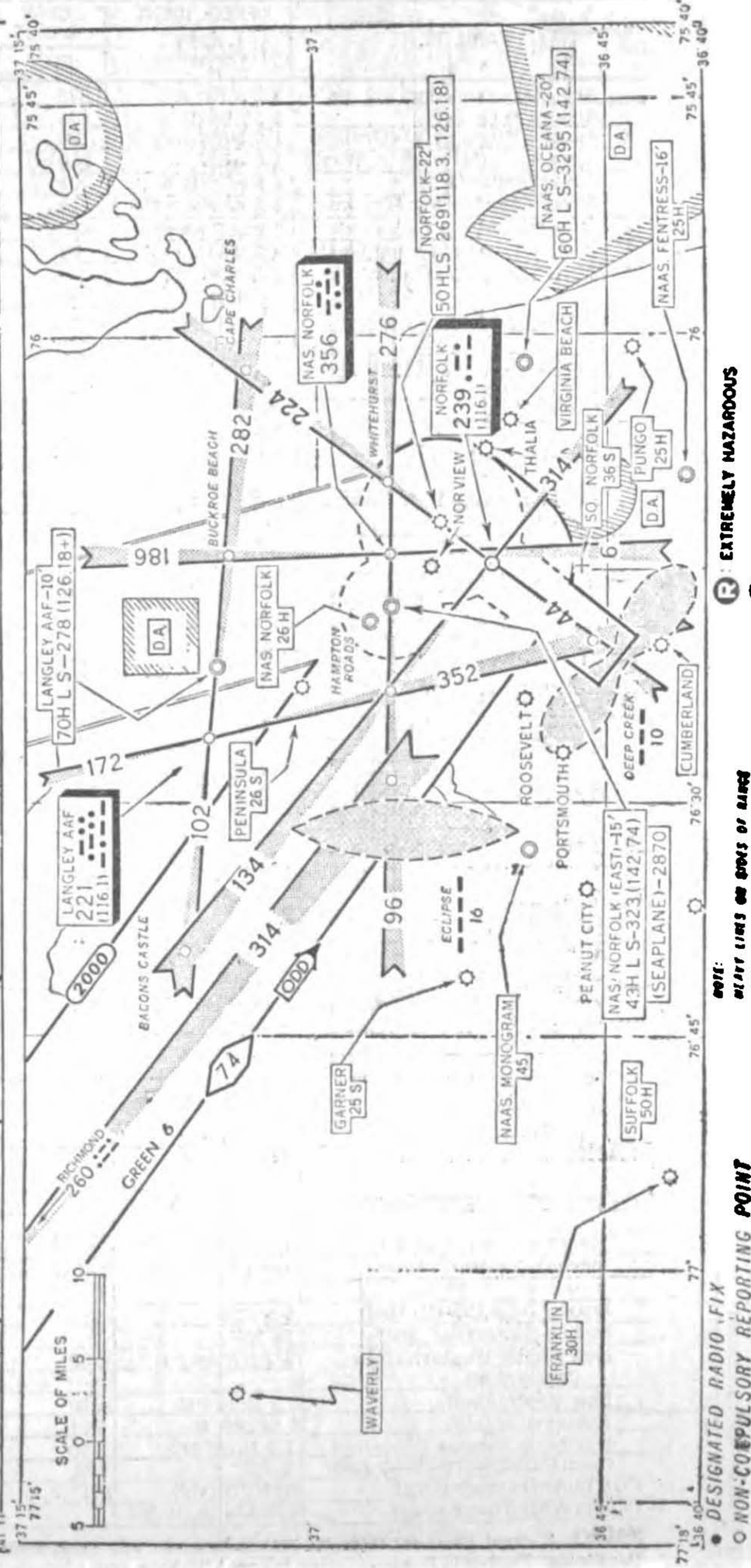
DETROIT AREA (SEE CHART 33)



CLEVELAND AREA (SEE CHART 49)



NORFOLK AREA (SEE CHART 97)



● EXTREMELY HAZARDOUS
① : USABLE WITH CAUTION

NOTE:
BLUE LINES ON EDGES OF CHARTS INDICATE 5-MINUTE INCREMENTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

SEATTLE – PORTLAND – INDIANAPOLIS

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR & DIST ELEV	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
Ace (Anderson, Ind)	3.5 S;RR E	875	33 L S6	80 oct. Port lgts prior req.
Anderson (Ind)	3.5 SE;RR W	875	27 S6	80 oct. P-line NE.
(P) Aurora Flight Strip (Ore)	1.6 NNW;hwy W	196	41h	
Apex Arpk (Silverdale, Wash)	1.5 WSW	550	16	Data unver.
Bargersville (Ind)	1 NNE;RR W	701	27 S2	80 oct. Trees N P-line E,W
Barrys Sky Harbor (Tacoma)	2.3 ENE;riv SW	4	21 S3	80 oct P-line E (Wash)
Beck (Jolietville,Ind)	2.2 SSE;hwy 2W	830	18 S3	80 oct P-line WNW
Boeing-Renton (Renton,Wash)	0.9 NW;lake N	32	54h L5	Lgts prior req.
BOEING Tower (Seattle, Wash)	278 (126.18, 118.3)		AC	(4); 118.3, 126.18, 140.1, 122.5
(P) [Boeing](Seattle, Wash)	6 S,riv SW	15	75h L5 S6	80-100 oct. No sto. ARPT OF ENTRY.
Brightwood (Indianapolis,Ind)	3.7 NE;rd S		44 S4	80 oct. Data unver.
Brownsburg (Ind)	1.5 SSE;RR N	650	26 S2	80 oct. P-line S.
Canby (Ore)	0.5 NNW	150	17 S1	80 oct. Pwrline NE,SW.
➙ City View Arpk (Tacoma,Wash)	4.5 NE	380	18	P-line SW.
Crawfordsville (Ind)	4.5 SSW	850	38 S4	80 oct. Hwys E, W.
Delaware (Muncie, Ind)	3 WSW;hwy N		27	Pwrline E. Data unver.
➙ Dwyer Landing Fld.(Portland, Ore)	7 SE;RR NW	200	16	Poles SW.
Enumclaw (Wash)	1.5 WSW;hwy E	740	20 S2	Ltd 80 oct. Pwrline E.
Farmers (Greenfield, Ind)	9 NW		26 S2	73 oct. Data unver.
Forrest Grove (Spanaway,Wash)	1.8 E;RR E	340	30 S6	80 oct.
Franklin Flying Fld. (Ind)	4 S	745	22 S6	80 oct.
G & C (Anderson, Ind)	1 N	875	30	Data unver.
➙ Green Acres (Mulino, Ore)	1.9 SSW;RR W	269	18	SE blkd.
Greencastle (Ind)	2.5 ESE;RR N	780	20 S6	80 oct. P-line SE,S. Soft.
(P) Greenfield Inc. (Ind)	1.9 ENE;RR S	910	30 S6	80 oct. P-line S.
Groves (Camas, Wash)	2.8 N;hwy E	350	16 S1	Ltd 80 oct. Lake SW.
Himes (Whitesville,Ind)	0.8 E;RR SW	870	17 S1	80 oct. P-line NNE,NW
Hoosier-Park (Ind)	4 WNW;hwy N	740	26 S6	80,91 oct. P-line NE.
Howell Brothers (Rushville,Ind)	2 SE;hwy SW	985	13 S4	91 oct. Bldgs SW.
Huffman Air Svc. (Selma, Ind)	0.8 SE;RR N	1000	19 S6	80 oct. Obsts sur fld
INDIANAPOLIS Range (Ind)	266(ID)(116.1)	82°, 3.2	SBRAZ-DTV	(3); 116.1
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(P) [Indianapolis] (Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct. Exper lgtg
Kent (Wash)	1.5 SSW;riv N	30	30 S6	80 oct.
Kitsap Co. (Bremerton,Wash)	8 SW;hwy NW	482	50h L5 S6	80,91 oct. Lgts on req. No sto
Lake Arpk (Bellevue, Wash)	3.5 SSE;	35	21h S2	Data unver. On lake shore
Lakewood (Tacoma, Wash)	7.5 SSW;RR E	243	22 S1	80 oct. Trees ENE,WSW
➙ Lapel (Ind)	1 NE	865	26 S4	80 oct. Obst sur fld.
Lebanon (Ind)	1 S;RR N	925	16 S4	80 oct. Trees SW.
Lizton (Ind)	1 SE		25	Data unver.
Loy (Plainfield, Ind)	0.5 S;RR W	873	20 S6	80 oct. E,SE blkd.
Martinsville (Ind)	2 W		10	Data unver
McCHORD Army Range (Tacoma)	272 (DTA)	26°, 1.7	BMRL	
McCHORD Tower (Wash)	396 (126.18)+		CA (ILS-W) ◆ :45,05	(3); 116.1, 126.18
(A) McChord (Tacoma,Wash)(A)	7 SSW;lake SE	285	59h L5 S6	73,91,100 oct. JP-1. FOREIGN CLEARING STN.
Mecca (Danville, Ind)	0.8 WSW;hwy N	750	18 S2	80 oct. P-line E,SSE,NNW
Mercer (Seattle, Wash)	See Bellevue Airfield under "New Facilities" - name changed			
Milroy Int,5,CC-CG (Ind)	5.5 ESE	1034	27 L3	
Moore (Zionsville, Ind)	12 NW		14 S1	80 oct. Data unver.
New Castle Western (New Castle, Ind)	2.3 NW;hwy E	1080	24 S2	80 oct. P-line N,SE NW blkd.
New Castle (Ind)	3.2 E;hwy N	1040	29 S6	80,91 oct. N,NE blkd.
Noblesville (Ind)	1 SE;RR N	801	24 S1	80 oct. Pwrline ESE.
Northern Tacoma (Puyallup)	1.3 N;RR N,S	20	19 L S6	(Wash) Lgts prior req.
Owen Pathfinder(Camby,Ind)	2.3 S	792	32 S1	80 oct. P-line SSE,SW. Use strips
PORTLAND Range (Ore)	332(PD)(vhf)	171°, 3.1	SBRAZ-DTV	(3); 116.1, 122.1
PORTLAND Tower (Ore)	278(126.18,118.3)+		AC (ILS)	(4); 142.74, 122.5, 118.3, 126.18

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(NG,N) [Portland] (Ore)	5 NNE;riv N	19	55h L6 S6	P-line W lgtd. NATS.
(NG) Portland Birdsdale (Ore)	8.5 E;RR N	220	23 S6	80, 91 oct.
Puyallup (Wash)	6 S;hwy W	520	45 S6	80,91 oct. Rnwy data unver.
➙ R.C. Sugg (Orchards, Wash)	See Evergreen Fld (Orchards) under "New Facilities" - name changed.			
➙ Reese Fly. Serv. (Selma,Ind.)	3.5 SW;riv W	975	20 S2	80 oct. P-line E,NE.
R.O.K. (Gresham, Ore)	2.2 W;RR S	285	26 S5	73 oct. Pwrline E, ENE.
Schuler (Woodburn, Ore)	2.8 WNW;RR E	200	29	req. No flood, no bcn.
SEATTLE Range (Boeing)(Wash)	260(SA)(116.1)	296°, 2.8	SBRAZ-DTXV	(3); 116.1, 122.1 Lgts prior
➙ Seattle Sky Ranch (Issaquah)	1.6 NNW;hwy S	50	25 L5 S6	80,91 oct. Hill S. (Wash)
SEATTLE Navy H Fac. (Wash)	532 (WN)		MH	(4) cont.
SEATTLE NAS Tower (Wash)	230(142.74)		CN (GCA)	(3); 142.74 (8-sunset)
(N) Seattle NAS (Wash) (N)	6.5 NNE;lk E	37	51h (L6) S6	91,100 oct. NATS.
Seattle-Tacoma (Seattle,Wash	10.5 S; RR E	405	61h	Trees and hills sur fld.
Shank's (Indianapolis, Ind)	6NW;hwy NE	740	32 S6	80,91 oct.
Sheridan (Ind)	2.5 N	700	23 S6	80,91 oct. P-line W. Data un-
(P) Sky Harbor (Indianapolis,Ind)	7 ENE;hwy S,E	730	26 L S6	80 oct. P-line E,S,SE ver.
Sky Park (Oregon City, Ore)	2.7 SE;RR NW	440	27 S6	80 oct. P-line S.
South Port Orchard (Port Orchard, Wash)	7.5 SSW;lk S	350	30 S6	80 oct.
Spanaway Acft Co.(Spanaway)	1.2 SSE;RR S	375	25 S6	80,100 oct. P-line S. (Wash)
➙ Sportsman Arpk (Newberg,Ore)	1 E;riv SW;hwy W	173	23 S4	80 oct. Trees NNE.
STOUT Tower (Ind)	396		CA	4495 (9-18)
(A) Stout AAF (Indianapolis,Ind)(A)	5.5 WSW	714	45h L5 S4	100 oct, 2nd ech maint only
Suco Arpk (Shelbyville,Ind)	0.7 SE;RR NE	800	23 S2	80 oct. P-line E. Data unver
Tacoma (Wash)	4.4 W;hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk (Tacoma,Wash)	2.9 WSW;RR E	250	20 S4	80 oct. Sharp drop W edge
Vancouver (Wash)	1 SE	26	19 S6	Ltd 80 oct. fld.
Vancouver, mun. (Wash)	6.7 ENE	240	26 S1	80, 91 oct. Hwy W.
Wells (Milwaukie, Ore)	1.3 NE;RR W	158	17 S1	80 oct. /Use strips only
White Cloud (Greenwood,Ind)	1.8 SW;hwy E	800	24 S6	80 oct. P-line N,NE,E,SE,NW
Yorktown (Ind)	0.8 S;RR N	910	20 S6	80,91 oct. P-line N,E,W.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

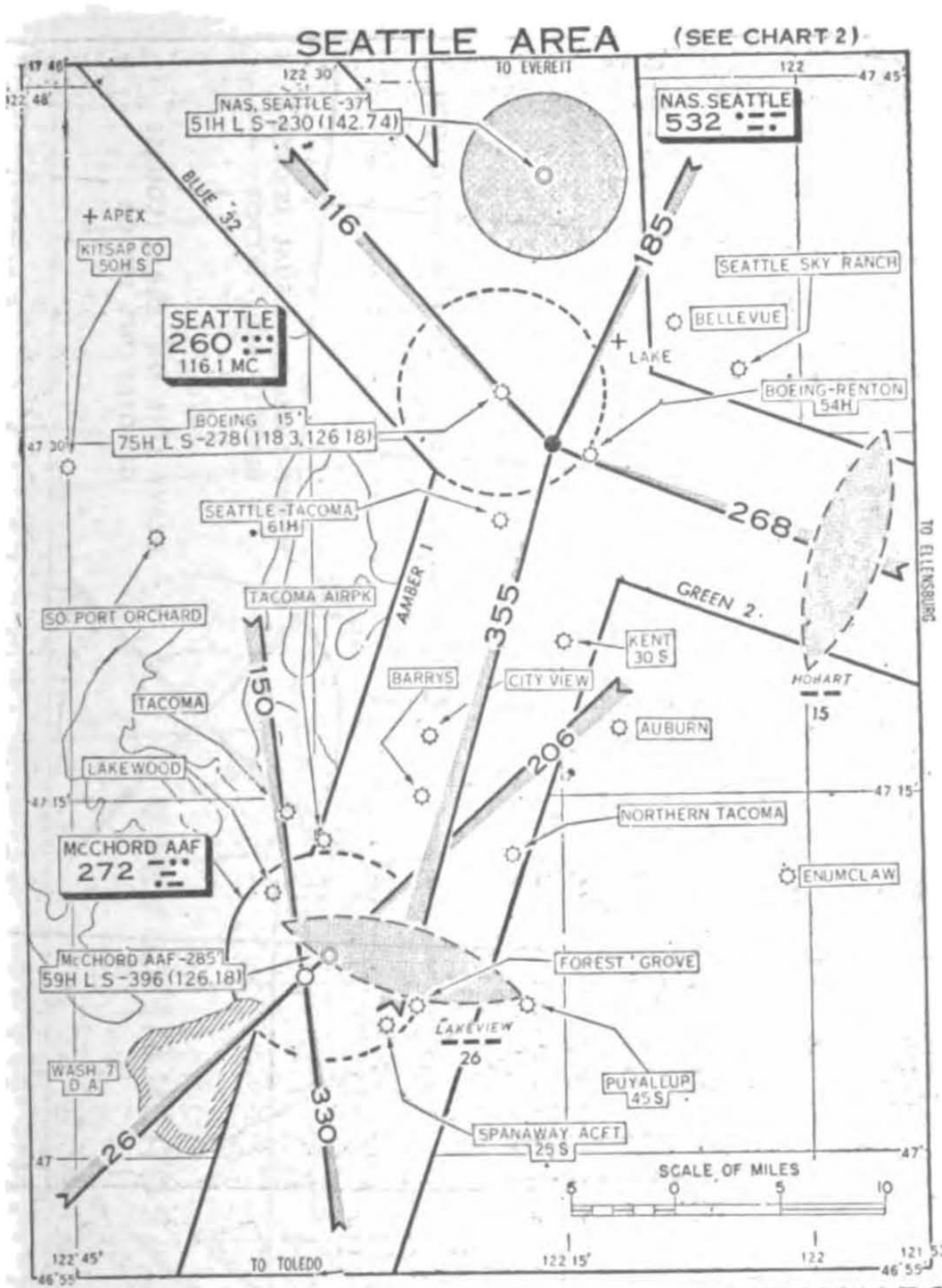
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INDIANAPOLIS (L6)	109.9	333.8	44°	IM-	MM- (0.89)	OM- (4.3)
					MMK- 201	OMK-219
McCHORD (A)	109.9	333.8	337°	IM- (0.24)	MM- (0.85)	OM- (4.44)
					MMK-	OMK-
PORTLAND	109.9	333.8	113°	IM-	MM- (0.52)	OM- (4.81)
					MMK-	OMK-219
SEATTLE-TACOMA	110.3 (W)	335	338°	IM-	MM- (0.65)	OM- (4.6)
					MMK- 371	OMH-359

➙ Bernard (Beaverton,Ore)	1.4 NNW;RR S	203	19 S6	80, 91 oct.
➙ Columbia Co. (Scappoose,Ore)	1.2 NE;RR W	55	40h L S6	80,91 oct. Port rnwy lgts. P.
➙ Hillsboro (Ore)	2.4 ENE;RR E	200	41h L5 S6	80,91 oct. line NNW.
Bellevue (Seattle,Wash)	9.5 E	345	22h S6	80,91 oct. Rdo prs Rnwy data unver.
Stewart (Danville,Ind.)	2 E;hwy N	750	25 S2	80 oct. Wires N,S. Use strips.
➙ Skylife (Fairview,Ore.)	4 W;RR N	243	28 S1	80 oct. Pwrline ESE.
➙ Division Street (Ore.)	2.4 WNW;RR E	250	28 S6	80,91 oct. S bldk. Trees N.
➙ Auburn (Wash.)	1.8 ESE;lk NE	276	24 S6	80,91 oct.
➙ Evergreen Fld (Orchards, (Wash.)	3.6 SSE;hwy S	510	24 L S6	80 oct. Port lgts prior req.

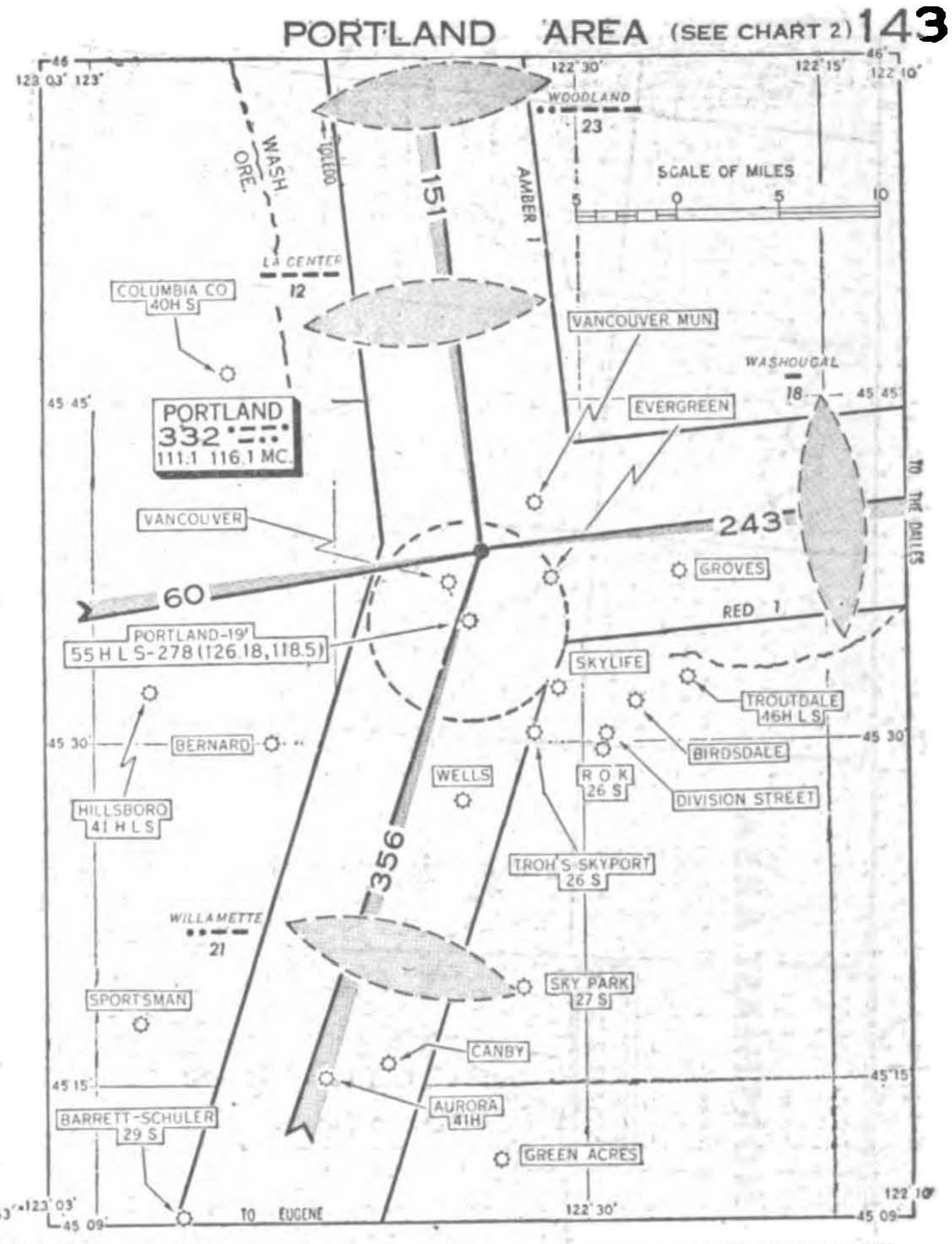
RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
➙ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

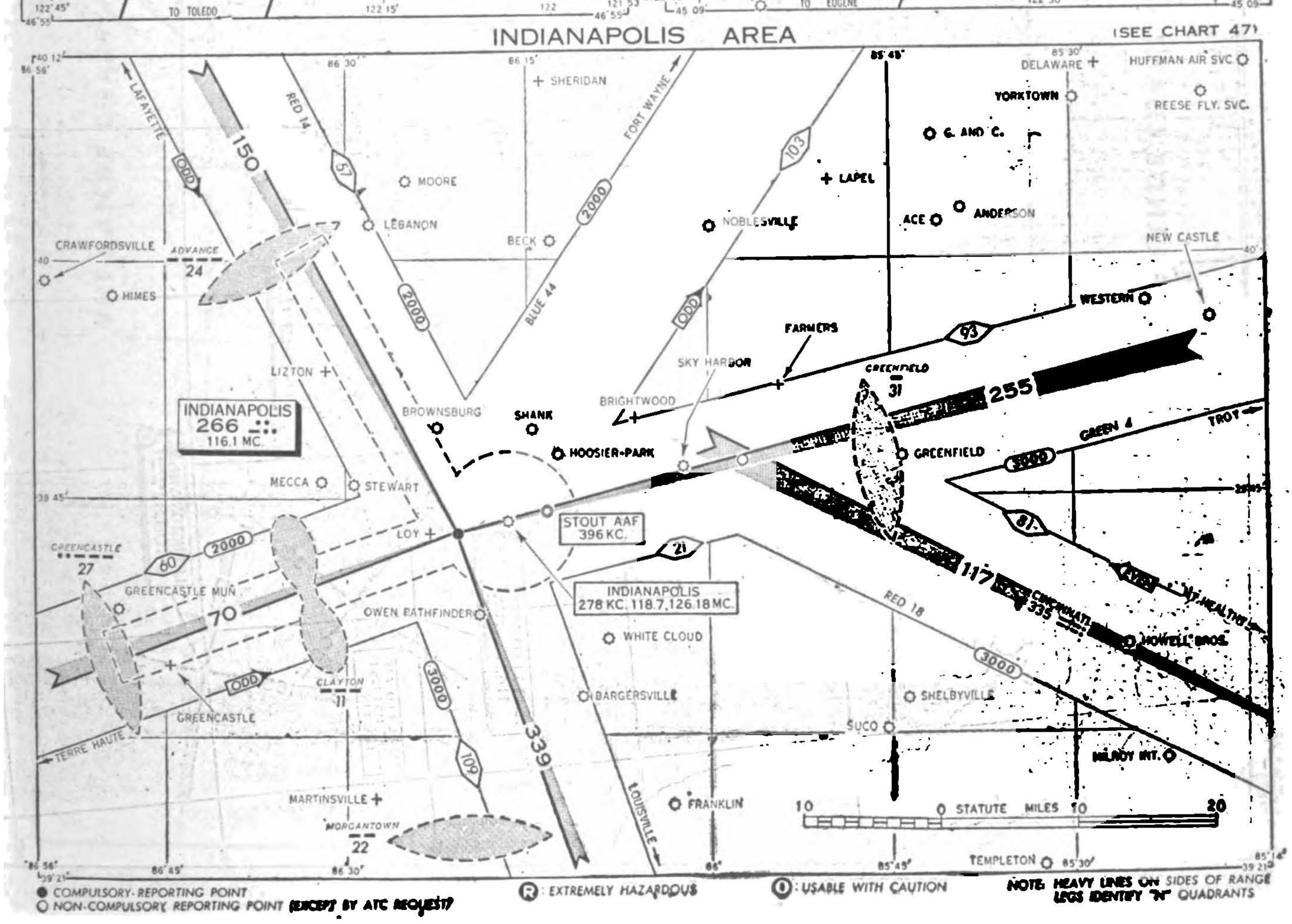
SEATTLE AREA (SEE CHART 2)



PORTLAND AREA (SEE CHART 2)



INDIANAPOLIS AREA (SEE CHART 47)



● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS

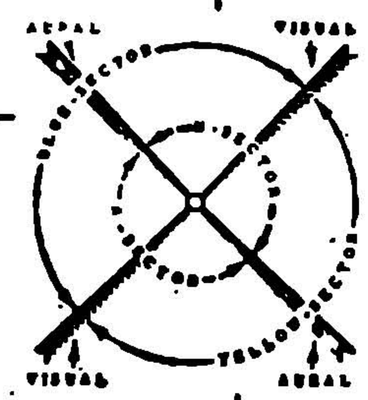
Ⓤ : USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS

VHF RANGE CHART - NORTHEAST AREA

MASSENA (VHF) (W) V-108.7 (R)
165
255
225
045
135
315
145
WATERTOWN (VHF) (W) W-109.1 (R)
PHILIPSBURG (VHF) (W) V-108.7
MILLBROOK (VHF) (W) W-109.1
191
195
101
281
105
285
107
197
107
287
287
ALLENTOWN (VHF) (W) W-109.1
149
239
329
PROVIDENCE (VHF) (W) V-108.7 (I)
CLINTON CO. AAF (VHF) (W) 114.3
133
224
139
134
140
230
223
311
MATAWAN (VHF) (W) V-108.7
CLINTON CO. AAF 272 KC. 116.1, 126.18, 140.58 MC.
043
313
150
320
314
SUNBURY (VHF) (W) U-108.3
WHEELING (VHF) (W) U-108.3 (I)
165
255
075
345
LEXINGTON (VHF) (W) U-108.3 (I)

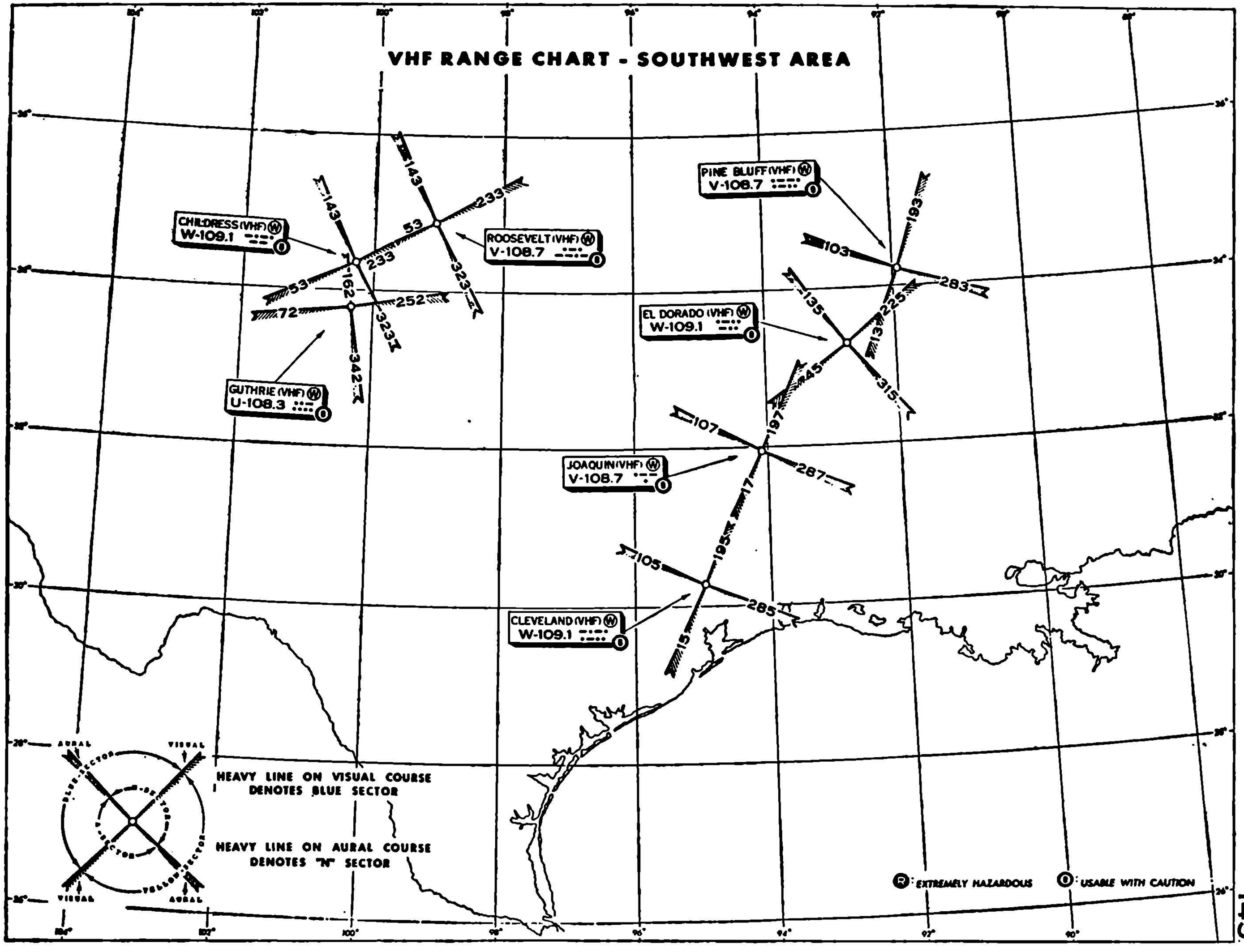
(R): EXTREMELY HAZARDOUS (I): USABLE WITH CAUTION



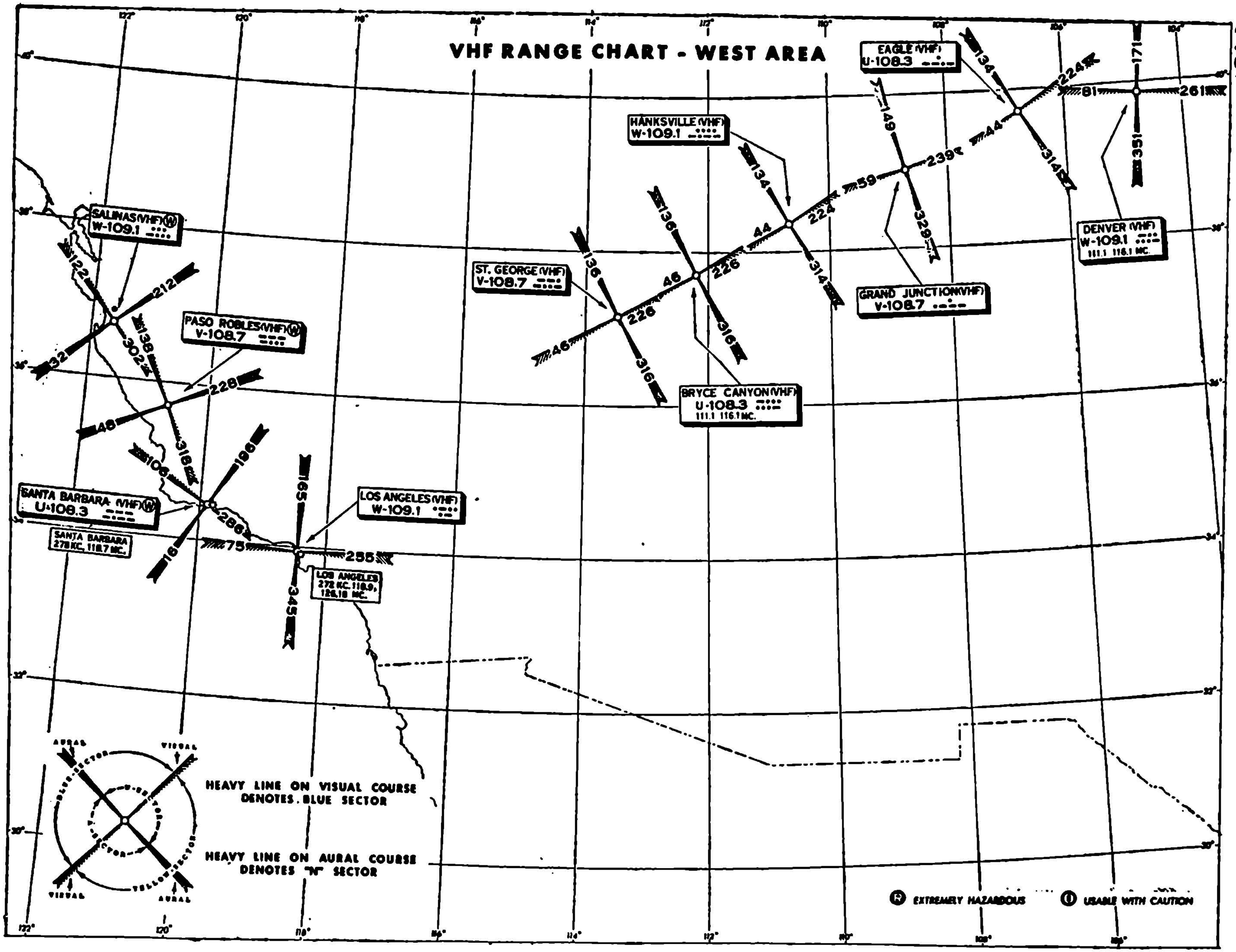
HEAVY LINE ON VISUAL COURSE DENOTES BLUE SECTOR

HEAVY LINE ON AURAL COURSE DENOTES "N" SECTOR

VHF RANGE CHART - SOUTHWEST AREA



VHF RANGE CHART - WEST AREA



AIRWAY MILEAGES

ALBANY - BOSTON	147
ALBANY - MONTREAL	195
ALBANY - NEW YORK	146
ALBUQUERQUE - AMARILLO	278
ALBUQUERQUE - DENVER	408
ALBUQUERQUE - WINSLOW	234
AMARILLO - OKLAHOMA CITY	232
AMARILLO - WICHITA	300
ATLANTA - MOBILE	299
ATLANTA - SHREVEPORT	579
ATLANTA - WASHINGTON	577
BIG SPRING - FORT WORTH	253
BIG SPRING - EL PASO	282
BILLINGS - HELENA	195
BIRMINGHAM - ATLANTA	141
BIRMINGHAM - MEMPHIS	268
BISMARCK - BILLINGS	384
BOSTON - BANGOR	210
BOSTON - BUFFALO	403
BOSTON - BURLINGTON	192
BOSTON - MONTREAL	265
BOSTON - PORTLAND	95
BROWNSVILLE - SAN ANTONIO	273
BUFFALO - CHICAGO	506
BUFFALO - DETROIT	249
CHARLESTON - CINCINNATI	152
CHARLESTON - RICHMOND	362
CHARLESTON - ST. LOUIS	475
CHARLESTON - WASHINGTON	461
CHICAGO - CINCINNATI	279
CHICAGO - DES MOINES	318
CHICAGO - MINNEAPOLIS	370
CHICAGO - ST. LOUIS	257
CLEVELAND - CHICAGO	320
CLEVELAND - DETROIT	107
DENVER - ALBUQUERQUE	408
DENVER - AMARILLO	378
DENVER - OMAHA	486
DENVER - SALT LAKE	469
DENVER - SHERIDAN	400
DES MOINES - DENVER	604
DETROIT - CHICAGO	257
EL PASO - ALBUQUERQUE	251
EL PASO - PHOENIX	383
EL PASO - SAN DIEGO	666
FARGO - BISMARCK	187
FORT WORTH - EL PASO	535
FORT WORTH - OKLAHOMA CITY	181
FORT WORTH - MONROE	310
GREAT FALLS - BILLINGS	202
GREAT FALLS - SALT LAKE	488
GREAT FALLS - SPOKANE	299
GREENSBORO - ATLANTA	307
HELENA - SPOKANE	269
HOUSTON - ALICE	222
HOUSTON - CORPUS CHRISTI	184
HOUSTON - DALLAS	267
HOUSTON - FORT WORTH	274
HOUSTON - SAN ANTONIO	238
INDIANAPOLIS - ST. LOUIS	222
JACKSONVILLE - ATLANTA	275
JACKSONVILLE - CHARLESTON	208
JACKSONVILLE - NEW ORLEANS	529
KANSAS CITY - CHICAGO	413
KANSAS CITY - DENVER	568
KANSAS CITY - HURON	416
KANSAS CITY - MINNEAPOLIS	471
KANSAS CITY - ST. LOUIS	205
KEY WEST - MIAMI	157
KNOXVILLE - NASHVILLE	154
LAS VEGAS - SALT LAKE	370
LOS ANGELES - LAS VEGAS	277
LOS ANGELES - SALT LAKE	647
LOS ANGELES - SAN FRANCISCO	362
MEMPHIS - FORT WORTH	468
MEMPHIS - NEW ORLEANS	349
MEMPHIS - ST. LOUIS	261
MEMPHIS - TULSA	362
MIAMI - JACKSONVILLE	334
MIAMI - TAMPA	222
MINNEAPOLIS - FARGO	228
NASHVILLE - MEMPHIS	205
NEW ORLEANS - HOUSTON	313
NEW YORK - BUFFALO	291
NEW YORK - BOSTON	193
NEW YORK - CLEVELAND	433
NEW YORK - PITTSBURGH	335
NEW YORK - ROCHESTER	277
NEW YORK - SYRACUSE	193
NEW YORK - WASHINGTON	228
OKLAHOMA CITY - WICHITA	158
PENDLETON - SALT LAKE	495
PHILADELPHIA - PITTSBURGH	258
PHOENIX - LOS ANGELES	369
PITTSBURGH - CLEVELAND	124
PITTSBURGH - INDIANAPOLIS	353
PITTSBURGH - NEW YORK	361
PORTLAND - BANGOR	115
PORTLAND - PENDLETON	185
PORTLAND - THE DALLES	73
PORTLAND - SEATTLE	131
RICHMOND - WASHINGTON	98
ROANOKE - KNOXVILLE	244
SACRAMENTO - SAN FRANCISCO	76
ST. LOUIS - CHICAGO	257
ST. LOUIS - KANSAS CITY	205
ST. LOUIS - MEMPHIS	261
SALT LAKE - BUTTE	379
SALT LAKE - GREAT FALLS	488
SALT LAKE - SACRAMENTO	549
SAN ANTONIO - CORPUS CHRISTI	168
SAN ANTONIO - BIG SPRING	267
SAN ANTONIO - DALLAS	251
SAN ANTONIO - FORT WORTH	258
SAN DIEGO - LOS ANGELES	106
SAN FRANCISCO - PORTLAND	574
SAN FRANCISCO - SALT LAKE	625
SAN FRANCISCO - SEATTLE	705
SEATTLE - SPOKANE	245
SHERIDAN - GREAT FALLS	307
SPOKANE - PENDLETON	161
SPOKANE - SEATTLE	245
TALLAHASSEE - BIRMINGHAM	297
TALLAHASSEE - NEW ORLEANS	363
TAMPA - TALLAHASSEE	225
TULSA - ALBUQUERQUE	629
WASHINGTON - CHARLESTON	267
WASHINGTON - GREENSBORO	271
WASHINGTON - NEW YORK	226
WASHINGTON - PITTSBURGH	190
WASHINGTON - ROANOKE	196
WICHITA - KANSAS CITY	176
WINSLOW - LOS ANGELES	502

N.B. The attempt to superimpose VHF ranges cartographically upon the low frequency system practically nullified the Guide charts for either VHF or LF navigation.

It was decided, therefore, to give the VHF ranges separate coverage. With the Guide's stringent page limitations, separate VHF range charts necessitated the elimination of the Civil Airways and Mileage Charts. Specific flight advisory and traffic control area boundaries and specific fix mileages, however, may still be found on the individual Guide Charts.

It is hoped that the mileages tabulated above facilitate flight planning because the addition of small sector mileages is no longer necessary.

ARMY DATA: Advice covering Army fields or Army operations on civil fields, or Army radio facilities, and also Air National Guard fields and facilities should be forwarded to Commanding General, Air Transport Command, ATTN: Flight Operations Division, A-3. Requests for approval of the closing of Army airfields or restrictions in airfield facilities to transient military aircraft for over 10 days should be forwarded to the same address for submittal to Headquarters Army Air Forces, as required. Restrictions in Air National Guard Fields or facilities will be forwarded to the National Guard Bureau through the State Adjutant General for approval. That Bureau will forward approved restrictions to the above address for publishing. Information to be published will be coordinated and submitted to the Civil Aeronautics Administration.

NAVY DATA: In accordance with Hydrographic Office Memorandum for Aviators No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air/gnd communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25,D.C. for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter No. 96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

✓ CIVIL DATA: The Airman's Guide covers primarily two broad fields of civil airport information, namely so-called permanent data changes and temporary hazardous conditions. Permanent airport data refer to new airports or changes in field layout, servicing, lighting, or permanent obstructions of existing airports. Temporary hazardous conditions refer to conditions that make such airports temporarily unusable or usable only with caution. Such hazardous conditions could be, for example, a field closed because of floods, spring thaws, or construction; or merely a burned-out obstruction light or a runway partially unusable because of construction. Obviously, temporary hazardous conditions should be reported to the aeronautical public at once. The necessity for reporting additional aids or minor changes in existing aids, however, isn't nearly as cogent. In other words, a temporarily closed airport is ordinarily of much more importance from a safety angle than is a new airport, and the aeronautical public should be told about it as expeditiously as possible.

Notamizing of advice covering a field unusable because of flood, or snow, a runway closed because of construction, or the erection of a pole-line in an approach, doesn't necessitate an engineering background on the part of the reporter. Too, safety frequently necessitates the notamizing of such advice before an official check can be made. On the other hand, advice covering permanent airport data changes, such as a new airport, or a lengthened landing strip, or an additional hangar, obviously doesn't require the same expeditious transmission to the aeronautical public, and the data may be checked from an engineering standpoint and for standardization before being publicized.

SUMMATION: (a) Since the aeronautical public should be immediately advised of hazardous conditions, reporters should utilize the CAA Airways Communications Stations The item to be reported, therefore, should either be telephoned or mailed to the nearest communications station for dissemination as a notam and for further transmission to the publishers of the Airman's Guide.

(b) Permanent airport data changes (as differentiated from temporary hazardous conditions) should be reported to the appropriate CAA District Airport Engineer for coordination before they are included in the Airman's Guide.

✓ USE OF AIRPORTS BY MILITARY AIRCRAFT: (1) AAF REGULATION 85-2: The attention of Army clearance personnel and of Army pilots is invited to the provisions of Section III, AAF Regulation 85-2 and AAF Regulation 85-2A, which state in part: "Except for those Army aircraft assigned to civil contractors or agencies under bailment contract, no Army aircraft will utilize civil airports which have not been leased, purchased, or where AP-4 or similar landing rights agreements have not been negotiated by the Government, except in case of emergency or in case of official business. Each instance of flights in AAF aircraft for official business will be covered by competent air force, major air command, or higher authority orders. Each instance of flights for official business in organic aircraft of the Army Ground Forces will be covered by written orders of the commander of the unit to which the aircraft is assigned. These written orders must designate the field of intended landing. Unauthorized use of such airports is a substantiating factor in claims for damage with accompanying requests to the Government to bear maintenance and repair costs or to provide Government equipment at such civil airports. Notation will be made by clearing authorities in Remarks section of AAF Form 23 that competent authority authorizes use of such fields and will be transmitted in Remarks Section of the flight plan as 'authorized flight'. All landings by military aircraft without competent written orders on inactive, temporarily inactive Army airfields and civilian airports, except in case of emergency, will be limited to the ones identified by letters "A, N, NG, or P" in the Airman's Guide. It is the responsibility of the various air forces, major air commands and certain field activities under the direct control of the Commanding General, AAF, to prevent unauthorized use of airfields and airports as outlined in this Regulation".

2. "OFFICIAL BUSINESS" within the meaning of AAF Regulation 85-2 is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units, or organizations at or near the airfield selected for landing for the puspose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintaining flying proficiency are not considered to be official business within the meaning of this regulation.

3. POLICY OF ARMY USE OF TEMPORARILY INACTIVE AIRFIELDS: (a) Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein (directory section only) by the following notice: "ARMY TEMP INACTIVE - CIVIL FACS"
(b) Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned. Such airfields will be identified herein (directory section only) by the following notice: "TEMP INACTIVE. NO FACS.". Above policy statement is not to be construed as countermanding any AAF Regulations or letters governing command use of municipal airports or Army airfields.

4. "CLOSED" ARMY AIRFIELDS: Under the provisions of AAF Regulation 60-23 or under specific direction of the CG, AAF, from time to time certain airfields under the jurisdiction in whole or in part of the Army Air Forces will be listed as "CLOSED": Such as, (a) Fields closed to all transient traffic except on official business or in emergency; (b) Fields that have been declared surplus to the AAF and on which permits have not been issued for civil use or which have not been otherwise disposed of by WAA. The listing "CLOSED" will appear in the directory section only. Airfields so designated will be used on official business only under written orders in each case.

CLEARANCE OF AAF AIRCRAFT: National Guard Units are not authorized to clear AAF aircraft. At bases occupied solely by National Guard, clearance for AAF aircraft will be obtained from Flight Service in accordance with provisions of paragraph 2, AAF Regulation 60-22.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA - Morrison Field, Fla., Washington National Airport, D.C., or Westover Field, Mass. ALASKA - McChord Field, Wash., Great Falls AAF, Mont. BERMUDA - Mitchel Field, N.Y., Morrison Field, Fla.,

Washington National Airport, D.C., or Westover Field, Mass., CANADA - Great Falls AAF, Mont., McChord Field, Wash., Washington National Airport, D.C., Selfridge Field, Mich., or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif., Kelly Field, Tex., or Morrison Field, Florida. CARIBBEAN - Morrison Field, Fla., or Kelly Field, Tex. ENGLAND, GREENLAND, ICELAND, NOVA SCOTIA, NEWFOUNDLAND, AND NORTH IRELAND - Washington National Airport, D.C., or Westover Field, Mass. (Note: Selfridge Field also will clear for Nova Scotia and Newfoundland). HAWAII - Fairfield-Suisun AAF, Calif.

PILOT PROCEDURES WITH FLIGHT SERVICE USING AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): (1) Departure from AAF Bases: No change. References: AAF Regulations 15-23 and 60-22. (2) Departure from non-AAF Bases: AAF aircraft departing from a non-AAF base will file a complete flight plan with, and when necessary, secure approval from, the nearest Flight Service center prior to take-off, or as outlined in AAF Regulation 60-22. Communications with a Flight Service center may be established by direct telephone or by a radio call to the nearest AAF base or AACS airways radio station. After contacting the Flight Service center, and obtaining flight plan approval when necessary, pilots contemplating flight under IFR will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA communications facilities. However, if CAA communications facilities are not available, the CAA clearance may be obtained through Flight Service. (3) Change of Contact Flight Rule (CFR) Flight Plan Enroute: AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACS airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of IFR Flight Plan, or CFR to IFR, or IFR to CFR Enroute: Any AAF aircraft requiring a change of route, altitude, point of first intended landing, cruising speed, or alternate airport, or change from CFR to IFR, or IFR to CFR, enroute will contact a CAA communications station for CAA Airway Traffic Control clearance and Flight Service approval if necessary. Pilots possessing clearance authority must furnish Flight Service their new flight plan. If communication with a CAA communications station cannot be established, an AACS airways radio station will be contacted for coordination between CAA and Flight Service and to obtain CAA Airway Traffic Control clearance and Flight Service approval when necessary. (5) CFR Position Reports: When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS airway radio stations enroute and receive any necessary advisories from Flight Service. One position report each 30 minutes is considered adequate. (6) IFR Position Reports: When flying under IFR conditions, pilots will first make position reports to CAA communications stations as heretofore required by Civil Air Regulations, and then to AACS airways radio stations en route, and receive any pertinent Flight Service advisories. (7) Voice Calls: AACS airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio". (8) RON Messages: At bases not connected with Flight Service centers by military interphone, pilots may file RON messages via long distance telephone to the Flight Service center at the time the arrival report is filed. (9) All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency, and service obtainable. An index of AACS airways stations within the U. S., together with a listing of the assigned frequencies, may be found on pages 94 and 95 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service	
A	116.1 mcs.	CAA AIRWAYS (RANGE STATIONS)	* AACS Airways
B	126.18 mcs.	CONTROL TOWERS	(Plan 62)
C	137.88 mcs.	AACS AIRWAYS (PLAN 62)	* Control Towers
D	140.58 mcs.	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL	

* Available for service indicated on a secondary basis.

(10) It will be some time before all AAF aircraft are equipped for operation on AACS airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt to make position reports to Flight Service as described above. Emergency Flight Service advisories, however, may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS airways frequencies will contact airways station whenever possible rather than AAF control towers. (11) The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA AREA	FLIGHT SERVICE AREA	PHONE NO.
Washington; Pittsburgh; New York; Boston	Olmsted Flight Service Center Middletown, Penna.	Steelton 93387 Steelton 93470
Jacksonville; Miami	MacDill Flight Service Center Tampa, Fla.	Tampa H-4871
Memphis; New Orleans; Atlanta	Maxwell Flight Service Center Montgomery, Ala.	Montgomery LD 89
Cleveland; Cincinnati; Detroit; Chicago; St. Louis	Wright Flight Service Center Dayton, Ohio	Osborn 88691 Osborn 88692
Ft. Worth; San Antonio; part of El Paso	Ft. Worth Flight Service Center** Fort Worth, Tex.	Fort Worth 77251
Denver; Minneapolis; Kansas City	Lowry Flight Service Center Denver, Colo.	Denver LD 116 LD 117
Los Angeles; Albuquerque; part of El Paso	March Flight Service Center** Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland; Salt Lake	Hamilton Flight Service Center Hamilton Field, Calif.	San Rafael 770 San Rafael LD-20
Great Falls; Seattle	McChord Flight Service Center Tacoma, Washington	Tacoma LD-20 Tacoma LD-21

**REVISION OF ARMY FLIGHT SERVICE CENTER AREAS: The boundary between the March and Fort Worth Flight Service Areas has been moved. That part of the El Paso CAA area lying E of the following points now falls within the Fort Worth Flight Service Area; that part lying W within the March Flight Service Area: From 25 miles SE of the Clarendon Range, thence SSW to lat. 33°, long. 101°35', thence W to 33°-104°, thence S to 31°-104°, thence W to the U.S.-Mexican Border at 31°-105°34'

IFR CLEARANCE OF ARMY AIRCRAFT: Except as outlined below, no Army aircraft will be cleared for instrument flight unless such aircraft is equipped with a low frequency radio receiver capable of reception in the 200 to 400 kc. band. The BC-1206 (Detrola) receiver is not considered adequate as regards compliance with this directive. Aircraft not so equipped may be permitted to clear under IFR when the instrument type clearance is necessitated by reduced local visibility caused by fog, smoke, or haze, or when the flight will not be conducted under conditions which will require navigation by radio.

CLEARANCE OF AAF AIRCRAFT IN NEW YORK CITY AREA: In accordance with AAF Letter 63-9 of April 24, 1947, the following instructions will govern the clearance of AAF aircraft to and from the New York City Area (encompassed by a 25-mile radius from the southern tip of Manhattan).

(A) FLIGHTS INTO THE AREA: AAF aircraft flying into the area may be cleared for any authorized field therein, but will in all cases secure in-flight approval from Flight Service by contacting Mitchel Airways prior to proceeding to the field of destination. AAF Form 23 will indicate a flight plan to the field of destination via Mitchel Fld. Mitchel Airways will secure Flight Service approval of further clearance to other fields in the area under the conditions listed below only. If further clearance is refused, aircraft will land at Mitchel Field or at any other authorized field outside the area.
(1) CFR. When the ceiling is at least 2000' and the visibility is 3 miles or more.
(2) IFR (a) When the visibility is not less than 1 mile and the ceiling is unlimited. (b) When the visibility is not less than 2 miles and the ceiling is not less than 5000'.

(B) FLIGHTS OUT OF THE AREA: AAF aircraft departing from the area from fields other than Mitchel will be cleared subject to the conditions listed above for CFR and IFR clearances.

AAF aircraft engaged in regularly scheduled transport flights under the operational control of the Air Transport Command are exempted from the above restrictions.

✓ SELECTION OF WEATHER ALTERNATES BY ARMY PILOTS: In accordance with policy stated by the CG, AAF April 7, 1947, Army pilots are not to be refused IFR clearances because of selection of other than "A, N, NG, or P" fields as an alternate. The selection of an alternate airport is a planned procedure to be resorted to in case of emergency and any suitable airport, military or civilian, will be accepted for clearance purposes. Concerning this policy, it is pointed out that pilots who do utilize other than "A, N, NG, or P" fields under such circumstances may be called upon to justify their use of same.

✓ V.H.F. CHANNEL ASSIGNMENTS:

Following are Army assignments:

Channel	Frequencies
A	116.1
B	126.18
C	137.88
D	140.58
G	137.70
H	134.10
U	108.3
V	108.7
W	109.1

Following are Navy assignments:

Channel	Frequencies
1	116.1
2	142.56
3	126.18
4	128.70
5	143.28
6	134.64
7	143.64
8	142.02
9	142.74
GUARD	140.58

ARMY DISTRESS, AND SEARCH AND RESCUE PROCEDURE: 1. When an aircraft is in distress and the pilot is unable to establish two-way communication on any frequency, he will transmit as follows: "Mayday. Mayday. Mayday. This is Army 1 2 3 4, this is Army 1 2 3 4, this is Army 1 2 3 4, my approximate position is --, Over." Pilot may follow this emergency transmission with any other information he deems necessary. Although Channel "D" (140.58 mcs) has been designated as the joint Army-Navy emergency frequency, the pilot in distress will use any or all frequencies at his disposal. Communication coverage on various frequencies will vary depending upon the location of control tower, airways, VHF/DF, and other radio stations. 2. To request escort by Air Rescue Service rescue plane when two-way communication can be established, aircraft in distress will: (a) Contact Flight Service through nearest AACS airways station. (b) Give position report; if position is not known, request QTF (Fix). (c) Give nature of trouble, also estimated time plane can remain aloft. (d) Follow instructions transmitted by Flight Service. (e) Follow instructions of Air Rescue Service aircraft after contact is accomplished. 3. To report sighting of crashed aircraft: (Note: Previously reported and identified crashes are marked with yellow paint). (a) Contact Flight Service through nearest AACS airways station. (b) Give position of crash. (c) Evidence of survivors, type and number of aircraft (if possible). (d) Follow instructions transmitted by Flight Service. (e) Immediately after landing make a complete report for transmission to the nearest Air Rescue Unit; also notify nearest Army Air Forces installation.

SERVICING FOR ARMY AIRCRAFT: Transient Army servicing is usually available at active Army airfields and, when available, is indicated in the remarks column, data section by an "S" designation (as defined under data legend) and octane ratings of gas are shown. At airports designated by a single (A) in the "Airman's Guide" (joint use with civil interests), Army servicing is available unless remarks column carries "ARMY TEMP INACT-CIVIL FACS." Notation is given in remarks column to servicing available for military aircraft: for example, "91, 100 oct. Army". This may be contract service. As a matter of policy, limited servicing and maintenance will be available to transient military aircraft at Air National Guard Fields (on Form 15). Notation with regard to available facilities will be shown in the remarks column; for example, "91,100 oct. NG". At (P) or civil fields, military servicing or Army contract fuel will not be available; servicing may be secured in emergency only on a Form 15. Army servicing may be procured at Navy fields on a Form 15.

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

OLD PILOT CERTIFICATES MUST BE EXCHANGED: All pilot certificates issued prior to July 1, 1945, will expire July 1, 1947. Such certificates may be exchanged for new-type certificates at any time prior to their expiration date.

PERSONAL POSSESSION OF PILOT CERTIFICATE: No person shall pilot a civil aircraft within the U.S. unless he holds a valid pilot certificate with appropriate ratings issued by the Administrator or an appropriate and valid foreign pilot certificate. Such certificate shall be in the personal possession of the pilot at all times while piloting aircraft and shall be presented for examination to any inspector of the Administration or State or local law enforcement officer upon the request of such inspector or enforcement officer.

NOTICE TO ALL FLYING PERSONNEL: Because of the increase in aircraft operations, both civil and military, in recent months, the number of complaints regarding airplane noise nuisance has reached such proportions that the advancement of aviation and development of new airports are in danger of being severely retarded. To reduce the number of such complaints, it is requested that the following practices be put into effect by all fliers: (1) Discontinue all unnecessary low flying. (2) When weather and traffic volume permit, increase altitudes of all traffic patterns that require flight over inhabited areas. (3) Re-route channels of approach and departure to avoid residential and business districts whenever possible. (4) If the airport is located near inhabited areas, reduce power and increase pitch of propellers as quickly as possible during take-off so as to keep engine and propeller noises at a minimum. (5) Keep rpm's set at a minimum required operational setting when low flying over populated areas is necessary.

RADIO TELEPHONE-OPERATION AUTHORIZATION: This is the simple way in which an authorization to operate a radio telephone transmitter in an aircraft is obtained: the applicant appears in any of the Federal Communications Commission field offices, or before any CAA flight examiner of the CAA, who has been designated by the FCC to issue the permits, proves he is a United States citizen, that he has need of such an authorization, and that he understands the few simple rules and regulations. He is given a card granting the authorization then and there. FCC offices are listed under U.S. Government in phone books, and there are some 30 of them throughout the country. Mostly, they are in downtown offices. There are more than 1,000 CAA designated flight examiners. Mostly they are located at airports. The "examination", if it may be so described, consists of a few questions establishing the ability of the applicant to transmit and understand spoken messages in English, and to understand the simple rules governing the use of such equipment. He is also given simple, printed instructions for its use.

✓ V.H.F. IFR FLIGHTS: Until further notice, Air Traffic Control will be exercised on the assumption that aircraft are utilizing intermediate frequency radio ranges. If a pilot desires to conduct IFR flight using VHF ranges over all or a portion of the route, his flight plan should so indicate. Further, flight should not be conducted on civil airways in IFR weather using VHF ranges unless the ATC clearances so authorize. (See pages 144, 145, 146 for VHF range coverage).

NEW PRIVATE FLIER VHF FREQUENCIES: All CAA Communications Stations and Towers are discontinuing receiving watches on 131.7 mcs. and 131.9 mcs. as new equipment becomes available to guard the new private flier frequencies of 122.1 mcs. for

transmission to CAA Communications Stations and 122.5 mcs for transmission to CAA operated towers. Practically all CAA towers now guard 122.8 mcs. but the communications station program is not fully effective yet because of non-receipt of the new receivers. CAA Communications Stations normally reply to itinerant aircraft on the voice feature of the range, low frequency or VHF, whichever is applicable. Replies are made on 111.1 mcs if VHF reply has been requested on other than range frequency. CAA airport control towers will reply to itinerant aircraft on one of the frequencies 118.3, 118.5, 118.7, or 118.9 mcs. in addition to towers' low frequencies. See individual data pages in the Airman's Guide for inclusion of these frequencies as commissioned.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS: The time of observation for all weather reports is 30 minutes after the hour, unless otherwise announced. Pilots enroute are requested to avoid, if possible, calling airway communications stations at or about 15 and 45 minutes past the hour (which are the scheduled broadcast times) to request weather information, as such calls may delay starting of scheduled broadcasts and cause inconvenience to other persons who are dependent on the broadcasts for weather reports.

RADIOTELEPHONE COMMUNICATIONS: The word ROGER in radiotelephone communications means "I have received all of your last transmission", and its use in any other sense by CAA stations and towers is not authorized. In order to avoid confusion it is suggested that pilots engaging in air-ground contacts also limit the use of ROGER to acknowledgment of transmissions.

INSTRUMENT FLIGHT, NEW YORK METROPOLITAN AREA: Revised arrival, departure, holding instrument approach and control procedures utilizing new radio aids were placed in effect in New York Metropolitan Area. Non air carrier pilots proposing instrument flight through this area or to or from Newark, Mitchel, or La Guardia Fields should write the Chief Controller, New York Air Traffic Control Center, Box 575, La Guardia Field, New York, for copies of applicable Operations Letters describing these procedures.

✓ NON-COMPULSORY REPORTING POINTS: (1) The intersection of the W course of the Los Angeles (LF) Range Station and the SW course of the Burbank Range Station has been designated a non-compulsory reporting point known as "Burbank" (2) The intersection of the N course of Pocatello Range Station and the NW course of the Idaho Falls Range Station has been designated a non-compulsory reporting point known as "Roberts"

✓ AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: Correct "TO-08-15-1", dated April 24, 1947, page 98, by showing an X-band Radar beacon in operation at Jacksonville, Fla.: Location: 30°15'35" N, 81°40'05" W; Code: 3-1; Operating Agency: USCG; Operating hours: Continuous.

WEATHER REPORTING SERVICE

Weather Reporting Location	Type of Report	Lat., Long.	Elev.	Effective Date
Glens Falls, N.Y.(Warren Co.)	Hourly	43-21, 73-37		Reestablished
Sunbury, Pa.	Hourly	40-54, 76-47	458	Reestablished
St. Cloud, Minn.	Raob & Pibal	45-35, 94-11	1043	Begun
Deming, N. M. (AAF)	Supplementary	32-15,107-43	4297	Established
St. Paul, Minn.	Pibal & Raob			Discontinued

NOTE: Airway terminal forecasts now available for LaCrosse, Wisconsin but no longer available for Traverse City and Pellston, Michigan.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc.) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage in the Airman's Guide, full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with 2-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields, and before taxiing and taking off, should be on the alert for and be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest or Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons, indicate suspension of CFR traffic.

AIRPORT AND RADIO NOTICES

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

FOREIGN DATA

SPECIAL NOTICES

FOREIGN ENTRY PROCEDURES, AIRPORTS OF ENTRY, CUSTOMS REPORTS, CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: These procedures and regulations were all incorporated into the Flight Information Manual, Volume-1, No. 2, dated January 1, 1947. Only amendments to the data contained in the Manual will hereafter be carried in the Airman's Guide.

✓ UNITED KINGDOM MILITARY AIR BASE USAGE: The following United Kingdom military air bases are available to civil air carriers of only U.S. and United Kingdom and to aircraft which were purchased in either the United States or the United Kingdom and are in ferry status: (a) For regular use: Kindley Field, Bermuda; Beane Field, St. Lucia; Coolidge Field, Antigua; and Atkinson Field, British Guiana; b) For alternate use: Waller Field, Trinidad; Vernam Field, Jamaica; and Carlsen Field, Trinidad.

Even though the above fields are open to civil air carriers and ferry status planes it is mandatory that the operators of such aircraft secure approval for use of these military air bases from Headquarters AAF, Washington, D.C., prior to the departure of each flight or series of flights.

CAUTION ADVISED IN USE OF GUATEMALA-HONDURAS AREA AERONAUTICAL CHARTS: Flight checks have revealed that elevations indicated on Gulf of Fonseca (710) Aeronautical Chart covering the Guatemala-Honduras-Nicaragua Area, dated Dec. 1946, are as much as 4300 feet too low. This chart base is being thoroughly re-checked and a new chart will be issued as soon as possible.

TRANSMISSION OF INTERNATIONAL NOTAMS: Effective May 10, 1947, the transmission of international notams to Service A circuits by WSY New York was discontinued. Offices desiring receipt of this material should obtain receiving drops on the Service O system.

JUNE 10,1947

INTERNATIONAL RADIOTELETYPE CIRCUITS: Effective May 16, 1947, WFM Lagnes, Azores permanently decommissioned. The following radioteletype circuits are established and in operation at CSY Santa Maria; WSY New York; EIP Shannon; FXO Paris; WFH Port Lyautey. Inter island radioteletype link CSY Santa Maria to WYQY Lagens will be continued until further advised. All above circuits are operating in accordance with ICAO Communications Procedures.

NAVAL COMMUNICATIONS WITH COMMERCIAL AIRCRAFT IN CARIBBEAN AREA: Effective March 24, 1947, and until further notice, San Juan NAS, Trinidad NAS, Guantanamo NAS guard 6515 kcs voice continuously, transmitting and receiving, for communications with commercial aircraft.

AFRICA-Dakar Weather Broadcast: Effective 0820Z GCT, March 24, 1947, station WFG commenced broadcasting Dakar METAR hourly at 20 minutes past each hour on 3285 kcs., A1 emission.

BERMUDA-Somerset NAS Radio Facility: Somerset NAS transmissions, air ground CW 3285 and 6253 kcs., were discontinued April 3, 1947.

BRITISH WEST INDIES-Antigua NAF: The following red obstruction lights have been discontinued at Antigua NAF. Aircraft utility building height 50' two lights. Main supply building height 60' one light. Power house height 40' one light. The following red obstruction lights will be discontinued at sunrise June 1, 1947. Three obstruction lights on water tower, two at 75' level and one at 155' level.

Goat Island, Jamaica Coast Guard Radiobeacon: The Coast Guard Radiobeacon at Goat Island, Jamaica, has been discontinued.

Kingston, Jamaica-Montego Bay Airport: Montego Bay Airport is a British-controlled airport now under limited operation by Pan American Airways. It is necessary for all flights departing from Montego Bay for points in the U.S. to file flight plans with the Kingston ATC through the Kingston Communications Station - call letters MRX. Flight plans also must be filed for all flights departing from U.S. for Montego Bay. They may be filed for transmission to Montego Bay through the CAA-operated Overseas Foreign Aeronautical Communications Station at Miami - call letters WBR, or New Orleans-call letters WEK.

Kingston, Jamaica-Palisadoes Airport Facilities: The Palisadoes Airport is a British Government controlled airport. The Government controlled tower transmits on 397 kcs only, and guards 2870, 3105. and 6210 kcs. It is necessary for all itinerant flights coming to Palisadoes to file Flight Plans from point of departure to the Communication Station at Kingston - call letters MRX. This Flight Plan should be marked for Information: Palisadoes Airway Traffic Control. The route frequency of 6515 kcs A3 emission is guarded at MRX. They have a good signal on this frequency and can be read consistently throughout the day and night in the Caribbean Area. Flight Plans may be filed for transmission to Palisadoes through the CAA operated Overseas Foreign Aeronautical Communications Station, WBR, Miami.

CANADA-Pennfield Ridge, N.B.-Radio: Range courses realigned: 168-A, 273-N, 359-A, 104-N. (5-1)

CUBA-Rancho Boyeros Airport, Havana: Effective May 19, 1947, and until further notice, all aircraft operating into and out of the Rancho Boyeros Airport must file flight plans prior to entering the area. This applies to both IFR and CFR flights. Form of flight plan as follows: Identification; type; route of flight; time of flight departure; time of minutes; altitude; CFR or IFR indicated by C or N respectively and alternate if necessary. Example: NC60459 DC3 Miami Havana 1230 92/60N KW. For trial period and until further advised all flight plans except Expreso and those presently using PAA communications facilities may be forwarded through WBR addressed to OAHAV at no charge.

GREECE-Hassani Airport, Athens Radio Call: Effective April 30, 1947, call sign WWJC replaced Army call sign WUCW on all circuits formerly using call signs at this station.

MEXICO-Mexican Entry Fees: At Mexican Airports of Entry, charges include an overtime fee of 30 pesos after 12 noon for Immigration Inspection and a fee based on a full day's wage for each inspector involved for each 3 hours of overtime or fraction there of after 2 P.M. for a Customs inspection. Charges may also be made for a Customs guard to watch the plane and for the taxi fare to bring inspectors to the field after 12 noon. In American money total fees may approximate $15 to $20.

NEWFOUNDLAND-Military and Naval Landings: All military and naval aircraft landing in Newfoundland should use Harmon Field at Stephenville or Naval Operating Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

PUERTO RICO-San Juan Pre-Flight Clearances: San Juan Civil Air Terminal (U.S. Naval Air Station) Isla Grande Airport, San Juan, P.R. - All civil operations at San Juan Air Terminal were assumed by the Puerto Rico Transportation Authority effective March 4, 1947. Authority must be obtained for landings at this airport prior to the commencement of any flight. Address requests to Airports Division, Box 3508, San Juan, P.R. Cable address is "Autoritan"

San Juan, Losey Field: May 1, 1947, Puerto Rico Transportation Authority took over the operation of Losey Field at Ponce. Operations at this field are restricted except in emergency to the southernmost 150' of the E/W runway - several bad holes on the northern half. NW/SE runway closed. Field available to daylight CFR operations only. (4-25).

San Juan, Caguas: Radio antenna tower under construction unlighted until further notice, height 150', located 1-1/4 miles N of Caguas at latitude 18-15-20 N, longitude 66-1-53 W.

DOMESTIC DATA

[redacted]

ALA-TENN-GA ARPT (BRIDGEPORT)-Ctn in wet weather. (5-22)
ALBERTVILLE ARPT-SW side of strip soft, rough and washing. Soft in spots in wet weather. (4-29)
ALLENPORT (MONTGOMERY)-Muddy after rains. Use with ctn. (5-22)
ATHENS ARPT-Ctn in wet weather. (5-22)
ANDALUSIA ARPT-Bare in spots. Ctn in wet weather. (5-22)
ANNISTON ARPT-Ends of strips soft in wet weather. (4-29)
ATMORE FLYING SERVICE-Soft in wet weather. (5-22)
ATMORE INT, SITE 16, NO-AG-Emerg use only. (5-22)
BARIN NAAS EAST & WEST FLDS (FOLEY)-Closed to trans acft. (5-6)
BATES FLD (MOBILE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (5-16)
BEAVER DAM FLD (DECATUR)-Soft after rainy weather. (5-22)
BIRMINGHAM ARPT-Closed to civil acft not equipped with operating rcvr. No landings on sodded areas. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. (5-20)
BOYKIN FLD (DEMOPOLIS)-Cattle on fld. (5-22)
BREWTON ARPT, new-Cattle on fld. (5-22)
BROOKLEY FLD (MOBILE)-RADIO: Effect. Apr. 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Soft-use rnwys, taxi strips only. (4-23)
**CAMP SIBERT ARPT (GADSDEN)-Will hereafter be carried as Camp Sibert Arpt. (Attalla). See page 116.
CENTRAL PARK ARPT (BIRMINGHAM)-Avail. lgt acft in all weather. (5-22)
CENTRE ARPT-NNW/SSE strip closed. N side E/W strip rough in wet weather. Avail. lgt acft only. (4-29)
CHASTAIN'S ARPT (PRICHARD)-Soft after rains. Shallow dip near center of E/W strip. (5-22)
CRAIG FLD (SELMA)-RADIO: Army DF stn inop. (12-20) FLD: Bndry lgts inop.(5-29)
CULLMAN ARPT-Soft in wet weather. (5-22)
DAVENPORT ARPT (FT. PAYNE)-Muddy in wet weather. S end rough. (5-22)
EUTAW ARPT-Use NW/SE strip only. (4-17)
FAYETTE ARPT-Avail. lgt acft only during wet weather. Trees and fone line at W end (5-22)
FLINT CREEK ARPT (DECATUR)-Soft after rainy weather. (5-22)
GAINESVILLE INT, SITE 55, FV-AG-Emerg. use only. (5-22)
GOODYEAR FLD (GADSDEN)-Soft in wet weather. Safe for lgt acft-land with ctn. (5-22)

[redacted]:GRAGG FLD, SITE 27, PS-TM (CLANTON)-Ctn in wet weather. (5-22)
GREENVILLE ARPT, SITE 24, NO-AG-Soft after rains around arpt circle on N/S strip. (5-22)
GUNTER FLD (MONTGOMERY)-Use rnwys only. Sod areas adj rnwys and taxi strips soft. Use Maxwell Fld for trans svcg. (1-10)
GUNTERSVILLE DAM ARPT-Soft spots at ends. (5-22)
HARTSELLE ARPT-Use W side fld. Avoid E side. E half of strip has small depressions extending from S end for approx 600' toward the N. Small area at SW portion fld soft after rains. (5-22)
HUNTSVILLE ARPT-Sod strip rough at rnwy crossings. Ngt approaches use ctn-hills NE,S,E. (4-29)
JACKSON FLD (LIVINGSTON)-Rolling and slightly rough. Soft spots along N side at SW end. (5-22)
LEGION FLD (MONROEVILLE)-Do not confuse golf course fairways with landing strips. (5-22)
LUVERNE ARPT-Ctn in wet weather. (5-22)
MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi S looks like arpt and lgts give impression of parallel rnwys. (10-17)
McKEE FLD (JACKSON)-Soft after rains. Not licensed. Use at own risk. (5-22)
✦MOBILE-RADIO: Auto. range monitor. sys comm June 5.
MOTON FLD (TUSKEGEE)-Use with ctn in wet weather. Soft and rutted spots along E side. (5-22)
NAPIER FLD (DOTHAN)-Avail. civil. acft in emerg only. Obst lgt atop 175' water tank inop. (1-12)
NORMAN BRIDGE ARPT (MONTGOMERY)-Muddy after rains, but not soft. (5-22)
NORTH SAUTY BASE (SCOTTSBORO)-SSE end soft in wet weather. (5-22)
OAK ARPT (FOLEY)-W end E/W, N end N/S strips soft in wet weather. (5-22)
ONEONTA ARPT-N 800' strip wet, soft and rough. Unserviceable in wet weather. (4-29)
PRYOR FLD (DECATUR)-Rough spots around wind sock, mrkd. (5-22)
ROBERTS FLD (BIRMINGHAM)-S side fld avail. during wet weather. (5-22)
RUSSELL FLD (ALEXANDER CITY)-Washes on S edge near W end E/W strip, mrkd. (5-22)
SCOTTSBORO FLYING SERVICE-Soft in extremely wet weather. Rough spots on SE corner. (5-22)
SOUTHERN AIRMOTIVE ARPT (DOTHAN)-Twr 3/4 mi W. (5-22)
STROTHER FLD (GASTONBURG)-PRIVATE. Cattle on fld. (5-22)
TALLADEGA ARPT-N 700' N/S strip soft in wet weather. (5-22)
VALLEY AIR SERVICE (LANETT)-Soft after rains. (5-22)
VAN DE GRAAFF ARPT, SITE 59, FV-AG-(TUSCALOOSA)-Heavy acft avoid extreme NW and SW corners of fld after heavy rains. (6-3)
WALKER CO. ARPT (JASPER)-Land inside of bndry mrkrs. Avoid new landing strip now being graded. (5-22)
WEEDON FLD (EUFAULA)-Trees in W approach. (5-22)
WINFIELD ARPT-In wet weather avoid S end N/S strip-soft. (5-22)
WOOD-DEARING ARPT (RUSSELLVILLE)-Muddy in wet weather; safe for lgt acft, but land with ctn. (5-22)
[redacted]:ASHFORK INT, SITE 36A, LA-AQ-Center 100' of strips rough, rocky, bal fld hazardous-grass, hills. (3-4)
**CLIFTON-GREENLEE CO. ARPT-Will hereafter be carried as Clifton-Morenci Arpt See pages 102 and 104.
**CONNER ARPT (QUARTZSITE)-Will hereafter be carried as Quartzsite Arpt. See page 100.
**DAVIS-MONTHAN FLD (TUCSON)-Correct letn: lat 32-11-30, long. 110-54-30. See page 102. E fld closed-acft parked on rnwys. Blinding ceilometer W end fld between ends of NW/SE, E/W rnwys. Rnwy 12-30 closed. During time rnwy closed, pilots land at own discretion during high winds; during high winds 20 mph or above fld will be closed to all lgt acft, C-45 or below. Equip. E Rnwy 12-30, 600' S Rnwy 8-26, lgtd. (4-25)

[redacted]:DEEP LAKE INT, SITE 54A, LA-AQ-Avail. emerg use only-soft. (3-4)
DOWNTOWN ARPT (TUCSON)-Rnwy 30 lgtd ngts for 2 weeks per month from 1900 to 2300 for pilot training. Only obst lgts are those in line with lgtd rnwy. All ngt training flights will operate S of arpt. (5-27)
HOLBROOK INT, SITE 51B, LA-AQ-Equip. on fld daylgt hrs. (5-10)
KINGMAN AAF-No inst flights cleared to Kingman. No obst lgts atop Haulpai Mt. (8500' MSL) 11 mi S. (3-10)
LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. No ngt opers. (3-13)
LUKE FLD (PHOENIX)-Traffic direction indicator on second hangar from N inop. Traffic direction indicator S end N/S rnwy free-swinging. (1-7)
NOGALES INTERNATIONAL ARPT-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld avail. cross wind landings. (5-5)
PHOENIX-Inst. train. on Phoenix Range between 5500 and 9500'.
**PRESCOTT, SITE 37, LA-AQ-Type A ben comm May 16, (5-20)
RYAN FLD (TUCSON)-Suitable for landing by all lgt acft up to and including Twin Engine Cessna, AT6, etc. Heavy acft use rnwys in wet weather. (4-28)
**SAFFORD ARPT-Will hereafter be carried as Safford Mun. Arpt. See page 102.
**SAUNDERS, HARRY A. ARPT (ST. JOHNS)-Will hereafter be carried as St. Johns Arpt. See page 80.
SKY HARBOR ARPT (PHOENIX)-Local ngt flying acft must be equipped with 2-way rdo. Equip. near Rnwy 12. Installation of ILS in progress off end of Rnwys 26 and 8. (5-25)
**SMILEY FLD (WELLTON)-ABANDONED.
THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft)
TUCSON ARPT-Soon fld will not be lgtd. Acft desiring to use fld after dark shall give 2 hrs advance notice in order that lgts may be turned on. (5-8)
**WICKERSHAM ARPT (SAFFORD)-Will hereafter be carried as Safford Arpt. See page 102.
**WILLCOX ARPT-ABANDONED.
**WILLIAMS FLD (CHANDLER)-Ben, obst, ramp flood and rnwy etc lgts avail. (5-21) See page 102. Use rnwys only.
WINSLOW-RADIO: Soon VARW fac will be comm at lat 35-03-29, long. 110-47-46. Freq. 108.7 mcs. Ident. "WO". Visual courses: 21°, 201°; aural courses: 111°, 291°. Voice fac will be added at a later date. (5-24). This corrects AIRGI, Vol. 2, No. 4.
WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed (flood damage). Equip. on fld days. (5-27)
★YUMA-RADIO: Adtnl voice fac comm on 111.1 mcs. (5-29)
**YUMA COUNTY ARPT-Formerly carried as Fly Fld. (5-28). See page 100. Parking rstd to W side fld. (5-28)
[redacted]:BIGGERS ARPT-Use strips only-cattle on fld. (4-25)
EL DORADO-RADIO: Ctn - VHF range unmonitored. (4-10)
EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg only. (1-10)
ERWIN FLD (NEWPORT)-Use rnwys only-cattle on fld. (4-25)
FORT SMITH ARPT-Taxi strips connecting E/W rnwy with Admin Bldg closed to all acft of 5000 lbs or more. W end NE/SW rnwy from intersection W closed, mrkd. Bndry lgts this area inop. (4-6)
GRIDER FLD (PINE BLUFF)-Closed ngts. (3-11)
HOPE ARPT-Use rnwys only. (4-9)
HOT SPRINGS MEMORIAL FLD-Use ctn when landing and taking off. Soft sod in wet weather. (5-15)
**J.B. WILSON ARPT (JOINER)-ABANDONED. (5-23)
JONESBORO ARPT-Use rnwys, taxi strips only. (1-10)
LEVEE FLD (WEST MEMPHIS)-Ctn when wet. (9-23)
★LITTLE ROCK-RADIO: May 29, NE course realigned to 209°. (5-20). Rng flgt-checked, courses correctly aligned. Stn guards 3117.5 kcs 2200 to 0600.
LUXORA INT, SITE 39, NO-LS-30' unlgtd pole line being erected S end N/S rnwy. (9-27)

[redacted]:MANILA ARPT (BLYTHEVILLE)-Use SW quarter of fld only. (4-25)
McGEHEE ARPT-Cattle on fld intermittently. (9-6)
MILLTOWN ARPT (NEWPORT)-Use rnwys only-cattle on fld. (4-25)
**OZARK SKY RANCH ARPT (EUREKA SPRINGS)-Will hereafter be carried as Eureka Springs Arpt. See page 88.
PINE BLUFF-RADIO: Ctn - VHF range unmonitored. (4-10)
PRAIRIEVILLE ARPT (STUTTGART)-Ctn on taxiways.
THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only, fld soft and rough. (3-17)
**TUCKER FLD (HUGHES)-ABANDONED. (5-23)
WALCOTT FLD NO. 3 (WALNUT RIDGE)-Use rnwys only-cattle on fld. Soft-heavy acft use ctn.(4-25)
★WALNUT RIDGE-RADIO: May 28, N and S courses realigned to 200° 20° respectively. Rng flgt-checked June 2, courses correctly aligned.
WALNUT RIDGE ARPT-Acft parked on all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0800. NE/SW rnwy closed. (3-17)
[redacted]:ALAMEDA NAS-Maintain high approach on Rnwys 26L and 21. Heavy acft parked these areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility. Equip. adj to and on rnwys. Fld on positive control. (4-16)
**AMERICAN LEGION ARPT (SALINAS)-ABANDONED.
ARCATA-RADIO: Effect June 10, range will be shut down until June 15 to change the freq to 209 kcs. (6-6). These data rcvd too late for Ⓡ symbol.
**AUBURN PEAK, BCN SITE 103 mi. Blinker, SF-SL-Discont. (6-4)
BAKERSFIELD-KERN CO. ARPT-Unlgtd 92' pwr line 1/2 mi N of bndry. (2-21)
**BALDWIN FLD (CORCORAN)-Formerly Harvey Fld. (10-12). See page 76.
**BAY MEADOWS ARPT (SAN MATEO)-No lgts. See page 74. Const on rnwys and taxiways until approx June 15. Rnwy 31 usable in all weather for acft up to 10,000 lbs. Taxiways should be used with ctn during winter months. When taking off on Rnwy 31, make a climbing turn of 45° to the right after crossing 19th Ave., but not lower than 200'. When landing acft turn off rnwy toward nearest taxi strip. No taxiing back on rnwy. (5-19)
BLYTHE AAF-Obst lgts atop control twr inop. (2-28)
BORDERLAND FLD (SAN YSIDRO)-Target drone Unit 36 conducting flights between 0900 and 1600. (1-21)
**BOSTON LAND CO. ARPT (WESTHAVEN)-ABANDONED.
BRAWLEY ARPT-Holes in extreme NW corner fld. (1-10)
BRESSON ARPK (BLYTHE)-Soft spot W side N/S strip. (5-30)
BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs).
BURBANK-LOCKHEED AIR TERMINAL-Right traffic Rnwys 7,15; left traffic Rnwys 25, 33. Approach lgts Rnwy 7 changed to red. 2-way rdo rqrd all acft. Rnwy 13-31 closed (parked acft). (4-29)
**CAL-AERO FLD (CHINO)-Formerly carried under Ontario. Lat 33-58-15, long. 117-38-30. See page 138. Use rnwys only-parked acft. (3-24)
CAMARILLO-VENTURA CO. ARPT-Use rnwys, shoulders only. Taxiways and bldg area closed. (4-28)
CANNON FLD (FRESNO)-Will be perm closed soon. (4-3)
CASTLE FLD (MERCED)-No opers office. (3-24)
CATALINA ARPT (AVALON)-Private arpt. Scheduled Airline opers only. Use by acft other than UAL absolutely prohibited. (3-20)
CLEAR LAKE SEAPLANE BASE-Avail. in emerg only. (6-11)
COALINGA ARPT-NW 1500' NW/SE strip rutted. Shoulder adj to inside of strip avail. for taxiing. Left traffic at 500'. (5-20)
COMMERCIAL ARPT (LOMPOC)-Strips unusable. (5-30)
COMPTON CENTRAL ARPT (COMPTON)-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (1-21)
CORCORAN-135' unlgtd twr being const adj Santa Fe Railroad, downtown Corcoran Upon completion will be 148' high and lgtd.

[redacted]:**CORNELL ARPT (PORTERVILLE)-ABANDONED.
COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (2-27)
CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs)
DAGGETT INT, SITE 13, LA-AQ-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. Areas immediately outside bndry lgts utilized for sto. Remain on rnwys unless in vcnty of bldgs N of intersection Rnwys 3,7. (3-13)
DEATH VALLEY NATIONAL MONUMENT (FURNACE CREEK)-All traffic away from mountain site of strips regardless of wind. (5-21)
DEL MAR ARPT-Right traffic at 800' with prevailing westerly winds. (5-21)
**DELANO-KERN CO. ARPT-Formerly carried as Delano Arpt. See page 76.
DESERT CENTER INT, SITE 17, LA-PH-E/W strip emerg use only. (3-31)
EL CAJON ARPT-Right traffic when landing and taking off to the E. (3-26)
EL CENTRO NAS-Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. Tetrahedron lgtd all times. (5-22)
FAIRFIELD-SUISUN AAF-RADIO: Army rng unreliable, use for homing only.(3-13) Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: First 1000' Rnwy 25 open to acft days and CFR opers only. (3-13)
FILLMORE ARPT-Private fld. Acft parked adj to strip. Expected to be open to public soon. (3-20)
**FORT ORD-Large over-water danger area in Monterey Bay has been discont.
GILLESPIE ARPT (EL CAJON)-Use E/W rnwy only. Right traffic when landing and taking off to the W. (3-26)
GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. Closed ngts (lgts inop). (1-28)
HAMILTON FLD (SAN RAFAEL)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Exten to Rnwy 12 closed except in emerg. (10-18)
HARMON FLD (HEMET)-Traffic pattern 2200' indicated or 600' above ground. Left traffic when landing or taking off to the NE-right when landing or taking off to the SW. All flying under supervision of arpt manager at all times. (3-19)
HASTER FARM OLF (GARDEN GROVE)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF BUS. Use Los Angeles Arpt. (3-26)
HOBERT ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)
HOLTVILLE ARPT-Closed-emerg use only.
HORSE FARM OLF (LOS ALAMITOS)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
HUGHES ARPT (CULVER CITY)-Closed to public use except in emerg. (5-2)
HUMBOLDT CO. ARPT (EUREKA)-25' telephone wires NW end NW/SE rnwy, 100' back from end of rnwy. Right traffic pattern. (5-5)
INYOKERN-RADIO: About June 17, a Navy MRLWZ rng will be comm at lat 35-44-30, long. 117-40-30. Freq. 323 kcs. Ident. "GIK". Courses: 74°,169°, 254°, 349°. Bear. and dist, stn to Armitage Fld: 349°, 4.1 mi. Fac will oper cont. FM's will be comm on the E course, 75°, 6.7 mi, ident one dash; on the S course, 164°, 4.1 mi, ident two dashes. (6-5)
LINDBERGH FLD (SAN DIEGO)-Acft departing for or arriving from Mexico land at Lindbergh Fld for customs clearance. (1-29)
LIVERMORE OLF-Avail. emerg use only. (10-1)
LIVERMORE SKY RANCH ARPT-Avail. lgt acft only, except in emerg. (2-18)
LOCKHEED AIR TERMINAL-See Burbank.
*LODI ARPT-Formerly Kingsbury Fld. (12-13). See page 72.
LONG BEACH ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (3-20). FLD: Ltd maintenance and only 100 oct avail. Army acft. (2-28)

[redacted]:LOS ALAMITOS NAS (LONG BEACH)-Closed 1630 to 0800 except in emerg or by prior arrangement. (4-9)
LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl area from 2000 to 2300 daily. (7-26)
LOS ANGELES ARPT-RADIO: Loclr and glide path of CAA ILS shut down for const. Outer mrkr inop being relctd 6 mi from end of Rnwy 25. Middle mrkr will soon be relctd 0.64 mi from end of Rnwy 25. FLD: Ctn approach to Rnwy 29-two 25' poles at arpt bndry within this approach zone, unmrkd, unlgtd. Parked acft within approach zone to and parallel with S side Rnwy 29. Unlgtd oil derricks on approach to Rnwy 34. E/W paved strip S side fld avail..taxiing only. N side fld under const. Equip. on fld. All landings, take-offs and taxiing rstd to paved areas. Rnwy 4-22 closed. Unlgtd 40' pole 350' S of twr. Unlgtd 25' bldg 1030' W Rnwy 7R. (6-2)
LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs advance notice should be given if possible. (7-1)
MACHADO ARPT (SANTA MARIA)-Use strips only. (2-23)
MARCH FLD (RIVERSIDE)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 7-25 closed-avail. on twr permission only. (1-8)
MARTINEZ ARPK-Unusable during rainy weather. (5-26)
MATHER FLD (SACRAMENTO)-Use rnwys only-mat unserviceable. (1-29)
McCLELLAN FLD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders,unsurfaced areas unsafe. (4-23)
MERCED MUN. ARPT-Daylgt oper of bcn is to warn local and trans acft of approaching airline acft. (3-23)
MILE SQUARE FARM OLF (SANTA ANA)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
✈MIRAMAR MCAS (SAN DIEGO)-RADIO: Navy twr now transmits on 239 kcs., 142.74 mcs. (6-4)
MODESTO ARPT-Range lgts being installed across rnwy ends. Const and soft spots mrkd. (3-28)
MOFFETT NAS-LTA (MOUNTAIN VIEW)-Fld on positive control. Multi-engine acft above JRB class use Rnwy 14L-32R only, except in emerg. (12-20)
MOJAVE NAS-Closed to all acft except on off. bus. (5-21)
MONACHE MEADOW LANDING STRIP (OLANCHA)-Strip maintenance uncertain-etn. (3-30)
**MONTEREY-Two circular danger areas approx 8 mi and 14 mi NE have been discont.
MONTEREY PENINSULA ARPT-Right traffic Rnwys 24,28;left Rnwys 6,10. (5-20)
MUROC AAF-RADIO: Army range unreliable and to be used for homing and training purposes only. (2-18). FLD: Lctd within a danger area. No facs 1900 to 0700 or Suns Closed to all trans acft except on written permission Commanding General, Air Materiel Command. Acft will not carry trans passengers to this fld. (3-7)
NEEDLES-RADIO: Rng flgt-checked June 2, courses correctly aligned.
✈NEWHALL-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. (5-27). Courses gnd checked only.
NEWHALL INT, SITE 3A, LA-SF-No fuel. (5-30)
OAKLAND ARPT-Rock surface area adj to Rnwy 27R avail. small acft. Adhere to instructions issued by twr. Maintenance facs avail. 0800 to 1800. Closed to acft not equipped with 2-way rdo except acft may land for repairs or fuel without rdo on permission from arpt supt. Rnwy 6-24 avail. lgt acft only. Taxiway leading from Rnwy 33 to Navy ramp closed. Equip. on E/W taxiways and parking apron sealing expansion joints. Heavy acft use rnwys, taxi strips only. Arpt channel unmrkd day, ngt. (5-13)
**O'BRIEN, BCN SITE 21B, SF-SA-Discont. (5-26)
O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only, muddy when wet. (5-19)
OXNARD-VENTURA CO. ARPT-Bndry lgts inop. Const, equip. on fld days. Use

[redacted] rnwys, taxiways only. (4-28)
PALM SPRINGS ARPT-Right traffic, all take offs and landings on Rnwys 31,35. Rnwys 13, 17 usual left. (5-17)
**PLUMAS CO. ARPT (BECKWOURTH)-Formerly carried as Beckwourth Arpt. See page 20. Soft, rough during winter. (2-17)
✈RED BLUFF-RADIO: Adtnl VHF voice fac comm on 111.1 mcs. These data rcvd too late for chart and data page.
**REDDING ARPT-No lgts. (6-2). See page 20.
**REDWOOD FLD (ARCATA)-Formerly carried as Arcata Arpt. (9-20). See page 20. Closed to acft without 2-way rdo. Use surfaced areas only. (3-25)
**ROCKLIN, BCN SITE 93 MI BLINKER, SF-SL-Discont. (5-26)
SACRAMENTO-RADIO: Courses aligned by gnd check only. (5-26)
SACRAMENTO ARPT-Use rnwys, taxi strips only-shoulders and fld soft. Unsafe small acft-rough. (2-21)
**SAGE, BCN SITE 114 MI. BLINKER, SF-SL-Discont. (5-26)
SAN CLEMENTE ISLAND OLF-Closed except in emerg. (6-3)
SAN DIEGO-Night fighter train. being conducted within the following described areas: (a) A sector of a circle with radius of 40 mi. centered at lat 32-54-30, long. 117-07-24, extending clockwise between lat 32-20-00, long. 117-03-20 and lat 33-18-20, long. 117-37-30, excluding those portions which lie within the confines of civil airways and S of the U.S.-Mexico bndry. (b) A sector of a circle with radius of 40 mi centered at lat 32-54-30, long. 117-07-24, extending clockwise between lat 33-23-30, long. 117-29-30 and lat 32-50-30, long. 116-26-30 excluding those portions which lie within the confines of civil airways,
SAN DIEGO NAS-Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing thru Point Love (black and orange checkered floating pyramid) unless directed by twr. Point Love (black and orange checkered floating pyramid) is lctd 1-1/2 mi S of Hotel Del Coronado. Acft crossing air traffic lanes at North Island must be above 1500'. Acft will not fly over Coronado or Amphibous Train. Base at an alt of less than 5100'. Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (6-3)
SAN FRANCISCO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-3) About Aug 1, CAA ILS will be comm serving E/W rnwy with approach from E. Loclr freq 109.5 mcs with ident. "SF" transmitter lctd 220' from W end of E/W rnwy. Glide path freq 332.6 mcs, transmitter lctd 550' from E end E/W rnwy and 625' N of rnwy centerline. Outer mrkr will be lctd 6.6 mi from E end of E/W rnwy, keyed 2 dashes per second, inner mrkr will be lctd 4550' from E end of E/W rnwy, keyed with alt dots and dashes. No bndry mrkr. Will oper cont. (5-14). This corrects AIRGI Vol. 2, No. 4. FLD: Avoid rnwy, taxiway shoulders. Turf area closed, unmrkd hazards. Use rnwys, taxiways. Equip. extreme E end Rnwy 10-28. E 2000' Rnwy 10-28 closed for landing acft days only. (6-2)
SAN FRANCISCO CGAS-Seaplane harbor, channel and landing area unmarked day or ngt. Facs avail. but unmrkd. Seaplanes landing can be taken care of either at Coast Guard or PAA. (3-22)
SAN MATEO ARPT-Avail. lgt acft only-const. (2-24)
SAN NICOLAS ISLAND OLF-Use in emerg only (caretaker status-no facs)
SANTA BARBARA ARPT-Equip. on fld. Closed to glider opers. Bcn inop. (6-3)
SANTA MONICA ARPT-CLOVER FLD-Avail. trans acft with 2-way rdo. Closed ngts and to all student pilots. (5-6)
SAUSALITO-RADIO: FM will be decomm soon. (5-19)
SHASTA SKY RANCH ARPT (FALL RIVER MILLS)-Approx 1/3 of the main strip has been gravelled and should be used during the winter months. Medium and large acft avoid during the spring thaw. (5-26)
SHERMAN FLD (WALNUT CREEK)-NW/SE strip closed until July 1. Equip. adj to NNE/SSW strip. (5-6)
SHERWOOD FLD (PASO ROBLES)-40' unlgtd wires E end E/W strip. (3-17)
STOCKTON ARPT-Rnwy 4-22 closed. Taxi lgts inop. No 100 oct. Single ended bcn operating without course lgts. (5-11)

[redacted]: SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer NAAS Ream Fld. No communications at landing strip.(12-5)
TEMPLETON MEADOW FLD (OLANCHA)-Unusable. (5-30)
TRONA-RADIO-About June 17, SMRAWZ fac will be discont. (6-5)
TRONA ARPT-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (3-7)
TUNNEL LANDING STRIP (OLANCHA)-Strip maintenance uncertain-ctn. (5-30)
VAN NUYS METROPOLITAN ARPT-Avail. civil acft providing they have off. bus. with one of the acft companies lctd on fld. Acft without radio may enter providing previous arrangements have been made with twr. (12-5)
VERNALIS FLD-CLOSED. (1-14)
VICTORVILLE AAF-Use Rnwys 16L-34R, 7R-25L, 3R-21L only. (5-13)
VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (3-25)
WARM SPRINGS ARPT-Heavy acft avoid fld during rainy weather. Glide opers with plane and auto tows. Tall grass and equip. on fld. (3-14)
[redacted]: **BRIDGES ARPT (LA JUNTA)-Formerly La Junta Bridges Arpt.See page 82.
BUCKLEY FLD (DENVER)-RADIO: 126.18 mc transmitter temp inop. (4-7)
FLD: No lgts, messing, transportation or lodging facs. (4-5)
CRESS FLD (WESTCLIFFE)-Use rnwys only. (2-19)
FLAGLER ARPT-Avail. ski-equipped acft after heavy snows. (2-19)
FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwer line being const 200' S of N/S rnwy. (9-29)
LOWRY FLD (DENVER)-Equip. on fld. 0800 to 1700 Mon. thru Fri. (4-11)
PINE VALLEY ARPT (COLORADO SPRINGS)-All rnwys avail. between mrkrs only. Use rnwys only. (4-23)
PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat. 38-17-28; S by lat 38-16-19; W by long. 104-18-38; E by long. 104-17-40.
PUEBLO ARPT-Rot. bcn atop hangar when lgtd indicates fld closed except to scheduled air-carrier acft. NW-SE rnwy unlgtd. NE end NE/SW rnwy designated as calm wind rnwy. Tetrahedron modified to automatically choose the calm wind rnwy when wind velocity below 7 mph. All acft land, take-off according to the tetrahedron. (3-24)
RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (1-17)
ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (fone lines). (5-14)
RUSTON FLD (DENVER)-Strips soft during wet weather. NE/SW strip closed. (6-6)
RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.
SKY RANCH ARPT (DENVER)-Right traffic Rnwys 26,30,36; left traffic Rnwys 8,12, 18. Traffic controlled by tetrahedron. Avail. CFR oper days only. (3-27)
STAPLETON ARFLD-DENVER ARPT (DENVER)-Neon approach lane NE/SW rnwy inop. (5-27)
TRINIDAD ARPT-Strips avail. lgt acft. (2-21)
WALKER FLD (GRAND JUNCTION)-Heavy acft use rnwys only. (5-29)
[redacted]: BRAINARD FLD (HARTFORD)-Equip. on fld intermittently. 300' bldg under const 1-1/2 mi NW fld bndry, close to NW leg Hartford range. Flood lgts N end N/S rnwy inop. 11 street lgt poles erected W side fld, unlgtd. Lgts approx 12' below top of poles. (6-2)
BRIDGEPORT ARPT-Use rnwys only. Will be closed to all flight opers except emerg from 1100 to 1530, June 21. (5-20)
BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans student pilots. Const N and S ends of fld and on taxiway between fld and shop.(4-21)
DANBURY-SPECIAL NOTICE: Danbury Fair Inc. operating a search lgt at Danbury Speedways every Sat ngt throughout the summer season. (5-27)
HAMMONASSET FLYING FLD (MADISON)-Use NE/SW strip. E/W strip avail. in emerg only (bldgs, hedges on W bndry)(5-5)
HARTFORD-RADIO: Auto. range monitor. sys inop. (9-30)
[redacted]: KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only.(4-21)
NEW HAVEN ARPT-Avail days only. Use rnwys only. No local take-offs or landings during airline arvls and dptrs when signalman stationed at approach end of rnwy being used, displaying red flag. (4-21)
RENTSCHLER FLD (EAST HARTFORD)-Pile driver moored in Conn. River with obst lgts 130' MSL, 1/2 mi SW fld. (6-2)
SOUTHINGTON ARPT-Right traffic when taking off and landing to the E and SE. (4-26)
STEPHENSON ARPT (BRISTOL)-S 350' N/S strip being graded. Equip. and rough area mrkd, bal rnwy avail. lgt acft. (4-21)
**TRUMBULL FLD (GROTON)-Formerly carried as Groton Trumbull Fld. (1-23) See page 54. Water twr being const atop hill 1 mi NW. 107' derrick being used during const, unlgtd. (5-19)
WATERBURY ARPT (PLYMOUTH)-Muddy with scattered puddles-avail. with ctn. (3-11)
[redacted]: NEW CASTLE CO. ARPT (WILMINGTON)-Use rnwys only.Equip. on fld days. (3-14)
[redacted]: SPECIAL NOTICE: See item under Alexandria Arpt, Va.
SPECIAL NOTICE: The Administrator of CAA has designated the Mt. Vernon National Monument a congested area. In accordance with CAR 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat 38-42-40, long. 77-05-30
SPECIAL NOTICE-TELEVISION TWR 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL AIRPORT, LAT 38-53-46, LONG. 77-08-05. (3-22)
ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of 2 hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd. (7-12)
BOLLING FLD (WASHINGTON)-Rnwys 10-28, 14-32 closed. Rnwy 17-35 closed to acft when weather minimums below ctc flight minimums. Rnwy 2-20 avail. (5-12)
WASHINGTON NATIONAL ARPT-RADIO: GCA will be in oper effect June 1, 24 hrs daily for pilot training only during CFR weather conditions and when approach control is not in oper. Only 1 acft can be handled at a time due to shortage of control personnel. GCA not avail. for emerg use. Contact twr for GCA working freq. (5-30) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. Following instrument landing minimums have been estab. for all Army traffic except scheduled ATC flights. Day and night: Form 8 white card holder 800' and 1 mile. Form 8A green card holder - 500' and 1 mile. Army acft landing this arpt will not use B channel VHF to ctc twr for landing and take-off instructions. B channel VHF will be used in case of emerg only. (1-16) FLD: 315' twr Rdo Stn WOOK under const 7 mi NNE (10° true). (4-16) ARMY: Use of this arpt by Army acft is prohibited except for: (a) Scheduled ATC traffic. (b) Landings and take-offs necessary for overseas flights using customs and immigration clearance facs of aerial port of embarkation. (c) Flights transporting VIP and General Officers above grade of Maj. Gen, as well as officials in similar or corresponding category of executive branches of Gov't who may be using Army acft. Army acft authorized above to use arpt will be manned by fully competent crews who are well versed in air traffic control procedures peculiar to Washington Area. Army acft landing this fld should taxi to new ATC Terminal Bldg N of of Admin Bldg. NAVY: Closed to Navy acft except NATS. Use Anacostia NAS. In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. GENERAL: Closed to acft without rdo. Stay on paved areas-shoulders soft. Equip. on fld. Parking area ltd-turf soft. At times pilots of private acft will be unable to secure parking space. Lgtd trailer 500' W of centerline of N/S rnwy at N end. (2-15)
[redacted]: ALBERT WHITTED ARPT (ST; PETERSBURG)-Use rnwys only-soft shoulders. Stacks 1/4 mi SW. (4-26)
AVIATION CENTER ARPT (LEESBURG)-Use rnwys only-sand soft. (5-22)
BANANA RIVER NAS RADIO: Navy exper VHF rnwy localizers and various types of ILS oper intermittently day, ngt. Navy exper rdo bcn, 414 kcs, ident.

FLORIDA: "BR", A-2 and A-3 emission, oper intermittently, day, ngt. (3-27)
FLD: Range, port flood lgts. (5-7) Exper flights conducted down to weather minimums of 300' ceiling and 1 mi visibility with ATC clearances. Heavy training traffic in both land and seaplane areas, day and ngt week days only. All civil acft warned to stay clear of air space reservation which includes area 20 mi radius from the NAS. (3-12)
BANANA RIVER NAS SEAPLANE BASE-Seaplane landing area avail. W of stn on Banana River. Wind line consisting of 5 green lgts on lctn in center of area ngts when training is scheduled. Avail. at all other times on one hrs notice. (4-10)
BOCA RATON AAF-Closed to all trans mil acft on off. bus. or in emerg. Port flood lgts avail. on 15 minutes notice. Stay on rnwys-shoulders soft. (6-9)
BRONSON FLD NAAS (PENSACOLA)-Inactive-no facs(4-9)
BROWN FLD (MIAMI)-N/S, NW/SE rnwys under const. (5-18)
BUNNELL ARPT-Cattle on fld. (5-19)
CANNON MILLS ARPT (ORLANDO)-N,NE,NW E use right traffic. S,SW,SE,W use left traffic. (5-27)
CECIL NAAS (JACKSONVILLE)-Equip. on fld. (5-19)
CEDAR KEYS ARPT-Use rnwys only. (5-19)
CHAPMAN FLD (MIAMI)-Closed to trans acft ngts. (1-29)
CITY AIR PARK ARPT (PANAMA CITY)-NE/SW strip under const. Not to be used except in extreme high wind (short, wires at NE end)(1-6)
**CRAIG FLD (JACKSONVILLE)-200' twr of Rdo Stn WJLB lctd 7 mi SE (120°true) at lat 30-17-36, long. 81-24-32, obst lgtd. (5-15)
DALE MABRY FLD (TALLAHASSEE)-26' unlgtd bldg 900' NW of NW end NW/SE rnwy. Observe twr E side fld for lgt signals. Bcn atop water tank S of fld inop. Unlgtd hangar N side fld. (5-7)
**DAYTONA BEACH ARPT-347' twr FM rdo stn WNDB erected 2.5 mi NE (45°true) at lat 29-12-28, long. 81-01-07 obst lgtd. (5-9) Lgtd tetrahedron S side fld inop. Use lgtd wind tee SE of Admin Bldg. (5-8)
DINNER KEY CGAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10)
DREW FLD (TAMPA)-Use rnwys only. Equip. on fld days. Avail. to rdo rcvr equipped acft tuned to twr freq. (5-19)
EGLIN FLD (VALPARISO)-RADIO: Army ILS to be reactivated soon. (3-18)
FLD: Acft approaching fld will enter area along right edge of S leg Crestview Rng. (1)-Acft on CFR will fly 3000' or 500' below the ceiling, whichever is lower, until cleared by Eglin Twr. (2)-Acft on IFR will center at last assigned airways cruising alt and ctc Eglin Twr for let-down instructions. Exten const. (10-29)
ELLYSON NAAS (PENSACOLA)-Inactive-no facs. (4-9)
GILBERT FLD (WINTER HAVEN)-Use rnwys only. (4-17)
HIDDEN ACRES ARPT (CLARCONA)-E/W strip avail lgt acft. (1-20)
HILLSBOROUGH ARPT (TAMPA)-E/W rnwy avail. lgt acft only. Sinkhole 100' E of intersection filled with sand. Other rnwys and taxiways usable. (5-19)
HOMESTEAD ARPT-Landing fee all acft. (3-12)
JACKSONVILLE ARPT NO. 1-Operating of private acft between sunset and sunrise rstd to acft equipped with functioning rdo transmitter and rcvr. Between sunrise and sunset such acft shall be equipped with at least functioning rdo rcvr unless exceptions granted by Chief Arpt Traffic Controller. (3-25)
JACKSONVILLE NAS-Trans seaplane acft desiring ngt facs must notify Jacksonville NAS 12 hrs in advance. (5-22)
JASPER ARPT-Cattle on fld. (5-19)
KEY WEST NAS-Closed between sunset and 0730 except by prior notification or in emerg. (2-4)
KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT; (4-10)
LAKE BUTLER OLF-Cattle on rnwys. (5-22)
LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500'. Prevailing wind E to SE. (1-22)
LEESBURG AVIATION CENTER(LEESBURG)-Use rnwys only. (3-18)
**LIVE OAK ARPT-ABANDONED (5-28). See page 132.

FLORIDA-MacDILL FLD (TAMPA)-RADIO: Army ILS fac glide path and lclsr inop (6-5) Effect.Apr.25,oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwys 4-22,13-31,18-36 avail. Rnwy 18-36 clsd ngts. GCA equip 3000' from end Rnwy 22R,lgtd. Rnwy 4R-22L closed. (5-21)
MARIANNA ARPT-All rnwys usable days.NW-SE taxiway blkd by Gov't vehicles. Use rnwys only. (1-23)
MASTER NAS (MIAMI)-Clsd 30 min. after sunset until 0700. Extreme ctn-heavy traffic. Northernmost E/W rnwy closed (equip.,parked acft)(1-8)
MAYPORT CGAS-Closed to all traffic except Air Sea Rescue and emerg landings (caretaker status-no facs).Rnwys 32,36 under const-closed. (3-11)
MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks 400' E of S end Rnwy 4-22.(4-17)
MIAMI-RADIO: Federal Communication Comm. Fld Unit Direction Finding Aids inop (being relctd. (5-5)
MIAMI INTERNAT'L ARPT-AAF-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-25). FLD: Domestic non-sched. acft taxi to old Army Term. Bldg SE side fld upon arvl and prior to dptr and register with Ramp Supervisor. Sched. air-carriers and Internat'l Acft requiring immigration and customs svc use 36th St. Term. Trans Internat'l pilots advise twr before landing. Use rnwys only. Equip. on fld intermittently, days. Obst lgts on p-lines adj Seaboard Airline R.R. Shops between N & S fld inop. All acft landing on E/W or N/S rnwys maintain sufficient alt to clear vehicular traffic on 36th St. and LeJeune Rd. No JP-1 fuel. Const until June 30 in grass area between Term. and W hangar ramps and E/W rnwy in N fld. Area mrkd and lgtd. (5-26)
MIAMI NAS-Acft remain on N leg Miami Range for distance of 25 mi N of rng stn when passing Miami NAS. Stay clear of NW corner fld-fighter train.break-up area. Acft practicing touch and go landings ngts. Closed sunset to 0700. (11-15)
MORRISON FLD (WEST PALM BEACH)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Glide path transmitter of Army ILS being moved to lctn 1100' E of W end E/W rnwy, 400' S of centerline. Middle mrkr ident. being changed to alternate dots and dashes. (3-17)
ORLANDO-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. (5-26)
ORLANDO AVIA; CO; CLUB ARPT-Land to the N,take-off to the S.Pwr line N.(5-19)
PAGE FLD (FT MYERS)-NW/SE rnwy lgts inop. (5-1)
**PENSACOLA ARPT-195' twr Pensacola State Hwy Patrol rdo stn 3.5 mi SW (233° true) at lat 30-26-30, long. 87-14-09 erected and lgtd. (5-8) Ext Navy train. thruout area. Join pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest avail. taxi strip. Opers and svcg lctd brick hangar. (4-29)
PENSACOLA NAS-CHEVALIER FLD-Avail. days only. Ngts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Disposition delivery acft land at NAS Chevalier Fld. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld, bear. 34° NNW. Pilots desiring to land at Chevalier Fld ctc Pensacola Navy twr before entering traffic pattern. (5-22)
PETER O. KNIGHT ARPT (TAMPA)-Sodded areas E of Rnwy 3-21 and S of Rnwy 10-28 rough-use ctn when taxiing. Heavy acft use rnwys. Equip. on fld days.(5-20)
PINELLAS CO. MASTER ARPT (ST PETERSBURG)-Lgt acft landing and taking off on sodded area directly S of fld. (5-29)
PIPER-FULLER ARPK (ST PETERSBURG)-CLOSED. Emerg use only. (5-29)
**PUNTA GORDA ARPT-5 mi ESE. Formerly carried as Punta Gorda AAF. See page 134.
PUNTA GORDA MUN ARPT-Usable emerg landings only. (5-29)
RICHMOND NAS-LTA-Use in emerg only (caretaker status-no facs)
ST AUGUSTINE ARPT-All lighting facs inop. (5-19)
STENGEL FLD (GAINESVILLE)-Cattle on fld. (5-19)
SUNNY SOUTH ARPT (MIAMI)-Lgtd for student ngt flying. Closed to transient acft. (5-13)
TAMIAMI AIRPORT (MIAMI)-CFR day operations. Landing fee only to aircraft carrying passengers or cargo for hire. Equipment on field intermittently days. (3-12)

[redacted]:TAMPA-RADIO: 116.1 mc transmitter and 122.1 mc rcvr temp inop. (5-9)
TAYLOR FLD (OCALA)-Use rnwys only. (1-23)
TITUSVILLE-COCOA ARPT-Fld lgts avail. prior req, bcn opers sunset to sunrise (6-4) See page 134. Use rnwys, taxiways only (soft sand) (5-8)
TYNDALL FLD (PANAMA CITY)-RADIO: Army rng unreliable. (4-18)
VERO BEACH ARPT-Crash facs not avail. on line. Rnwys 11-29,3L-21R,7L-25R, 18-36 closed (repairs). (5-21)
WAKULLA ARPT-CLOSED (soft sand) (5-22)
WHITEHOUSE OLF (JACKSONVILLE)-Closed Sundays, used by model acft. Avail. in emerg only. (4-9)
WHITING FLD NAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" sloping curb at edges all rnwys. Tetrahedron indicates rnwy in use and not wind direction. Ctc twr before entering traffic pattern. (4-14)
WITHAM FLD (STUART)-Use rnwys only. (2-12)
[redacted]:ALBANY ARPT-Use rnwys only. (5-29)
ATLANTA ARPT-Const, equip. on fld intermittently. Use rnwys ngts Closed to HB and VHB acft. Trans Army acft use Marietta AAF. Twrs of Rdo Stn WSB 12 mi NE being dismantled, lgtd. 134' lgtd water tank being erected 1 mi E. 25' lgtd bldg near N end N/S rnwy. N portion of N/S rnwy extending down to the E/W rnwy obscured from twr and is closed to all traffic except acft with 2-way rdo in commun with twr. Pilots land at own discretion. (5-29)
ATLANTA NAS-RADIO: About June 11, W course of Navy rng will be realigned to 107°. (5-28) FLD: Avail. sunrise to sunset. After sunset open for landings only. No clearance or svcg. (4-16)
BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rnwys. Use rnwys only (7-1)
**BUTLER ARPT SITE 14, TJ-AG-Formerly carried as Butler Int, Site 14, TJ-AG. (6-3) See page 116.
CALLOWAY ARPT (LA GRANGE)-Hvy acft use rnwys, taxiways only-grass areas soft. All-over landing small acft in dry weather. (4-17)
CAMP STEWART AAF (HINESVILLE)-Cattle on fld. (12-17)
CARROLLTON ARPT-Equip. on fld. (5-12)
CHATHAM AAF (SAVANNAH)-Rot. bcn inop. Exten P-47 NG acft transition training, formation flying and acrobatics 0800 to 1700 all within 35 mi radius. (4-4)
COCHRAN FLD (MACON)-Use rnwys, taxi strips only. (12-5)
**COOK COUNTY ARPT (ADEL)-Lgts inop. (1-4) See page 132.
**GLYNCO NAF ARPT (BRUNSWICK)-Bcn oper dusk to dawn. (2-1) See page 132.
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. (1-18)
LAKEWOOD ARPT (ATLANTA)-Strips rough in spots. (10-9)
LAWSON FLD (COLUMBUS)-MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2, 32. Right traffic Rnwys 14,20,27; left traffic Rnwys 2,9,32. (4-30)
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (1-22)
**MALCOLM-McKINNON ARPT (BRUNSWICK)-Formerly carried as St. Simons Island NAAS. (5-21) See page 132. Equip. on fld days. (6-2)
MARIETTA AAF-No maintenance 1700 to 0800. Ltd transportation. Temp twr atop Opers Bldg 200 yds N intersection Rnwys 10 and 15. (5-19)
MILLEDGEVILLE MUN ARPT-Soft after rainy weather. (4-17)
MOODY FLD (VALDOSTA)-Two obst lgts atop Rdo Stn WGOV inop.
**MUSCOGEE CO. ARPT (COLUMBUS)-Two twrs erected and obst lgtd. (1) 480' twr Rdo Stn WGBA, 7 mi WSW (246°T) at lat 32-27-57, long. 85-03-23; (2) 216' twr Rdo Stn WRBL, 6 mi WSW (258°T) at lat 32-29-43, long. 85-02-36. (5-10) Wind tee tied day and lgt when wind is 12 mph or less. Free swinging over 12 mph. (5-16)
[redacted]:SAFFOLD ARPT (SAVANNAH)-2500' ESE/WNW strip under const. (4-2)
ST. MARYS ARPT-Cattle on fld and rnwys. (1-27)
SAVANNAH-RADIO: SE course displaced 3° counter clockwise, bear. 330°. (4-22)
**SAVANNAH WILMINGTON ARPT (SAVANNAH)-Bddry lgts avail. (1-31) See page 118
SOUTHER FLD (AMERICUS)-Use strips only. Soft when wet. (4-8)
SPENCE FLD (MOULTRIE)-Use rnwys only. All over fld avail. lgt acft only in certain areas. Landing area N of rnwys to be used only by pilots familiar with fld. Grass area adj to rnwys closed (sloped for drainage). (4-8)
**STATESBORO ARPT-Formerly carried as Statesboro AAF (6-5) See page 118.
**SYLVANIA AAF-Changed to Sylvania Arpt. See page 118.
THOMASVILLE ARPT-Closed ngts-no lgts. (10-24)
TURNER FLD (ALBANY)-RADIO: Army air to grnd stn. temp. inop. (2-10)
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld). (1-16)
[redacted]:BOISE ARPK-Right traffic for NW landings and take-offs. (5-21)
BOISE AIR TERMINAL-Use rnwys, taxi strips only-shoulders soft. Non-rdo equipped acft use Rnwy 10L with left approach or Rnwy 28R with right approach when tetrahedron indicates traffic SE or NW. Parking ramp on Nat'l Guard side of fld immediately in front of twr SW of Rnwy 10R-28L closed to all acft other than mil except for taxiing. Extreme ctn while taxiing thru this area. (6-2)
BRADLEY FLD (BOISE)-Right traffic SE take-offs and landings. (3-17)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (2-22)
COEUR D'ALENE-RADIO: Courses aligned by gnd check only. (5-26)
GOODING-RADIO: May 27, MH fac changed to type H with pwr increased to 100 watts. Transmitter not relctd. Fac will oper cont. Sched weather bdcast service inaugurated at 15 and 45 minutes past the hr.
GOODING ARPT-Use strips only-sod unsafe (erosion). (3-1)
GREEN MEADOWS ARPT (EAGLE)-Right traffic NW take-offs and landings. (3-17)
MOUNTAIN HOME AAF-N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
POCATELLO ARPT-6' ceilometer approx 75' S of Rnwy 5-23 at a point 500' W of taxi strip that intercepts Rnwy 29. Use rnwys, taxiways only. Equip. on fld days. (6-3)
PRIEST RIVER MUN. ARPT-NNE/SSW strip under const. (1-13)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (3-14)
TWIN FALLS ARPT-Use strips only, soft when wet. (2-21)
[redacted]-ALBERTUS ARPT (FREEPORT)-Const. Use N/S,NW/SE rnwys, soft when wet. Land within rnwy mrkrs. (2-25)
ASHBURN ARPT (CHICAGO)-Avail. only lgt acft under 2000 lbs. Landing fee for heavier acft $2.00 and up. NE/SW rnwy under const-unusable. Do not turn off cinders onto grass. (5-5)
CASEY ARPT-Red flag on windsock indicates strips too soft for safe oper, green flag indicates strips in good condition, orange flag indicates Right traffic. (2-26)
CHANUTE FLD (RANTOUL)-Ltd parking. (2-12)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe hvy acft-soft. NE/SW rnwy closed (const). (3-3)
**CHICAGO ARPT-RADIO: GCA service test being conducted on 24 hr basis. Unit aligned for approach from NW on Rnwy 13R. Transmits on 350 kcs, 109.5,126.18 mcs. Rcvs on 3105,4495,6210,3117.5 kcs, 126.18,118.1,118.7,122.5 mcs. Pilots desiring to make runs should make arrangements thru Chicago Twr No IFR oper. (4-3) FLD: Wind direction indicator 500' W of intersection Rnwys 22 and 18L, NE sect of arpt comm as free swinging tetrahedron, lgtd ngts. Old wind tee intersection 31L and 27L perm decomm. (6-3) Const 60' high W of Rnwy 22 center at NE corner fld. Snow extension lgts 22" above grade on Rnwys 31L, 36R,27L, mrkd. GCA trlck and trailer lctd near center of fld, lgtd. Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Term. Bldg upon arrival and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable at Arpt Supt's Office before dptr. 3 hangars under

ILLINOIS:const along N taxiway. Ctn when taxing. Ramp in front of new Term Bldg being repaired. (5-14)
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
**CHICAGO-ORCHARD ARPT (CHICAGO)-700' twr of Rdo Stn WBBM erected 2.5 mi WNW (285°) true. (6-4) Landing fee same as Chicago Arpt. Trans acft register in city office S side fld. Glide path bldg 800' SE of NW end NW/SE rnwy 400' SW. Lclzr bldg 950' SE of SE end NW/SE rnwy. (6-4)
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (3-27)
DECATUR PARK DISTRICT ARPT (DECATUR)-Use rnwys only. (4-22)
**EVERGREEN FLYING CLUB ARPT (WARREN)-Formerly carried as Evergreen Arpt. See page 30.
FLORA ARPT-NE/SW strip under const. (12-10)
GALESBURG MUN. ARPT-W bndry rough. (3-28)
JOHNSBURG ARPK-Equip. on fld. (3-18)
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (4-29)
LEWIS-LOCKPORT ARPT (LOCKPORT)-Use strips only. Stay on gravel when wet. (3-16)
MARION ARPT-Ext. train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. Wind tee moved to circle in center of fld. (5-12)
★MOLINE ARPT-RADIO: CAA ILS lclzr ident "MLI". This corrects Airgi, Vol. 2, No. 6. FLD: 75' lgtd mast:, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. 20' gravel pile 300' W of SW end NE/SW rnwy (4-30)
MOUNT VERNON ARPT-E/W strip mrkd with flare pots, dusk to dawn. Serve as mrkr lgts only. (4-7)
PAL-WAUKEE ARPT (GLENVIEW)-250' Goodyear Blimp based on fld until approx Aug 10. Stationary mooring mast 45' high with a single obst lgt lctd on the NE side of the fld, approx 300' from existing rnwys. Blimp unlgtd, but riding lgts will be turned on upon the approach of acft. Pilots req to avoid use of rnwys during the 10 or 15 min period which will occur twice a day when the blimp is landing or taking off. (5-31)
PEORIA ARPT-Equip. on fld 0800 to 1630 daily except Sun. (5-10)
QUINCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. Use only rnwys in thawing weather. (2-24)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
**ST. DAVID ARPT-ABANDONED. (2-13)
SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather and after thaws. (3-31)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip on fld. (7-31)
**SPRINGFIELD ARPT-No lgts (5-13). See pages 38, 40, 45. Fld and strips soft after hvy rains. Unsafe hvy acft when soft. (4-5)
SPRINGFIELD MUN ARPT-New arpt under const 3 mi NW of city. Will be complete approx July 1. Ctn do not land. Gaps in paving at intersection of rnwys. Pole line crossing SE end NW/SE rnwy. (5-3)
STINSON ARPT (LA GRANGE)-NE end NE/SW rnwy closed. (5-14)
STOCKTON ARPT-Strips soft during thawing weather. (2-20)
WAUKEGAN ARPT-NW/SE, E/W strips usable except in extremely wet weather (5-13)
WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (4-7)
*[redacted]AIR HARBOR ARPT (SCOTTSBURG)-Formerly carried as Scottsburg Arpt. See page 58.
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FT. WAYNE)-Rnwy lgts 9-27 inop. Tetrahedron uncontrolled. (4-22)
BENDIX FLD (SOUTH BEND)-Equip. on fld days. N triangle closed. (3-26)
BLOOMINGTON ARPT-Turf sparse-soft when wet. (5-19)
BRIGHTWOOD ARPT (INDIANAPOLIS)-E end E/W strip under const. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys

[redacted]:Circular traffic pattern in use. (5-19)
**CEDAR LAKE FLYING SERV ARPT (COOK)-Formerly carried as Cedar Lake Arpt. (Cedar Lake). See page 42.
CHAIN LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only (5-2
CHARLESTON ARPT-Trees at both ends-usable with ctn. Entire fld soft after prolonged rain. (5-19)
COLUMBUS MUN. ARPT-Turn off rnwys onto taxi strips after landing. Use rnwys only. (3-31)
EVANSVILLE ARPT-Trans use rnwys only. Equip. on fld days. (5-5)
GARY ARPT-Water on fld. Soft in wet weather. Extreme ctn. (5-1)
HOOSIER-PARK ARPT (INDIANAPOLIS)-NW/SE, NE/SW strips closed. Area immediately adj to these strips avail. for traffic. (5-22)
HULMAN FLD (TERRE HAUTE)-Erosion on outer edges of fld. Lgt acft use sodded area in triangle bounded by rnwys. Ctn in wet weather (5-15)
HUNTINGTON MUN ARPT-SE end NW/SE strip freshly filled. Not firm. (11-13)
INDIANAPOLIS-RADIO: GCA unit operated by CAA on exper basis at Indianapolis Arpt, between the hrs 0800 and 1600 Mon thru Fri. Unit aligned for approach from the SW on Rnwy 4. Transmits on 212, kcs, 126.18 mcs, rcvs on 3105,4495,6210, 3117.5 kcs, 126.18 mcs. Pilots desiring to make practice runs should make arrange ments thru Indianapolis Twr, Indianapolis Rdo or airline gnd stn at Indianapolis All flights must be CFR prior to starting GCA runs and must remain CFR through-out approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mc bndry mrkr using keyed 3000 cycle tone, operating intmtly at SW bndry of arpt. Exper lclzr on 108.3 mcs SW end NE/SW rnwy. Exper rdo rng with 5 lgtd 131' twrs oper. intmtly at Avon, Ind, 7 mi NW of arpt on 172 and 194 kcs. Low pwr (holding mrkr) 75 mcs, 89 mi SW of arpt on ILS lclzr course, keying "U" tone 3000 cycles, temp inop. (11-22)
INDIANAPOLIS ARPT-Use rnwys only. Pilots of mil and trans acft register with registrar in Admin Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner oper intmtly. 2-1/2' exper rnwy lgts both sides NE/SW rnwy. Exper flgts of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' SE of NE/SW rnwy on centerline; trailer adj CAA glide path 400' SE of NE/SW rnwy, all lgtd ngts. Exper slope line (glide path) approach lgt sys installed W end of Rnwy 9-27. Lgts consist of 3 prs. of red tubular lgts spaced 100' apart with first pair lctd 100' W of rnwy. The outer pairs show red only on approach side; the inner pair show red on approach and rnwy sides. The high end of outer unit is 8', and high end of inner unit is 5'. Oper normally with rnwy ctc lgts. No mil svcg-use Stout Fld. (5-20) Right traffic pattern for acft landing on grass to the right of rnwy in use; left for acft landing on grass to left of rnwy. Acft landing on rnwys use left traffic pattern unless otherwise advised by twr. (5-22)
McCOOL INT, SITE 3, CG-LG-Pwr poles approx 460' S of the S end of the N/S rnwy, fone line along the S side of Hwy #6, 50' silo 1160' W of watchhouse, all unmrkd. Green bndry lgts No. 17 and 28 changed to clear. (5-27)
MICHIGAN CITY ARPT-Use only mrkd strips, taxiways-bal fld unsuitable for landing and taxing. (5-19)
MILROY INT SITE 5, CC-CG-CLOSED (soft). (5-21)
MORGANTOWN-RADIO: FM formerly on S course of Indianapolis Rng will bemain in oper on exper basis. (11-8)
MYERS FLD (FT. WAYNE)-Avail. with ctn. Soft during wet weather. (3-23)
PLYMOUTH ARPT-E/W, NW/SE strips avail. ENE/WSW strip closed-newly seeded Condition will be in effect throughout the summer. (5-19)
PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to hvy lcl traffic, trans acft avoid turning in middle of fld after landing. Taxi straight to end of fld; then taxi within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather. Soft freshly seeded areas at side of NE end of NE/SW rnwy and at W end of ramp, mrkd. Const NE end fld. (4-16)

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**[redacted] REESE FLYING SERVICE (SELMA)-Formerly carried as Reese Arpt (Muncie). See page 142.
SKY HAVEN ARPT (BEDFORD)-Use rnwys only-Shoulders soft when wet. Const area mrkd. (5-19)
SMITH FLD (FT. WAYNE)-Use rnwys only-turf soft when wet. (5-19)
SOUTH BEND-Barrage balloon over S central portion of South Bend.Max height 500' above gnd. Aloft 0700 until 1700 daily. (5-27)
STARKE CO. ARPT (KNOX)-N/S strip soft-loose sand. Avail. lgt acft only. (5-19)
STOUT FLD (INDIANAPOLIS)-Crash equip. avail. 0800 to 1700 daily only. Ltd svcg facs. Lgts on prior req. (5-22)
TRI-STATE ARPT (ANGOLA)-N/S strip closed (const). (5-5)
URSCHEL FLD (VALPARAISO)-Strips soft in wet weather. (5-19)
**VALLEY ARPT (LAWRENCEBURG)-Formerly carried as Lawrenceburg Arpt. See page 58. (1-27)
WELLS CO. ARPT (BLUFFTON)-Avail. with ctn-soft during wet weather. (5-5)
WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N. No wind conditions land to W. (5-8)
★[redacted] CEDAR RAPIDS-RADIO: June 4, H fac oper by the City of Cedar Rapids was comm and flgt-checked at lat 41-53-26, long. 91-42-25. See page 40
CEDAR RAPIDS ARPT-Use rnwys, taxi strips only. (3-22)
CHAPMAN FLD (WATERLOO)-Bcn, bndry, obst lgts inop. (4-2)
CRAM FLD (DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)
DES MOINES ARPT-Entire area off rnwys E of N/S, NW/SE rnwys closed. Use rnwys only. Area off SE end NW/SE rnwy closed to taxiing, mrkd. NG svcg not yet avail. (4-22)
DUBUQUE ARPT-Flooded, unusable. (4-17)
ELKADER ARPK-N/S strip newly graded and seeded. (5-29)
HUNTER FLD (CEDAR RAPIDS)-Use rnwys only. (4-3)
IOWA CITY ARPT-Avail. days only. Use rnwys, taxi strips only. Sod adj rnwys, taxi strips freshly seeded. Equip. on fld. 75' unlgtd bcn twr being erected 250' E of N/S taxi strip. Open trenches adj all rnwys. N/S rnwy closed until approx June 16. NW/SE rnwy will be closed June 16 until approx June 23 (lgts being installed). (6-1)
LAMONI INT SITE 10, KC-MP-Unsafe (soft). (4-16)
MASON CITY ARPT-Landings and take-offs prohibited on sod rnwys W of Admin Bldg. Sod between taxi strip and N end N/S rnwy unusable. (4-29)
OTTUMWA NAS-S landing mat closed (helium bottles on mat). Use rnwys only. (5-6)
SIOUX CITY ARPT-Blinding ceilometer 1000' N of Admin Bldg. (4-30)
[redacted]: ALLMAN ARPT (LENEXA)-Use strips only. (4-2)
ATKINSON ARPT (PITTSBURG)-Const, mrkd. (4-27)
ATWOOD ARPT-Soft when wet. (3-26)
BEECH ARPT (WICHITA)-During damp weather, use rnwys only. (4-2)
CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags. (2-6)
DODGE CITY ARPT -Blinding ceilometer installed 1000' NW of Admin Bldg. E/W rnwy closed.Parked acft on fld N and S of Admin Bldg due to partially completed const on parking area. Hangars being built NW Admin Bldg: (4-11)
FT. RILEY-AA firing conducted immediately N of Marshall Range Stn.
GARDEN CITY-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. (6-2)
GARDEN CITY AAF-No svcg or maintenance avail. (3-7)
GOODLAND ARPT-Rnwy side soft when wet. (2-21)
HUTCHINSON MUN ARPT-Heavy acft use rnwys only. Tetrahedron unlgtd. (5-1)
HUTCHINSON NAS-CLOSED-no facs. (11-25)
INDEPENDENCE AAF-Only N/S rnwy nearest ramp avail. Svcg, opers avail. 0800 to 1900 only. (5-8)
JANSSEN SKYTEL ARPT (MCPHERSON)-E/W strip soft when wet. (3-4)
LARNED MUN ARPT-SW 1/3 of NE/SW and NW/SE strips muddy in wet weather.
[redacted]: S 1/2 N/S strip under const. (3-19)
MARSHALL FLD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys, taxi strips, ramps only. Soft shoulders off rnwys. Rnwy lgts undependable. (2-10)
OLATHE-Acft of various typed operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Range Stn.
★OLATHE NAS-RADIO: Navy range freq changed to 233 kcs. (6-6)FLD: Closed 1800 to 0800- flights desiring landing during these hrs must notify opers before 1600. (6-13)
OLATHE OLF NO. 2-Use in emerg only - no facs.
OLATHE OLF NO. 4-Use in emerg only - no facs.
OLATHE OLF NO. 7-Use in emerg only - no facs.
OLATHE OLF NO. 9-Use in emerg only - no facs.
SATANTA ARPT-Strips soft in wet weather. (2-19)
**SHERMAN FLD (FT. LEAVENWORTH)-Closed 2000-0800.(6-5) Left traffic on Strips 12,15; right traffic on Strips 30,33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (4-11)
SMOKY HILL AAF (SALINA)-RADIO: Army ILS (CAA type) inop indefinitely. (4-1)
STANLEY COUNTRY CLUB (STANLEY)-Lat 38-52-15, long. 94-38-00.
**STROTHER ARPT (WINFIELD)-Will hereafter be carried as Winfield-Arkansas City Arpt.(Winfield). See page 86
TOPEKA-Inst flying radio range ngt, day. Call Topeka Radio at least 20 mi out before flying range.
TOPEKA AAF-Closed to all trans mil acft except on off. bus. or in emerg. (6-2)
WICHITA ARPT-Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Trans acft without rdo use ctn. Stay on concrete-sod unsafe. (4-29)
WICHITA AUX ARPT-Arpt lctd 6 mi SE of Wichita not avail. as an auxiliary fld. City of Wihhita not responsible for consequences arising from use of the fld. (4-19)
[redacted]: ASHLAND ARPT-Right traffic pattern on NW landings and take-offs.(2-5)
BLUE GRASS FLD (LEXINGTON)-Use rnwys only. (5-5)
BOWLING GREEN ARPT-Use rnwys only. (4-7)
CAMPBELL AAF (HOPKINSVILLE)-No mechanical or refueling svc avail.; use Smyrna AAB for refueling and maintenance. Opers closed 1630 to 0800. Only Rnwy 4-22 avail.; other rnwys closed for const. Wind tee nmvd; wind sock only avail. Lgts inop. (4-4)
GODMAN FLD (FORT KNOX)-RADIO: Army rng unreliable; use primarily as homing fac. (4-5) FLD: CLOSED TO ALL ACFT GROSSING 30,000 LBS OR OVER EXCEPT IN EMERG. High trajectory firing in danger area NE fld day, ngt. (4-17)
GREATER CINCINNATI ARPT (COVINGTON)-Rnwy lgts supplemented and/or lgtd by flare pots only. N/S, E/W rnwys avail. ngt landings. Lgts not controlled from twr. Men on rnwys days. Use rnwys, taxi strips only-sod soft. (5-23)
JODY FLD (LONDON)-Const-use N of hangars only. (4-28)
LEXINGTON-RADIO: VHF rng unmonitored, no auto. standby equip. and therefore it is avail. for navigational purposes with these limitations. (4-2)
STANDIFORD FLD (LOUISVILLE)-NG svcg not yet avail. (4-22)
[redacted]: BARKSDALE FLD (SHREVEPORT)-RADIO: Army ILS (SCS-51) temp. recomm. Lclzr on 109.9 mcs, lctd 1800' SE of SE end NW/SE rnwy. Approach bear. 143°. Opers 0800 to 1600 for pilot training; is avail. within 40 min Sat; or other times on req thru twr. Three mrkr bcns: inner 0.25 mi; middle 0.64 mi, keyed six dots per sec; outer 4.35 mi, keyed two dashes per sec. Will continue in oper until CAA type put back in operation. Army ILS (CAA type) temp inop. (5-13) FLD: Liaison type acft land Rnwy 14R-32L. Exten training, heavy traffic. GCA unit on right and left hand side of center rnwy, lgtd. No 91 oct. (5-6)
COTTON VALLEY ARPT-E/W strip closed. (1-23)
CROSS LAKE SKY HARBOR (SHREVEPORT)-Land only in area in front of Base.
EAST BATON ROUGE PARISH ARPT (BATON ROUGE)-Avoid SE corner fld, mrkd

[LOUISIANA]: with white flags. (1-27)
HOUMA NAS-LTA-Twr oper daylgt hrs 0800 to 1630 only for all acft by Navy in connection with Bureau of Aeronautics Sto. Closed to all other mil acft except in emerg. No fuel. Civil acft may land during daylgt hrs. Lighting facs for ngt flying not in oper for civil use. (4-23)
IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. (3-13)
JENNINGS ARPT-Use strip only. Smudge pots avail. on prior arrangements. Unlgtd pole lines S and E side fld. Right traffic when landing S & W. (3-19)
LAFAYETTE ARPT-Use rnwys only. (4-29)
**LAKE CHARLES ARPT-ABANDONED. (5-21)
LAKE CHARLES MUN. ARPT-Blinding 30 million candle pwr ceiling lgt installed Stn WBAS. Operated during cloudy conditions. Two 195' twrs 3.5 mi NW under const. lgtd. Fuel for mil acft avail. 0700 to 2300. (4-24)
LE GROS MEMORIAL ARPT (CROWLEY)-170' twr being erected 9 mi NE (55°true) Will be lgtd upon completion. (3-24)
**MERAUX-NEUNEZ ARPK (NEW ORLEANS)-Formerly carried as Menefee OLF. (6-4)See page 128.
**MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-162' derrick erected 7 mi SW. (230° true) at lat 29-55-45, long. 91-20-36, obst lgtd. (5-23)Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way rdo except in emerg. 171' steel derrick being erected approx 15 mi SSE in Lake Salvador, unlgtd. Tetrahedron inop. (5-12)
MONROE ARPK-Avail. days only. (12-20)
NATCHITOCHES ARPT-Taxi to right. 44' trees approx 400' S of S end N/S rnwy and 77' trees approx 800' W of W end E/W rnwy. (1-23)
NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Closed to all Army acft except primary, basic and advanced (not including converted tactical type) trainers, utility cargo, C-46, C-47 series, C-60, C-64, liaison acft, helicopters and autogyros. (3-26)
NEW ORLEANS NAS-Closed to all acft exceeding 9000 lbs. Avail. 0800 to sunset. Equip. on all rnwys. Fld on positive control. (5-18)
SELMAN FLD (MONROE)-Obst lgts atop twr inop. Equip. on fld. (12-27)
SHREVEPORT ARPK-Entire fld avail. except sod area E of N/S rnwy. Land with wind tee. Wind sock for wind direction only. (1-6)
SHREVEPORT ARPT-Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1- 1.4 mi S within approach zone N/S rnwy lgtd. 185' rdo twr being erected 4 mi SW (230° true). Work in progress SW end Rnwy 5-23, approx 100' from end of rnwy, mrkd. Equip. on fld days. (5-13)
[MAINE]:AUGUSTA ARPT-Obst lgts on antenna poles 400' NE Admin Bldg inop. (4-22)
**BAR HARBOR ARPT-Bcn bndry, range and obst. lgts avail. (12-13) See page 17.
DOUGLAS FLD (BRUNSWICK)-Right traffic when wind from the S. (4-22)
★DOW FLD (BANGOR)-RADIO: CAA ILS bndry mrkr decomm May 30. ILS in operation, but temp unmonitored. (5-27) FLD: E/W rnwy closed. Use concrete portion fld only. Ltd transportation and maintenance facs. Exten ngt flying opers every ngt from 2000 to 2300. P-47 type acft operating CFR stacked from 3000' to 10,000' all quadrants except S. (5-28)
FARMINGTON ARPK-After heavy rain land to W side strip. (4-23)
**GUERTIN ARPT (LEWISTON)-Will hereafter be carried as Central Arpt. See page 17.
LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft use rnwys only-safety strips soft. (11-13)
MERRYMEETING FLD (BOWDOINHAM)-Use in emerg only. (4-22)
MILLINOCKET-RADIO: Auto. range monitor. sys temp inop. (5-26)
MILLINOCKET ARPT-NW 1000' NW/SE rnwy closed. Ctc lgts inop. (4-15)
NEW MEADOWS ARPK (WEST BATH)-PRIVATE-emerg use only. (5-6)
NORRIDGEWOCK ARPT-CLOSED- use in emerg only.
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[MARYLAND]:OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop. (2-24)
PORTLAND ARPT-E/W rnwy closed ngts (ctc lgts inop). (4-29)
★PRESQUE ISLE AAF-RADIO: Army air/gnd stn freq of 128.16 mcs discont. (6-2) Army VHF/DF and HF/DF stns temp suspended. (5-16) Bndry mrkr of CAA ILS will be decomm soon. FLD: No longer assigned as Foreign Clearing Stn, except as weather alternate for scheduled ATC Flights. Sveg trans acft 0800 to 1700 only. (5-16)
**ROLLINS ARPT (TURNER)-Will hereafter be carried as Rollins Flying Service Arpt. See page 17.
**SANFORD ARPT-Will hereafter be carried as Goodall Arpt. See page 56.
SCARBORO ARPT-CLOSED (soft). (3-31)
WESTON FLD (MADISON)-Avail. emerg only. (4-2)
[MARYLAND]:BALTIMORE ARPT-No crash equip. ngts. Use rnwys, taxiways only, other areas soft. Equip. on fld. Ships with unlgtd 120' masts anchored in harbor S, W and SW of fld. Smoke stacks NW and SE. Rdo rqrd between sunset and sunrise.(4-21)
BALTIMORE SEAPLANE BASE-Radio facs same as Baltimore Arpt. Control launch and other services avail. commercial operators by prior agreement with BOAC. Ramp and fuel service avail. by contacting Baltimore Twr. (4-21)
BELTSVILLE OLF-No crash equip. Closed to all acft except in emerg. (4-9)
★BRANDYWINE-RADIO: VHF voice fac avail. on 116.1 mcs. (6-3)
EDGEWOOD ARSENAL FLD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF.BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Closed Sat and Sun. Operates Mon thru Fri 0800 to 1600. (3-14)
ERCO ARPT (RIVERDALE)-Do not land on diagonal taxi strip due to softness and holes. Soft sholders off rnwys. Avail. days only. (2-19)
FREDERICK CITY ARPT-CLOSED (water main running across arpt being removed.) (5-22)
GLENBURNIE-WHIPP ARPT (GLENBURNIE)-Avoid flagged area-equip. (2-19)
KENT ARPT (WORTON)-Landing area under const. (3-17)
MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS. WITH GLENN MARTIN CO. OR IN EMERG. Trans or local traffic, not landing at fld, should avoid fld traffic patterns or approaches. (1-22)
PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Diches adj Rnwy 9-27, mrkd. Equip. on fld. Obst SE end Rnwy 13-31. Ctn-land long on rnwy. (6-6)
PHILLIPS FLD (ABERDEEN)-CLOSED TO ALL TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Ltd sveg. No maintenance or RON. Danger area 1500 yds S; firing to 25,000. Approach from N only, flying a heading of 200° from Aberdeen to fld. Heavy traffic rnwys. Rnwy 4-22 closed. (5-20)
SALISBURY-RADIO: Commissioning of VHF rng indef. postponed. (5-5)
SALISBURY ARPT-Use rnwys only. (2-17)
SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (4-10)
WEBSTER FLD (PRIEST POINT)-Closed except on 24 hr notice.
[MASSACHUSETTS]:AGAWAM-Two searchlgts being operated from Riverside Park dusk to midngt May 30 to Sept 7. (5-8)
BARNES ARPT (WESTFIELD)-Oper of arpt bcn days indicates suspension of CFR oper. Ctc Westfield Rdo for lgts. 139' unlgtd tank under const 5500' SW. No ctc lgts. (5-2)
BROOKFIELD'S ARPT-Ctn-steep grade at SE end. (4-21)
CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been established approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay.

[redacted]: GRAFTON ARPT (NORTH GRAFTON)-Avail. lgt acft only. Glider towing opers daylgt hrs. Powered acft approach with ctn. (5-16)
LA FLEUR ARPT (NORTHAMPTON)-Const. Grading 600' by 300' center of fld, mrkd. Equip. on fld. Closed ngts. (5-17)
LAWRENCE ARPT-At ngt use rnwys for landing and taking off. (3-23)
••LOGAN ARPT (BOSTON)-RADIO: CAA ILS oper for test purposes only. Lclzr lctd 950' from NE end rnwy served. Freq. 110.3 mcs. Glide path freq 335 mcs. Two mrkrs: outer mrkr 5.67 mi from SW end rnwy keyed 2 dashes per second. Middle mrkr 1.40 mi from SW end rnwy keyed 6 dots per second. Outer compass lctr at outer mrkr site. Freq. 203 kcs. Ident. "G". (5-5) FLD: Neon approach lgt lane comsnd May 27 on SW end of rnwy 4-22 (5-27). See page 56. Traffic control tender comm May 26, lctd intsxn rnwys 9-27 and 15-33. (5-26). Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight, cargo, and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Private or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Mgr and pay fees. Pilots will be denied clearance until fees are paid. Equip. on fld. Mercury arc vertical beam NW end new temp NW/SE rnwy-used intermittently day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. NE 100' Rnwy 7-25 unsafe. Old Rnwy 15-33 closed except for taxiing. (5-26)
MANSFIELD ARPT-Red flag flying when closed. (4-21)
MARLBORO ARPT-Avail. sunrise to one hr after sunset. (4-21)
MERRIMAC VALLEY SKYPORT (LAWRENCE)-Right traffic when landing or taking off down river. (4-4)
MYRICKS ARPT (BERKLEY)-Wires on S end N/S strip. (4-1)
NANTUCKET ARPT-Five 320' twrs being erected 6 mi W (260° true)(4-12)
ORANGE ARPT-High grass NW end fld. (5-17)
OTIS GLF (FALMOUTH)-Use in emerg only (caretaker status-no facs)
PITTSFIELD ARPT, SITE 3B, AZ-BW-Land according to wind sock. (4-2)
PROVINCETOWN FLD-Closed to acft over 3200 lbs. (4-21)
REVERE ARPT-Right traffic on Rnwys 2,33,35. Const on seaplane base 1000' N of arpt. (4-21)
RICHARDSON ARPT (DRACUT)-Intersection of 2 strips muddy when wet. Heavy acft use wide pattern on downwind leg for WSW landing to avoid turkey farm 1000' from rnwy. (3-15)
SPRINGFIELD ARPT-Lgts inop. (4-21)
★SQUANTUM NAS-RADIO: May 27, freq of Navy range changed to 233 kcs. Courses aligned by gnd check only. FLD: Equip at bndry and on fld. Fld avail 0800 to 30 mins prior to off. sunset. Truck and 2 trailers 30' high on rnwy 2-20, 150' S intxn rnwys 14-32, 2-20, lgtd. (3-27)
STEVENS FLD (NORTH ADAMS)-Temp closed. (4-21)
WESTFIELD-RADIO: Sharp bend 5 mi S of rng stn on 27° inbound leg. Condition intermittent. (5-26)
WESTOVER FLD (CHICOPEE FALLS)-RADIO: Army ILS (CAA type) lclzr, Rnwy 24 unreliable. (4-23). HF/DF stn temp suspended. (5-22) FLD: All acft on IFR approaching fld from NE will follow Amber 7 to Boston, thence follow Red 11 to Gardner intxn (W course of Boston Range and NE course Westover Range). Acft will report to Boston ATC over Gardner intxn and will then be instructed by Boston ATC to ctc Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing let-down procedures as disseminated from fld. Cruising alts assigned by Boston ATC will be maintained until further cleared to descend by Boston ATC. Westover approach control will assume control of acft upon departing Gardner intersection but not until released by Boston ATC. When under Westover approach control, all instructions will be followed which are transmitted by Westover Approach control. (2-19)
Red bcn atop Mt. Nanatuck inop. (6-5)

[redacted]: ABRAMS ARPT (GRAND LEDGE)-Soft during wet weather-freshly seeded (4-24)
ADRIAN CITY ARPT-SW corner fld unsafe for landings and take-offs. (4-28)
ANN ARBOR ARPT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (5-23)
BAKER'S FLD (PORT HURON)-Use strips only. Fresh fill E 1/2 N/S strip from intersection to S end, also SW end NE/SW strip. Soft when wet. (2-25)
BISHOP ARPT (FLINT)-Three 170' lgtd twrs Rdo Stn WWOK under const 4.5 mi E (82° true). Use rnwys only-soft. Unmrkd acft parked on fld within 500' of bldgs. (4-8)
CADILLAC ARPT-S 100' of 1000' taxi strip avail. all acft except tricycle gear acft, bal taxi strip being cleared of trees and brush. Other strip usable this area from N of bldgs to fld bndry. 40' crane 300' E, 100' S of E end E/W strip approx 200' S of centerline of approach. Wind tee temp removed. (4-28)
CALVIN CAMPBELL MUN ARPT (INDIAN RIVER)-Emerg use only. (3-21)
CAPITAL CITY ARPT (LANSING)-Use center of rnwys only. Soft spots and broken blacktop on NE-SW rnwy near intersection E/W rnwy. N/S rnwy avail. taxiing only. Equip. on fld days. Acft parked W side fld E of apron. (4-2)
DALTON ARPT (FLUSHING)-Ctn during wet weather. (4-11)
DETROIT-RADIO: Compass lctr temp inop. (6-7) These data rcvd too late for ··(O)·· symbol.
DETROIT NAS Closed 1700 to 0800. (9-14)
DR: HAINES FLYING FLD (THREE RIVERS)-Use strips only. (5-23)
FITCH H BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (4-24)
FORD ARPT (DETROIT)-CLOSED. Avail. emerg use only. Use rnwys only. (3-31)
GRIDLEY ARPT (YPSILANTI)-Strips reseeded, unusable when cross is displayed. Use E/W sod patch. Condition will remain until approx June 13. (4-24)
JAMES CLEMENTS ARPT (BAY CITY)-Use rnwys only. Closed ngts. (3-12)
••KANAPEE ARPT (NEW HUDSON)-Correct name Knapp Arpt. See page 32.
KELLOGG FLD (BATTLE CREEK)-Equip. on fld indefinitely. (4-24)
KENT CO ARPT (GRAND RAPIDS)-Acft weighing 8000 lbs or over use rnwys only. Rot. bcn on Admin Bldg will be inop until approx June 27 during twr const. (5-23)
★LANSING-RADIO: June 4, VHF voice fac comm on 116.1 mcs. See page 32.
LINDBERGH MUN ARPT (KALAMAZOO)-Avail. ngts in emerg. Land in accordance with wind tee lctd midway between NW end NW/SE and N end N/S rnwys. Use rnwys only. (5-23)
MACKINAC CO ARPT (ST IGNACE)-Use rnwys only. (4-5)
McKINLEY ARPT (FRASER)-Avail to lgt acft only in dry weather. (4-26)
MOUNT PLEASANT ARPT-Sod strips soft during early spring months. (4-24)
MUSKEGON CO ARPT Use rnwys only-rough. (4-24)
OSCODA AAF-Use rnwys, taxi strips only.
OTSEGO CO ARPT (GAYLORD)-Use NW/SE strip with ctn-sand surface. (4-24)
PHELPS COLLINS ARPT (ALPENA)-Lgt acft may use sod between rnwys. (3-21)
PLANE HAVEN ARPT (STANTON)-CLOSED. (5-23)
ST CLAIR CO ARPT (PORT HURON)-Rdo Stn WEBO erecting 145' twr 4 mi NE (37° true), temp lgtd. Use strips only-soft when wet. Equip. on fld. (4-24)
★SAULT STE MARIE-RADIO: June 4, NW course realigned to 104°, SE course to 297°, gnd-checked only. FLD: Loose gravel on N/S rnwy. Use rnwys only. (4-8)
SELFRIDGE FLD (MT CLEMENS)-RADIO: Army range will relctd in early June. (5-20)
••SKY HARBOR ARPT (GAYLORD)-ABANDONED (1-28) See page 16.
SKY HAVEN ARPT (SAGINAW)-CLOSED (const)(4-11)
STINSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rnwy. (4-24)
TRAVERSE CITY ARPT-Obst lgts S end N/S rnwy inop. Use rnwys only. (4-28)
TWIN CITIES ARPT (BENTON HARBOR)-Use rnwys only, soft after heavy rains. (4-15)
WASHTENAW ARPT (DEXTER)-Use rnwys only. Avail. days only. (2-20)
WAYNE CO ARPT (DETROIT)-No lgts or rdo. (4-7)
WILLOW RUN ARPT (YPSILANTI)-RADIO: Lclzr, glide path and mrkrs of CAA ILS will be comm soon. (3-28). FLD: Equip. on fld. Trucks on NE/SW taxi strip.

[redacted]: Trenches and const of ILS bldgs on fld, mrkd. (2-14)
[redacted]: AITKIN MUN ARPT-Const. (3-18)
APPLETON ARPT-Use rnwys, taxi strips only. (2-14)
BENSON ARPT-Use strips only. Closed to trans acft. (4-14)
**BILLINGS PARK SEAPLANE (DULUTH)-ABANDONED. (5-22)
BLUE EARTH ARPT-NW/SE strip avail. in dry weather. (5-6)
COLERAINE ARPT.-Slightly rolling. Const on fld. Usable in N/S and NW-SE direction only. (11-5)
DECKER ARPT (AUSTIN)-Acft over 3500 lbs use ctn. Const. (4-21)
DETROIT LAKES ARPT-Use strips only. (5-5)
**DULUTH ARPT-Formerly carried as Williamson-Johnson Arpt. (5-17). See page 13. These data rcvd too late for chart. Use rnwys only. (11-8)
**DULUTH BOAT CLUB SEAPLANE-ABANDONED. (5-22)
FARIBAULT ARPT-Closed to all acft weighing over 5000 lbs. (5-16)
FLYING CLOUD ARPT (MINNEAPOLIS)-Strips leveled and seeded. E/W, NW/SE graded and seeded in spring. (12-11)
KENYON ARPT-N/S strip slopes to N NE/SW slopes to the NE. (5-9)
MANKATO ARPT-Strips soft during sprng thaws. Closed to all multi-engine and heavy single engine acft. (4-1)
MARSHALL ARPT-Newly graded and seeded strips. Use with ctn. Avoid in wet weather. (4-28)
MONTEVIDEO ARPT-Strips muddy when wet. (2-14)
NEW ULM ARPT-E/W strip has 10' hill. Use with ctn. (11-1)
ORTONVILLE ARPT-Temp closed (const)- (6-20)
PRINCETON ARPT-Use N/S strip only. (5-12)
ST PAUL ARPT-Use rnwys, taxi strips only. (3-31)
THIEF RIVER FALLS MUN ARPT-Use rnwys only. Bal fld planted in grain.(4-30)
UNIV OF MINNESOTA ARPT (NEW BRIGHTON)-N end N/S strip rough. (4-3)
VICTORY ARPT (MINNEAPOLIS)-Surplus Acft Sales Center-parked acft.
VIRGINIA ARPT-Rough. (4-1)
**WOLD CHAMBERLAIN ARPT (MINNEAPOLIS)-202' twrs, 2 mi ENE (70° true) rdo stn WLOL dismantled. Obst lgts and flasher bcn perm discont. (5-21) Foreign Clearing Stn for Musk-Call Project Flights. Ltd maintenance facs, no parking facs for Army acft temp. Exper horizontal neon lgt installed on fence 300' S of S end N/S rnwy. High intensity rnwy mrkr lgts being installed both sides N/S rnwy. Heavy acft use rnwys, taxiways only-soft. (4-30)
[redacted]: BASS FLD (LULA)-Landing area rough. (11-13)
**CARROLL CONE ARPT (TUPELO)-Will hereafter be carried as Tupelo Arpt at Tupelo. See page 114.
COLUMBUS AAF-Use rnwys only.
**DOSSETT FLD (BEULAH)-Lat 33-47, long. 90-58-15. See page 112.
GREENWOOD ARPT-Use rnwys only-sodded portions soft. (4-29)
GRENADA AIRPT-NE/SW rnwy closed. (6-28)
**GULFPORT #1-Formerly carried as Gulfport Arpt. Lat. 30-24, long. 89-03. See page. 128.
GULFPORT MUN ARPT-Avoid flying over area directly off SW corner. Entire sod fld avail. (4-1)
HAWKINS ARPT (JACKSON)-Two 115' temp lgtd stacks 1-1/2 mi SE. 136' water tank being erected 3.5 mi SSE (153° true). Temp lgtd during const. (4-11)
JACKSON CO ARPT (PASCAGOULA)-Trans acft use rnwys only - drainage grills under grass. (5-17)
**JONES-HARDEN ARPT (CLEVELAND)-Lat 33-46-45, long. 90-46-30. See page 112.
**JOSEPH H. SHARPE ARPT (NATCHEZ)-Will hereafter be carried as Sharpe Arpt (Natchez). See pages 112, 128.
KEESEER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way rdo. 20' boom NE corner NE/SW rnwy, mrkd. (4-28)
**KEY FLD (MERIDIAN)-300' twr of Rdo Stn WNRI, lctd 8 mi NE (35° true) at lat. 32-26-00, long. 88-40-00, obst lgtd at 3 levels. (5-22) Unlgtd 143' stack and 101'

[redacted]: tank 1500' NE of fld and in line with approach to Rnwy 22 and take-off path Rnwy 4. Entire fld and surrounding obst unlgtd except rot. bcn, N/S rnwy lgts and a few lgts on the NE/SW rnwy. (5-26)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
**L. B. STRANGE ARPT (TUTWILER)-Will hereafter be carried as Strange Arpt. (Tutwiler). See page 112.
LOUISVILLE ARPT-N 1/3 of strip unusable in wet weather. Ditches near edges of strip. (12-20)
MARKS ARPT-Ctn in wet weather. (2-21)
McCOMB ARPT-West 1/3 of E/W strip unusable. (2-17)
McLAURIN ARPT-Unusable-strip washed out by rain. (4-29)
O'KEEFE FLD (NEWTON)-Soft when wet. Low spot 450' N of circle mrkr. (4-24)
TATE ARPT (LELAND)-Soft when wet. (4-24)
TUPELO ARPT-Equip. stakes on fld. (1-2)
YAZOO CITY CO ARPT (YAZOO)-Use N/S strip only, bal fld soft. (2-17)
[redacted]: ACE HIGH ARPT (GALT)-Under const. Use with ctn. N/S strip slopes badly to S.
BAILEY'S ARPT (BROOKFIELD)-Use strips only. (9-20)
BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (2-17)
**CAPE COMMERCIAL ARPT (CAPE GIRARDEAU)-Perm CLOSED May 17. Operations moved to Harris Fld. (5-29). See page 88.
CHILLOCOTHE ARPT, SITE 7, KC-CG-Use sod areas with ctn, numerous washes, ditches, and wheel tracks. Avoid unmrkd ditches SW side SE end of paved rnwy and SE edge NE/SW rnwy SW of CAA weather stn. Keep to paved rnwy and taxi strip when wet. (5-5)
**COLUMBIA ARPT-No flood lgts. (6-3). See page 40. Heavy student traffic. Ngt flying 3 mi radius fld. Sod at rnwy sides soft when wet Traffic pattern 800' on downwind leg. Blinding ceilometer 1000' E of rot. bcn. Equip. on fld days. (6-3)
HARRIS FLD (CAPE GIRARDEAU)-Use strips only-parked acft.
INDEPENDENCE ARPT-CLOSED. (3-14)
JEFFERSON CITY ARPT-NE/SW, E/W strips avail. twin-engine acft not exceeding weight of C45, UC78. (4-22)
JOPLIN ARPT-Obst lgts NE end NE/SW rnwy inop. (2-22)
KANSAS CITY ARPT-RADIO: CAA ILS lclzr has low clearance spots or false courses 90° E of front course and 50° W of front course. Glide path and middle mrkr temp unmonitored. (5-23) FLD: Flood lgts perm discont. (5-28). See page. 42 Avail. mil acft not exceeding 50,000 lbs Army acft rstd from refueling except in extreme emerg. No 1 neon lgt lctd approx 90' N of N end of N/S rnwy and green course lgts approx even with N end N/S rnwy operating. Take-offs by lgt acft to the N from E of N/S rnwy prohibited. Obst lgt atop dike and on the extension of center line of N/S rnwy. Heavy acft use rnwys and taxi strips only. Const immediately N of Term. Bldg-ctn when parking acft this area. 13' lgtd structure lctd 75' W of center line at S end of N/S rnwy. Levee has been raised to 20' above fld level 400' off SW end of NE/SW rnwy and 500' off W end of E/W rnwy, unlgtd. Five 300' twrs being erected 14 mi NNE (22° true), temp obst lgtd. (5-28).
KING ARPT (HOUSTON)-Staked for impending const. (4-2)
KIRKSVILLE ARPT, SITE 12, KC-CG-Sod portions fld soft. Heavy acft use N/S rnwy. (4-29)
LAMBERT FLD-ST LOUIS ARPT (ST LOUIS)-RADIO: Middle mrkr of CAA ILS temp unmonitored. May 26, glide path operating intermittently on test ba. is. Disregard emissions from this fac. About June 5, lclzr and glide path will be decomm until approx June 12, upon recomm, voice and ident features of lclzr will be inop. FLD: Closed to non-rdo equipped acft. Soft off rnwys-avail. lgt acft. SW taxi strip closed. Apron NW corner fld and approach end Rnwy 7 closed. Rnwy 16-34 closed. Rnwy 6-24 closed from W end thru intxn Rnwy 16-34. 4100' Rnwy 6-24 avail. Equip. at intxn Rnwys 6-24, 16-34 days. Port rnwy lgts on Rnwy 7-25. Const in progress on new rnwy 1500' SE of intxn Rnwys 6-24 and 16-34 thru intxn to approach end

[redacted]: Rnwy 7. Trucks crossing approach end Rnwy 7 days. Const areas lgtd ngts. All Navy facs closed to all trans acft except off. orders and emerg. less cross country training. (6-5)
MARYVILLE MUN ARPT-Use strips only. (9-18)
McFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (2-20)
NEUBEISER OLF (ST LOUIS)-Use in emerg only (caretaker status-no facs)
ROLLA ARPT-Unsafe heavy acft (soft)- (1-15)
ROSECRANS FLD (ST JOSEPH)-Use rnwys only-sod areas unsafe. Equip. on fld. days. (4-29)
SIKESTON ARPT-Use rnwys only-parked acft.
✱SPRINGFIELD-RADIO: Rng stn coordinates: lat 37-18-00, long. 93-26-24. (6-6)
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough. Blinding 30 million candle pwr ceilometer in oper on E bndry. (4-29)
TARKIO SITE 10, KC-OH-S 1/3, N/S and E 1/3, E/W strips unsafe heavy acft (soft) (5-5)
VAUGHN ARPT (TRENTON)-1½1/2' ditch each side of strips. (2-26)
[redacted]: BILLINGS ARPT-Army acft rstd from refueling except in extreme emerg. (12-26)
BOZEMAN-RADIO: Range flgt-checked June 6, courses correctly aligned.
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-Muddy in wet weather. (11-18)
CUT BANK ARPT-Ctc lgts rsmd oper. (6-5). These data rcvd too late to delete ⓪ symbol.
DEER LODGE ARPT-Equip. on fld. Avail. with ctn. (6-3)
GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of rnwy shoulders-use 150' center strip. (3-27)
HELENA ARPT-Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. E 200' E/W rnwy closed, mrkd. Right traffic W winds, left traffic E winds. Traffic 600'.
HOT SPRINGS ARPT-Rough-muddy when wet. (12-13)
••LEWISTOWN ARPT-200' twr rdo stn KXLO 3 mi NE (58°true) at lat 47-04-13, long. 109-24-26 erected and obst lgtd. (5-9) Use rnwys only. (2-25)
LIVINGSTON INT, SITE 10, HL-TWIN CITIES-Stn KVRI erecting 50' unlgtd antenna pole atop 300' hill 2.5 mi WNW (288° true). (3-11)
MILES CITY ARPT-Bndry lgts inop. NW and NE floodlgts inop. (5-7)
MISSOULA CO ARPT-NE/SW rnwy closed. NW/SE rnwy closed to all B-17 or heavier acft. (2-21)
MOORE ARPT-S end N/S strip rough. (7-30)
POLSON ARPT-Usable with ctn. (7-19)
PONDERA CO ARPT (CONRAD)-Ctn in wet weather (muddy). (3-31)
POPLAR ARPT-Dangerous when wet. (9-6)
ROUNDUP ARPT-NE 2500' NE/SW strip unsafe-large holes, mrkd. (1-21)
SIDNEY ARPT-Ends of strips in cultivation.
SUPERIOR-RADIO: Rng flgt-checked June 3, courses correctly aligned.
VALLEY CO ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using. (9-7)
[redacted]: CLAY CENTER ARPT-Use mrkd strips in wet weather, allway in dry weather. (3-10)
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (3-10)
CRETE ARPT-Use rnwys only. W 1/2 of E/W rnwy closed. (3-13)
ELGIN ARPT-Haystacks on fld. (3-10)
FREMONT ARPT Sod areas freshly seeded-unsafe for landing or taxiing when wet. (3-10)
GRAND ISLAND AAF-Blinding ceilometer lctd 1000' N of Admin Bldg. (5-8)
HASTINGS ARPT-Use strips only-soft. (5-24)
••HAWKS ARPT (BRUNING)-Lat 40-18-45, long. 97-29-45. See page 36.
KEARNEY AAF-RADIO: Army Hfac temp inop. (1-21) FLD: No opers office. (3-24)
LINCOLN ARPT-Private acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. (5-1)
[redacted]: McCOOK AAF-Soon, all obst lgts will be inop on 180' twr 2.9 mi SE of NW/SE rnwy. NW/SE rnwy avail. only. Delete "temp inact.no facs." Add CLOSED. (6-5)
NORTH PLATTE ARPT-Army acft rstd from refueling except in extreme emerg. (10-9)
OMAHA ARPT-Use rnwys only. Rnwy 17R-35L avail. days only. (4-7)
PENDER ARPT-Extreme ctn during wet weather. Lgt acft only. (2-20)
SIDNEY INT: SITE 59, SL-OH-Use rnwys only, bal fld rough. (4-23)
STECKLEY ARPT (WEEPING WATER)-CLOSED (6-23)
••WALDO AIR SVC ARPT (REPUBLICAN CITY)-Formerly carried as Republican City Arpt. See page 36.
[redacted]: BATTLE MTN FLIGHT STRIP, SITE 35, SF-SL-Use paved surfaced only-shoulders soft. Bndry lgts inop. (6-2)
BOULDER CITY ARPT-SW end NE/SW rnwy unusable. (2-21)
DOUGLAS-TAHOE ARPT (MINDEN)-S 700' N/S taxiway closed. (4-2)
••FALLON ARPT-Formerly carried as Fallon OLF. Bcn, range ctc, flood, obst lgts avail. on prior req. (5-19). See pages 21 and 76.
FERNLEY INT, SITE 22, SF-SL-Rough with soft areas due to wind erosion, soft sand, mrkd. Avail. days only. (3-11)
HAWTHORNE ARPT-Traffic is 1500' outside of city mile square and 600' altitude. Civil acft advised to enter and leave fld by following the main thru hwys and not fly directly over any bldgs. (3-3)
HUMBOLDT INT, SITE 28B, SF-SL-Washes E portion fld dangerous lgt acft, mrkd. (4-5)
LAS VEGAS-RADIO: Rcvg facs 122.1 mcs inop. (6-3) Mar 3, VHF range comm cont on test basis at lat 36-11-06, long. 115-05-48. Bear and dist, stn to McCarran Fld: 24°, 4.2 mi. Freq. 109.1 mcs. Ident. 'LQ". Courses! visual: 29°, 209°; aural courses: 119°, 299°. Mag. var.: 16°E. Simult voice channel and rcvg watches avail. 24 hrs daily. Stn class: VAR-DTV. Stn now guards 3117.5 kcs., 116.1, 122.1 mcs. Disregard spurious signals.
••LAS VEGAS AAF-RADIO: Glide path of CAA ILS inop. (6-3) FLD: 150' twrs formerly used by rdo stn KENO lctd 2 mi SSW city, at lat 36-08-15, long. 115-09-45 have been dismantled. (5-8) Bndry, rnwy range lgts in cont ngt oper. Rnwy ctc lgts and neon approach lgts not avail. midngt to 0800 daily. (2-17)
TAHOE SKY HARBOR ARPT (GENOA)-Trans or inexperienced pilots avoid using. (8-5)
••WELLS INT, 46B, SF-SL-ABANDONED. (5-22)
YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)
[redacted]: BOIRE FLD (NASHUA)-Wind sock atop brink hangar indicates wind conditions. In calm air conditions, take-off and land to NW. Unlgtd 34' hangar under const adj to bldgs S border fld. Bcn oper intermittently. (4-4)
BRATTLEBORO-HINSDALE ARPK (HINESDALE)-Use only N/S strip unless familiar with fld. (6-4)
CONCORD ARPT-Lgts Rnwy 3-21 inop. (5-12)
DEAN MEMORIAL ARPT (HAVERHILL)-New strips dangerous when wet. (2-17)
✱GRENIER FLD (MANCHESTER)-RADIO: Army VHF/DF stn is avail. on req and during IFR only. (5-26) Army ILS temp inop. (3-6)
HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-9)
LACONIA ARPT-Safety strips rough. Holes and cave-ins edges E/W rnwy. (4-12)
LAFAYETTE FLD (PORTSMOUTH)-CLOSED (emerg use only). (5-6)
LAKES REGION ARPT (WOLFEBORO)-Turf strip unsafe (flooded areas) (4-7)
••LANCASTER ARPK-This fld is ABANDONED. Delete its listing under "New Arpts", page 17. This corrects Airgi, Vol. 2, No. 4. (5-28)
LEBANON-RADIO: CAA commun stn will be comm soon. Stn will be manned only from 0700 to 2300. MH fac will oper cont, without voice, from 2300 to 0700.
NEWPORT ARPT-60' trees N end N/S strip. (10-9)
[redacted]: ATLANTIC CITY-RADIO: VHF rng inop. (6-6)
ATLANTIC CITY NAS-Avail. 0800 to sunset. ETA prior to 0800 and after sunset rqrs 24 hrs previous arrangement with Opers Officer. (12-11)

[redacted]: ATLANTIC OCEAN-Over-water bombing practice approx 40 mi off shore will be conducted at the following positions: lat 39-47-10, long. 73-26-00; lat. 39-22-00, long. 73-25-00. This activity has not yet been cleared with Airspace Subcommittee.

CALCO STACK-RADIO: May 26, H fac placed in cont oper for test and shakedown purposes, formal commissioning soon. Lat 40-43-00, long. 74-08-21. Freq. 347 kcs., ident. "V". Class MHW. Bear. and dist, rng to H fac: 58°, 3.7 mi. Flgt-checked, oper. normal.

CALDWELL-RADIO: VAR range will be comm soon, at lat 40-50-45,long 74-23-00. Freq. 109.1 mcs. Ident. "NU". Visual courses: 112°, 292°; aural courses; 22°,202°. Var. 11° W. Class: VARW. (3-24)

CALDWELL-WRIGHT ARPT (CALDWELL)-Right traffic when taking off and landing from SW. (4-24)

CAPE MAY CGAS-Clsd to trans acft except in emerg (caretaker status-no facs)

COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (3-3)

HADLEY ARPT (NEW BRUNSWICK)-Use only cinder rnwys in wet weather.(2-27)

LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Right traffic when taking off and landing to the SW. (5-16)

LINCOLN PARK ARPT-Right traffic N, NW, NE winds. (5-7)

LINDEN-RADIO: May 26, H fac placed in cont oper for test and shakedown purposes, formal commissioning soon. Lat 40-37-49, long. 74-15-33. Freq. 359 kcs. Ident. "Q". Class: MHW Bear. and dist, rng to H fac.: 238°, 5 mi. Flgt checked, oper. normal.

LITTLE FERRY SEAPLANE BASE-Right traffic when taking off to the S. (1-29)

LYNDHURST-Bcn atop N twr Rdo Stn WINS inop. (1-29)

MELLOR-HOWARD SEAPLANE BASE (RIDGEFIELD PARK)-Right traffic when landing to the E. (1-24)

MILLVILLE ARPT-Rnwys incorrectly mrkd. N/S rnwy 18-36 should be 1-19; NE/SW rnwy 4-22 should be 5-23; E/W rnwy 9-27 should be 10-28; NW/SE rnwy 12-30 should be 14-32. Bndry lgts inop. Ctc lgts E/W, N/S rnwys inop. (4-4)

**MONMOUTH CO ARPT (BELMAR)-Flood lgts on req. (3-6). See page 70.

**NASSAU ARPK (PRINCETON)-Reported abandoned. (6-16) Rec'd too late for data page and chart.

NEWARK-RADIO: Following repairs, courses aligned by gnd check only. (5-30)

NEWARK ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-23) FLD: To reduce acft noise over Newark residential area and avoid tall bldg section: 1. Increase rate of climb as much as practicable. 2. N-bound or E-bound acft make left turn as soon as practicable in take-off to SW. 3. Make a half left turn as soon as practicable in take-off to W. 4. Make a half right turn as soon as practicable in take-off to N. Pass at least 500' E of gas tanks lctd in Harrison when making a S approach to the N/S rnwy. (9-7) Clsd to all acft without 2-way rdo. Landing fee for trans acft now in effect based on weight. All acft must taxi to Registry Office NW side fld and register. E 800' Rnwy 28 rough. Pilots are to make approach for numeral on rnwy. No hangar space for Army acft. 75' lgtd pile driver 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. Ditch 12' E of and parallel to red approach lgts and overrun on Rnwy 6 extending up to green ctc lgts then continuing from Rnwy 6 to E taxi strip. Rnwy 1-19 clsd.(4-28)

**NORTH BRUNSWICK ARPT (NEW BRUNSWICK)-Formerly carried under North Brunswick. See page 70.

**OCEAN CO ARPT (ADAMSTON)-Port. flood lgts on req. (4-1). See page 70 Const NE/SW strip. (2-25)

**PRINCETON ARPT (ROCKY HILL)-Formerly carried under Princeton (3-21). See page 70

RED BANK ARPT-Area starting from hwy W 1200' to the intxn of the N/S strip unusable.Clsd to acft over 10,000 lbs except by prior fone arrangements. (6-5)

SOMERSET ARPT (SOMERVILLE)-On W take-off start left turn as soon as practicable. On NW take-off make gentle right turn as soon as practicable followed by wide left hand pattern. (3-16)

NEW JERSEY: TETERBORO AIR TERMINAL (BENDIX)-Const. Pilots using fld do so at their own risk. Rdo rcvrs rqrd all acft using fld. Unsurfaced taxiways rough. 400' min. ceiling with 1 mi visibility authorized for non-scheduled air carrier take-offs under IFR conditions. (5-27)

**WORTH FLD (FLORENCE)-Will hereafter be carried as Florence Fld. (3-31)

NEW MEXICO: ALAMOGORDO AAF-RADIO: Army range inop. (4-8) FLD: Ltd lighting Rnwys 3-21, 7-25, 15-33. Wind tee inop. Clsd to all trans acft except on orders from CG, AAF; CG, AMC; or CG, SAC. Acft will not carry trans passengers not listed on orders to this fld. Opers and svcg avail. 0730 to 1600 Mon thru Fri only. (5-16)

ALBUQUERQUE ARPT-Used by W'AA. Avail. only for delivery surplus acft, prospective purchasers of surplus acft or parts, or in emerg. E/W rnwy clsd. (4-18)

CLOVIS AAF-RADIO: Army rng, twr to be discont soon. AACS air gnd stn will remain in oper. (5-27). FLD: No opers office. Emerg landings only ngts. (5.21)

CONDRON FLD-See notice under White Sands Proving Ground, N. M.

CREWS FLD, SITE 42, EO-PU (RATON)-Avail. days only. (3-18)

GALLUP ARPT-E/W rnwy closed. (3-18)

GALLUP CITY ARPT-ENE/WSW strip under const. (3-18)

HOBBS AAF-Rnwys 3-21, 12-30 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)

HOBBS MUN ARPT-Allway landing area rough. Heavy acft use rnwys only. (3-18)

JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)

KIRTLAND FLD (ALBUQUERQUE)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile grnd traffic. (4-5)

LAS VEGAS-RADIO: About June 17, rng will be shut down days for installation of auto. rng monitor. sys. (6-3)

LAS VEGAS ARPT-Use rnwys only, bal fld unsafe. (2-21)

LOS ALAMOS AIRFLD-Closed. Landing permission must be obtained from the Area Manager, U.S. Atomic Energy Comm., Santa Fe Area, P.O. Box 1539, Santa Fe, N.M. (5-15)

LOVINGTON ARPT-Cattle on fld. (9-16)

MAGDALENA MUN ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (3-18)

PARKER FLD (RUIDOSO-FT STANTON)-Cattle on fld. (9-16)

ROSWELL-Inten inst train. on Roswell Rdo Rng below, above, and in overcast. Acft inbound to Roswell or operating in vicinity under IFR, contact Roswell Rdo for instructions.

ROSWELL AAF-Ltd parking. (2-16)

**RUIDOSO FLYING SERV ARPT-Will hereafter be carried as Ruidoso Arpt (3-12) Lat 33-12-15 long. 105-39-30. See page 104.

SANTA FE ARPT, new-Army acft rstd from refueling except in extreme emerg.(1-15)

TULAROSA ARPT-Use E/W strip only. (9-16)

WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condron Fld, White Sands Proving Ground will be cleared to Biggs Fld, Tex, and will obtain permission and instructions from Biggs Fld Opers before landing at Condron Fld. When Condron Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by rdo prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condron Fld. (10-14)

NEW YORK: AERO LAKE SEAPLANE BASE (KINGSTON)-Right traffic when wind from the N. (5-27)

ALBANY ARPT-Equip. on fld intermittently. (2-22)

AMSTERDAM ARPT-CLOSED (soft) (4-11)

[redacted]:BATH-H'SPORT (HAMMONDSPORT)-W landings and take-offs right traffic, E left traffic. Use strips only-newly seeded sod, slippery when wet. (5-28)
BENDER-BRENTWOOD FLD (BRENTWOOD)-Const on fld-ctn (2-18)
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO-RADIO: Rng figt-checked May 30, NE course 4° NW, bear. 226°.
★BUFFALO ARPT-RADIO: CAA ILS with voice figt-checked and comm for cont oper May 28, serving NE/SW rnwy. Var. 8° W. Lclzr lctd 450' from SW end NE/SW rnwy, lat 42-55-50, long. 78-44-35. Elev. 667' MSL. Glide path lctd 400' NW of centerline of NE/SW fawy, 1550' from NE end at lat 42-56-23, long. 78-43-59. Elev. 712'. Glide angle 2.5°. Middle mrkr lctd at lat 42-56-58, long. 78-43-06, elev 695'. Outer mrkr lctd at lat 42-59-10, long. 78-40-15, elev. 665'. Outer mrkr compass lctr also comm. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-26) FLD: Acft entering and departing Buffalo traffic zone use ctn- new arpt 4000' ESE. Rnwys and taxi strips mrkd with black flags for winter opers. (5-30)
CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control lcl traffic and at other times when circumstances make such practices consistent with safety. (2-22)
CHRISTIE ARPT-Fld soft. Closed to trans acft. (3-8)
COLUMBIA AIRFLD (VALLEY STREAM)-Closed to all Navy acft except in emerg. (5-13)
★DUNKIRK-RADIO: Stn manned only 0800 to 2400 daily upon req. MH fac oper cont 2400 to 0800, other hrs on req.
FLOYD BENNETT FLD NAS (NEW YORK)-Avail. 0800 to sunset. Avail. to transport traffic after sunset upon receipt of 2 hrs prior req of ETA. (5-18)
FLUSHING ARPT-Right traffic on N and NW, wind from 315° to 360°. All turns to left on ground. (3-28)
FORT PLAIN INT, SITE 40A, CV-AZ-Unsafe heavy acft-soft. Lgt acft use ctn. (4-5)
FULTON ARPK -Right traffic when landing S and SE. (3-31)
GLENS FALLS ARPT-Equip. on N/S rnwy days. (6-1)
GLOVE CITY ARPT (GLOVERSVILLE)-CLOSED (deep mud). (4-10)
HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HYLAN FLD (ROCHESTER)-Use strips only- Caution when wet. (5-18)
IDLEWILD-RADIO: CAA ILS comm Apr 9 for purposes of pilot training and familiarization only. Hrs of oper: 8:30 to 5:00, Mon-Fri. Serves Rnwy C (ENE/WSW), with approach from WSW. Mag. heading for landing 72°. Lclzr freq 109.5 mcs, ident "NY". Glide path freq 332.6 mcs, angle: 2.6°. Outer mrkr lctd 5.8 mi from end of Rnwy C, keyed 2 dashes per second. All acft utilizing this installation must clear with Navy twr at Floyd Bennett Fld. Idlewild Arpt is under const and minimum alt. permitted during simulated approaches will be 200'. (4-11)
IDLEWILD ARPT-Not yet opened-const. (3-13)
ISLIP-RADIO: Commissioning of VHF rng has been indefinitely postponed. (5-2)
ITHACA ARPT-Right traffic pattern in use. (3-3)
KINGSTON ARPT-Right traffic when wind from S. (5-27)
KINGSTON-ULSTER ARPT (KINGSTON)-ESE/WNW strip closed. (3-20)
★LA GUARDIA FLD (NEW YORK)-RADIO: May 29, bndry mrkr of CAA ILS decomm. (5-21) Training and test period of GCA equip. inaugurated May 29. Equip. avail. 24 hrs daily during CFR weather conditions only. Voice call: "LaGuardia GCA". Guards 3105,6210,3117.5 kcs, 118.7,140.58 mcs. Transmits on 118.7 mcs. Pilots desiring practice GCA runs advise La Guardia GCA when 20 mi from La Guardia Fld. During periods of CFR weather only twr freq 118.7 mcs. reserved for service test of La Guardia GCA. All traffic calling La Guardia twr use other assigned freqs. (6-4) ADF approach control inop until approx June 16 due to modification of commun and approach control equip. During this period IFR arvl acft will be under the control of New York Air Route Traffic NEW YORK: Control Center. Air traffic control clearances will be delivered thru CAA Commun Stns or respective Airline Co. rdo facs. (6-2) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (3-25) FLD: ARMY ACFT HAVING OFF. BUS. WITH HQ ATLANTIC DIV ATC FT. TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. with Cmdr Eastern Sea Frontier or Hdqs 3rd Naval District when RON or refueling services not rqrd. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVAL ACFT USE NAS FLOYD BENNETT. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Obst lgts atop lclzr shack approahh end Rnwy 22 and end Rnwy 4. 20' lgtd bldgs 300' E of NE end NE/SW rnwy. 40' GCA truck and trailer 500' W of intersection Rnwys 4-22 and 13-31, mrkd. (2-24) Port of New York authority advises that no four-engine acft carrying passengers or cargo shall use Rnwy 18-36 for landings or take-offs. (6-5)
MacARTHUR FLD (ISLIP)-Mobile ILS units 20' high on all rnwys 500' from rnwy centerline, lgtd. Acft use ctn -unconventional flight test oper. Equip. on fld daylight hrs. (2-21)
**MASON ARPT (GENEVA)-207' twr rdo stn WHIN at lat 42-51-35, long. 77-00-59 erected 2.5 ESE (108° true) lgtd 1/3 and 2/3 levels. Red flash. bcn atop. (5-27)
★MASSENA-RADIO: VHF range visual courses realigned to: 75°, 255°; aural courses to: 165°, 345°. (6-6) Blue hemisphere NW, "N" hemisphere NE. Ctn- range unmonitored.
MASSENA-156' twr Radio Stn WMSA lctd 232°, 3.0 mi SW, temp lgtd with red lgts on top. Upon completion lighting facs will consist of 300 mm flash. beacon atop and four side lgts; two at 1/3 level, 2 at 2/3 level. (9-9)
MASSENA ARPT-Use rnwys, taxi strips only - turf rough. (2-21)
MITCHEL FLD (HEMPSTEAD)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 18-36 closed. (4-25)
NANTICOKE VALLEY ARPK (MAINE)-Flares avail. in emergency. (3-17)
NASSAU ARPT (HEMPSTEAD)-Fld not maintained. (6-28)
NEW HACKENSACK ARPT-CLOSED. (3-10)
NEW YORK-Each week end, weather permitting, betweeen the hrs of 0900 Sat and 1600 Sun, Naval acft from NAS New York will conduct live gunnery runs and practice bombing in the following areas over New York Harbor: beginning at lat 40-36, long. 73-15; to lat 40-49, long. 72-30; to lat 40-00, long. 72-30; to lat 40-00, long. 73-15; thence to point of beginning. (2-6) THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.
NEW YORK-SPECIAL NOTICE-New traffic control procedures entitled "Instrument Flight, New York Metropolitan Area", see Special Notice, page 151.
NEW YORK CITY-See Special Notice "Restriction on Flight of AAF acft in New York City Area".
NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2000 to 0800. (4-3)
OLEAN ARPT-Fld hazardous. Keep off graded rnwy. Fone prior to using. (3-6)
PENN YAN ARPT-Ctn at N/S and E/W intersection. Soft in wet weather. (3-4)
PICKAIR SEAPLANE BASE (OSSINING)-Unmrkd shad poles in Hudson River.

RANDALL'S ARPT (MIDDLETOWN)-Fld soft in wet weather. (3-1)
REPUBLIC FLD (FARMINGDALE)-Closed ngts. No lgt facs. (3-3)
RIDGEWAY ARPK (ROCHESTER)-Use rnwys only-extreme ctn in wet weather. (3-27)
ROCHESTER ARPT-Use rnwys only-soft. No hangar space. Equip. on fld days. (2-24)

[redacted]ROCKLAND ARPT (NEW CITY)-50' unlgtd pole immediate vcnty of arpt.
ROME AAF-Traffic alt 1500' MSL. Right traffic pattern Rnwys 6,33, left traffic pattern Rnwys 10,15,24. Hospital 3/4 mi from Rnwy 28-avoid if possible. Clump of trees 125' to left and 700' from end of Rnwy 24. (4-16)
ROSS ARPT (PULASKI)-Use center of rnwys only. Sides soft. (4-5)
SALAMANCA ARPT-SPECIAL NOTICE: The Common Council of the City of Salamanca passed ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100 for each violation. Closed to heavy acft.
SALAMANCA ARPT-Right traffic when taking off and landing into the W. (5-7)
SARANAC LAKE ARPT-Use rnwys, taxi strips only-turf rough. (11-27)
SCHENECTADY CO. ARPT-Equip. on fld intermittently. Use rnwys only, grass areas soft. (3-26)
SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic when landing to the E. 800' mtn directly N of fld. (5-5)
SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const-NE/SW avail. with ctn. (2-21)
SMITHPORT INC. (UTICA)-Use paved rnwy only. (5-9)
**STEWART FLD (NEWBURGH)-240' twr of Rdo Stn KRST, 1/2 mi SW, obst lgtd top by bcn flasher. (6-3) No army Acft will be cleared this fld under IFR. (4-4)
SYRACUSE MUN. ARPT-Turf areas soft after heavy rains. (2-21)
TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (2-25)
TROY ARPT-Bcn inop. (10-10)
VALLEY AIR PARK (MIDDLEBURG)-Fld soft. Right traffic when landing to NW. New strip under const. Present strip will have equip. on it all summer. (3-17)
WARREN CO. ARPT (GLENS FALLS)-Equip. on fld intermittently days. (5-27)
*WATERTOWN-RADIO: VHF range visual courses realigned to: 45°,225°; aural courses to: 135°,315°. (6-6) Blue hemisphere NW. "N" hemisphere NE.Ctn - range unmonitored.
WESTCHESTER ARPT INC. (ARMONK)-Const, tree removal equip, trucks on fld. (4-15)
WESTCHESTER CO. ARPT (WHITE PLAINS)-All traffic control lgt signals and rdo signals emanate from the mobile traffic control unit parked on grass on E side of arpt proper. Pilots should disregard new control twr being const until same is comm and mobile unit removed. (5-8)
WINGDALE ARPT-Avail lgt acft only-rough. (3-21)
ZAHNS AIRFLD (AMITYVILLE)-Right traffic when landing and taking off to the N as P84 Jets are flying from Republic Fld. (5-8)
[redacted]ASHBORO ARPT-220' twr Rdo Stn WGWR being erected 6.5 mi NNE (13° true) temp obst lgtd. (5-14)
ASHEVILLE-RADIO: Apr 18, VHF range comm at lat 35-23-28, long. 82-32-44. Visual courses: 110°,290°; aural courses: 20°,200°. Ctn- rng unmonitored. Unattended and should not be used for navigational purposes. Freq 108.7 mcs. Ident. "VP". Class: VARW. "N" signal to E. Blue sector to N, yellow to S.
**ASHEVILLE-150' twr Rdo Stn WSK[redacted] erected and lgtd. (5-8)
ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy, approach all rnwys with ctn, equip on fld. No radio facs. (1-7)
ATLANTIC MCAAF-Use in emerg only (caretaker status) no facs).
BALLOON FIELD NO. 1 (FORT BRAGG)-CLOSED TO ALL ACFT. No army maintenance.
BOGUE MCAAF-Use in emerg only (caretaker status - no facs). (4-16)
BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (12-6)
BURLINGTON ARPT-N/S strip and all sod area unusable. Use rnwys only. (2-20)
CAP ARPT (RALEIGH)-S 200' N/S strip unusable. SW 1400' NE/SW strip under const. (2-10)
DOUGLAS ARPT (CHARLOTTE)-Bcn code ident. inop. (2-27)
EDENTON NAS-Use in emerg only (caretaker status - no facs).
ELIZABETH CITY-RADIO: May 1, VHF range without voice comm at lat 36-14-49, [redacted] long. 76-17-25. Freq 108.3 mcs. Ident. "ES". Class: VARW. Aural courses: 126°,306°; visual courses: 38°,218°. "N" signal to N. Blue sector to W, yellow sector to E. Operated on unmonitored basis, unattended and should not be used for navigational purposes. This corrects Airgi Vol. 2, No. 3. (5-2)
ELIZABETH CITY CGAS-Stay on rnwys-shoulders soft, rough. Closed ngts from 1900 to 0700 except on prior arrangement. Civil acft use only in emerg or with prior permission of the CO. Closed to acft exceeding 60,000 lbs gross weight.(3-27)
FORT BRAGG-Heavy firing is being conducted in all sections of Ft. Bragg danger area up to 20,000'. All acft must avoid this area shown on Flight Planning Chart 95 herein. Inten training days with rdo control target planes from fld 6 mi due E of N end Pope Fld. Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute.
GASTONIA MUN. ARPT-Training program consisting of from 2 to 6 acft in progress ngtly during CFR conditions. All flights conducted below 3000'. (1-29)
GREENSBORO-HIGH POINT ARPT-Both sides rnwy 32 to intersection soft, rutted. Use rnwys only. No Navy svcg facs. (3-25)
HICKORY-RADIO: VHF range, no voice, comm at lat 35-43-30, long. 81-16-48. Visual courses: 72°,252°; aural courses: 162°,342°. Freq 108.3 mcs. Ident "HO". Class: VARW. "N" signal to E. Blue sector to N, yellow sector to S. Ctn - unmonitored, unattended and should not be used for navigational purposes.
KINSTON ARPT-Avail. civil acft only in emerg. (11-13)
NEW BERN-RADIO: Visual-aural VHF rng completely shut down May 1, for freq change. (5-22)
*PAULS AIR PARK (THOMASVILLE)-Correct location: lat 35-47-45, long. 80-03-30. See page 94
POPE FLD (FT. BRAGG)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Army rng unreliable; all courses swinging and NW and SE courses too wide on on-course signal. (5-12) FLD: CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAY RDO-USE AUX FLD 2 MI S, AT FT. BRAGG. 73 oct avail. that fld. (1-21)
RALEIGH-DURHAM ARPT-ILS and transmitter bldgs 900' from NE end NE/SW rnwy Glide path unit 400' S centerline and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obsts mrkd. Use rnwys, taxi strips only. (3-5)
ROANOKE ISLAND RPT (MANTEO)-Bcn inop. (10-4)
ROCKY MOUNT-RADIO: Apr 22, VHF range without voice comm at lat 35-59-00, long. 77-43-42. Aural courses: 174°,354°; visual courses: 84°,264°. Freq 109.1 mcs. Ident "RI". Class: VARW. "N" signal to E. Blue sector to N, yellow sector to S. Ctn -not monitored, unattended and should not be used for navigational purposes. This corrects Airgi, Vol. 2, No. 3.
SEYMOUR-JOHNSON FLD (GOLDSBORO)-Use rnwys only-shoulders soft.
SMITH REYNOLDS ARPT (WINSTON-SALEM)-N/S rnwy lgts very dim. E/W rnwy under const-closed. (6-4)
THOMASVILLE ARPT-Ctn-strip rolling. (3-25)
**WEEKSVILLE NAF (LTA)-No bcn or fld lgts avail. (5-20) See page 96 Avail. HTA and LTA acft from 0800-1630, all other times by prior arrangement with the CO or Operations Officer (2-27)
WILMINGTON-RADIO: Apr 22, VHF range without voice comm at lat 34-21-40, long. 77-53-30; aural courses: 146°,326°; visual courses: 56°,236°. Freq. 108.7 mcs. Ident "VT". Class:VARW. Ctn- not monitored, unattended and should not be used for navigational purposes.
WINSTON-SALEM-RADIO: May 23, stn shut down for conversion to an SMRLZ fac. (5-23)
[redacted]BISMARCK ARPT-Use rnwys only. Crash and firefighting equip. avail. 0800 to 1900 only. 12' bldg and tranching opers in vcnty SE end NW/SE rnwy, mrkd. Equip. on fld intermittently. (5-14)

NORTH DAKOTA: CHANDLER ARPT (WILLISTON)-Use strips only,bal fld rough.(5-10)
DAWSON INT, SITE 63,HL-TWIN CITIES-CLOSED (water, mu d on fld).(3-24)
**DICKINSON ARPT-300' twr of Rdo Stn KDIX erected 7 mi N (357° true) at lat 46-53-44, long. 102-47-06, obst lgtd. (5-19)
FARGO ARPT-HECTOR FLD-Weather below CFR minimums indicated by oper of bcn days and flashing tetrahedron lgts ngts. (3-13)
GRAND FORKS ARPT-Thirty 50' tanks adj to NE corner fld, temp lgtd. Use rnwys only, soft shoulders.(5-6)
PEMBINA INT, SITE 14A, FO-WG-Closed to acft over 5000 lbs. Use rnwys only.(6-4)
VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES-Use rnwys only after heavy rains.
OHIO: AKRON ARPT-Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg. on arvl and dptr. Ltd svcg facs only. (5-1)
AKRON-CANTON ARPT-CO. FLD (CANTON)-Use rnwys only. No down-wind taxing on rnwys. Equip. on fld days. (5-7)
BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)
BRECKSVILLE-RADIO: FM on E course of Cleveland rng inop. (6-4)
BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to N,W, and SW. (3-1)
**BROOKFIELD ARPT-ABANDONED (5-13) See page 50
BROOKLYN ARPT (CLEVELAND)-Trans acft land at own risk. (2-22)
BRYAN-DEFIANCE MEMORIAL ARPT(DEFIANCE)-NE/SW rnwy under const. 50 pot torches on E/W rnwy avail. for ngt landings on prior req. (2-26)
CEDAR LAWN ARPT (KENTON)-Use strips only. (6-26)
CHARDON ARPT-Use rnwys only. Soft in spring rainy season. (5-13)
CHERRY FORK INT, SITE 4, CC-WA-Unsafe heavy acft (soft). (5-12)
CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. Land with wind tee regardless of wind direction. (11-25)
CLEVELAND ARPT-Trans pilots must register in Terminal Bldg upon arvl and dptr. Landing fee on all civil multi-engine acft. Glide path transmitter and antenna being const 760' NE and 200' W of approach end Rnwy 5L, mrkd. 385' twr Rdo Stn WGAR, 10 mi SE being remodeled to 200', lgtd. (6-6)
CLINTON CO. AAF (WILMINGTON)-Rnwy lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC center upon entering or prior to dptr from ATC area. Inten inst train. being conducted; for danger area outline see Chart Columbus 63. Balloon 6' diameter, 25' long will be hoisted to 25' MSL before during and after thunderstorms at approx lat 39-11-00, long. 83-47-00. (5-15)
COLDWATER INT, SITE4, DY-GO-Soft. (3-17)
★DAYTON ARPT-RADIO: About June 11, ILS will be shut down until approx June 25 to add voice and ident to lclzr, middle mrkr and compass lctrs will also be added. Bndry mrkr decomm. FLD: Sod area W Rnwy 18-36 rough-use in emerg only. At ngt and during wet weather use rnwys only. (5-10)
FAIRFIELD-RADIO: Army FM unreliable. (2-17)
GRIESER ARPT (WAUSEON)-Use strips only. (7-3)
**GRIMES FLD (URBANA)-Ctc lgts avail. See page 62. Use strips only. Land according to wind tee lctd in center of fld. (3-1)
LAKEVILLE ARPT (CONNEAUT)-Closed to heavy acft. Ctn in wet weather. Use strips only. (3-27)
LAKEWOOD ARPK (CINCINNATI)-Right traffic E, left traffic W. (2-23)
LANSDOWNE ARPT-Rough-land with ctn. Soft in wet weather. (5-13)
LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (12-30) FLD: Equip. all rnwys 0800 to 1700 Mon to Sat until Aug. 31. (6-4)
LORAIN SKYPORT-Trans acft avoid fld in wet weather. (5-13)
LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Rnwy 6-24. (3-28)
MANSFIELD ARPT-Use rnwys, taxi strips only. Equip on fld (const). Temp 25' pwr line erected along W side fld S of hangar line. (5-2)
MARION ARPT-Use only NE/SW, NW/SE strips W side fld. NE/SW, NW/SE strips extend into cultivated area W end fld. (6-4)
McKINLEY ARPT (CANTON)-80' twr NW corner fld. (4-26)
MEDINA PRICHARD ARPT (MEDINA)-E/W, NE/SW strips closed. Land N-S in W portion of sodded fld. Watch where local acft land. (2-3)
MIDDLETOWN ARPT-Right traffic pattern taking off to S, SW and W.
NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)
OHIO STATE UNIVERSITY ARPT (COLUMBUS)-Const. Trans use rnwys only.(2-26)
PARKS WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E, NE,SE.(3-3)
PATTERSON FLD (FAIRFIELD)-RADIO: Army ILS (SCS-51) inop. (6-2) FLD: Equip. on fld. Line of telephone poles 50' high near approahh Rnwy 34, lgtd. Rnwys 3-21, 7-25 closed; 16-34 only avail. (4-21)
PAULDING CO. ARPT (PAULDING)-Soft when wet, land at own discretion.(2-26)
PORT COLUMBUS NAS (COLUMBUS)-RADIO: Compass lctrs at middle and outer mrkr sites of CAA ILS will be comm soon. (5-22)FLD: Use rnwys only-grass areas rough. Glide path and neon approach lgts not operating pending removal of obsts in approach lane. 30' port twr on Curtis Wright taxi strip W side fld 800' from E/W rnwy and 800' from NW/SE rnwy until approx July 7 between 0800 and 1700.
**PORT KONETA ARPT (WAPAKONETA)-Lat 40-35-45, long. 84-11-30.See page 46.
RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)
REED'S FLD (WATERTOWN)-Acft use ctn in wet weather. (5-13)
SKY HAVEN ARPT (NORTHFIELD)-Ctn when wet. (2-24)
**SNYDER ARPT (FORTORIA)-Lat 41-10, long 83-23-15. See page 46
STOMBAUGH ARPT (BRYAN)-Ctn wet weather. Use rnwys only. (2-20)
STOUT FLD (NORTH KINGSVILLE)-E/W strip closed. (6-1)
TAYLORCRAFT ARPT (ALLIANCE)-No rdo. Left traffic 800' pattern. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots must register in Opers Office upon arvla nd prior to dptr. (5-13)
TOLEDO ARPT-Equip. on fld 1500' S, intersection. Wind tee free swinging. All sod landings parallel to active rnwy. (5-10)
VAN WERT ARPT-Unsafe heavy acft. Lgt acft land with ctn. Soft when wet. (5-1)
WARD ARPT (BEDFORD)-SW end NE/SW strip under const. Strips unusable during thaws. (3-2)
WELLINGTON ARPT-Right traffic on S and SW rnwys. Const N end N/S rnwy. Closed during thawing weather. (3-13)
WILLOUGHBY ARPT-New NW/SE strip under const. Use with ctn. (5-13)
WRIGHT FLD (DAYTON)-CLOSED TO ALL TRANS ACFT EXCEPT IN EMERG. All trans Army and Navy acft use Patterson Fld. (3-18)
YOUNGSTOWN ARPT-Use rnwys only. Equip. on fld. (3-13)
**ZALESKI ARPT-Formerly carried as Zaleski State Forest Service. See pages 60 and 62.
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron ngts on req only. Rnwy lgts inop. (6-4)
[redacted]:ALTUS AAF-Avail. only for delivery surplus mil acft or in emerg. Equip. on and near N/S rnwy. (3-17)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg. only. No fuelor svcg avail. trans acft-use Ardmore Arpt, Site 10, FV-WD. Inten ctc and inst train. in progress. Use rnwys only. (5-27)
CADDO FLYING SERVICE (FT. COBB)-Use with ctn when wet. (3-9)
CIMARRON FLD (YUKON)-Now a WAA sales and Sto. Center. No svcg, repairs or overngt stol Planes parked on fld. 4 strips indicated by pylons and mrkrs. Lime mrkings center of each strip. (3-17)
COUNTRY CLUB ARPT (OKLAHOMA CITY)-Only N/S, NW/SE strips avail. (3-17)
GAGE-RADIO: Soon, weather permitting, rng will be shut down days for installation of auto. rng monitor. sys. (6-3) FLD: No fuel (4-30)
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
GUTHRIE MUN ARPT-Course lgts changed to red. Bndry lgts decomm. (3-17)

OKLAHOMA: HATBOX FLD (MUSKOGEE)-Use rnwys only-parked acft.
IDABEL ARPT-Avoid S 1/3 N/S strip after heavy rains. (2-28)
LAWTON ARPT-Obst lgts inop. Bndry, flood lgts on req. (3-17)
MAX WESTHEIMER FLD (NORMAN)-Avail. all acft up to 30,000 lbs days only. Lcl traffic avoid flying over bldg area and corporate limits of Norman. (3-17)
**MUSKOGEE AAF-Will hereafter be carried as Davis Fld (Muskogee). Lat 35-39-30, long 95-21-45. (11-19) See page 84
NUCKOLS FLD (OKLAHOMA CITY)-Use rnwys only. (1-14)
POST FLD (FT. SILL)-All except liaison acft use rnwy. Rnwy unlgtd; closed ngts. Const, equip. on fld. Bcn atop water twr inop. (3-7)
ROOSEVELT-RADIO: Ctn - VHF rng unmonitored. (4-10)
SHAWNEE ARPT-Use rnwys, taxi strips only. (3-17)
STILLWATER ARPT NO. 1- 325' twr Rdo Stn KSPI being erected 4 mi SSE(160° true)
TINKER FLD (OKLAHOMA CITY)-RADIO: Army rng reliable for homing only.(3-6) FLD: Use rnwys, taxiways only. Stored acft adj rnwys. W ramp congested. 6' obstn N end N/S rnwy 100' off center. (5-26)
TULSA ARPT-RADIO: Glide path of CAA ILS inop. (4-7) FLD: Pilots without rdo watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only.(3-25)
WILL ROGERS FLD (OKLAHOMA CITY)-RADIO: About June 17, outer mrkr of CAA ILS will be shut down for installation of Compass lctr. (5-26) FLD: Bndry lgts inop-ctc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 acft. Use rnwys, taxi strips only. (4-9)
WOODRING FLD (ENID)-Use rnwys only. (8-5)
[redacted]:BAKER ARPT-Use rnwys only (5-20)
BEND ARPT (old)-Usable in emerg. (5-2)
COASTWAY SCHOOL OF AERONAUTICS (TILLAMOOK)-Right traffic W take-offs and landings. (3-17)
EUGENE ARPK-Rnwy pavement not built to withstand acft weighing over 4000 lbs. Equip. on fld days. Open culverts along rnwys. (6-6)
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S- steep grade.(6-5)
HOOD RIVER ARPT-Avail. lgt acft. Soft when wet. (3-13)
KLAMATH FALLS ARPT-Rnwy lgts Rnwy 7-25 inop. (2-19)
LEXINGTON ARPT-Right traffic when landing to the E. (4-28)
**MADRAS ARPT-No Army activity.
MAHLON SWEET FLD (EUGENE)-Equip on fld. Use rnwys only. (5-2)
MEDFORD AAF-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24)FLD: Use rnwys, taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10 mph. No bndry or flood lgts. No maintenance mil. acft. (3-12)
★ONTARIO-RADIO: June 4, VHF voice fac comm on 116.1 mcs. See page 4
PILOT ROCK ARPT-Usable lgt acft. (5-2)
PORTLAND ARPT-RADIO: Glide path of CAA ILS reported unreliable. (6-4) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-24) FLD: Acft landing this fld must have workable 2-way rdo. (5-20)
ROSEBURG INT, SITE 41A, SF-SA-Unlgtd 100' pole 1200' S, 300' E of bndry. (12-3)
SANTIAM JUNCTION FLIGHT STRIP (IDANHA)-Land to the E, take-off to W.(3-13)
SEASIDE ARPT-Right traffic S take-offs and landings. (3-17)
SUTHERLIN SKY RANCH ARPT-CLOSED. (3-22)
THE DALLES ARPT-NE/SW rnwy unlgtd. Poli line SW unlgtd. (3-19)
TILLAMOOK NAS-Rot. bcn operates from sunset to sunrise and during IFR conditions. Ctn during low visibility. High terrain surrounds stn in all quadrants.(2-13)
TROUTDALE ARPT-Parked acft. (3-13)
TULANA ARPT (WORDEN)-Soft when wet. Pilots use at own risk. (5-2)
[redacted]:ALLEGHENY CO. ARPT (PITTSBURGH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-17) FLD: N/S rnwy closed. Equip. on fld, mrkd. Closed to non-rdo equipped acft. Truck and trailer N edge NW/SE rnwy, lgtd. Flash. ident. bcn inop. Exten repairs on all rnwys and

PENNSYLVANIA: taxi strips, mrkd. (5-28)
ALLENTOWN-RADIO: VHF range comm Apr 24, operating without voice at lat 40-44-25, long. 75-27-20. Freq. 109.1 mcs. Ident. "XA". Visual courses: 107°,287°; aural courses: 17°,197°. "N" signal to E. Blue sector to N, yellow sector to S. Bear. from stn to N end N/S rnwy Allentown-Bethlehem Arpt: 178°, 5.7 mi. Class: VARW. This corrects "AIRGI" Vol. 2, No.3.
ALLENTOWN-BETHLEHEM ARPT-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9,14,18 inop. 150' twr Rdo Stn WSAN being erected 7 mi S (180° true). (3-20)
BARRETT ARPT (CANADENSIS)-CLOSED (const). (12-16)
BEAVER FALLS-Patterson Heights Arpt- 1.5 mi S Beaver Falls is not under const, entirely avail. New fld, Beaver Falls Arpt closed-under const and soft. (3-30)
BETHLEHEM-EASTON ARPT (EASTON)-Right traffic when taking off to SW, W and NW. (1-2)
BLAIR CO. ARPT, SITE 24A, CO-PG (MARTINSBURG)-Use rnwys only. (4-8)
BUTLER-ALAMEDA ARPT (BUTLER)-Pilots avoid hospital area adj arpt. Use right traffic on W take-off. (3-14)
CARLISLE ARPT-NW/SE strip under const. Use ENE/WSW strip only. (3-11)
CHEMUNG VALLEY ARPT (ATHENS)-Right traffic when taking off or landing to the W and E. 500' extension E end E/W strip under const. Soft when wet. (2-21)
CLEARFIELD ARPT-Right traffic when landing of taking off to the E,NE, and SE. (4-3)
CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. Lgt acft may land in grass area immediately S of E/W rnwy-avoid area in wet weather. Pwr lines E.(3-10)
DALESVILLE ARPT-Right traffic used on S to SE take-off.
**EAST SCRANTON ARPT (SCRANTON)-ABANDONED. (5-16) See page 52
EMLENTON ARPT-CLOSED. (5-28)
GREATER PITTSBURGH ARPT (PITTSBURGH)-First 500' Rnwy 23 and first 600' Rnwy 14 closed. Ltd transportation.(6-2)
GREEN ACRES ARPT (BEAVER MEADOWS)-Strips soft when wet, use sodded area only. Const N/S rnwy. Use NW/SE, E/W, NE/SW strips. (2-21)
GREENE CO. ARPT (WAYNESBURG)-Temp 50' derrick adj to N side of NE/SW rnwy mrkd. (5-7)
★HARRISBURG STATE ARPT-RADIO: CAA twr now transmits on 278 kcs, 126.18, 118.7 mcs. (5-30) Approach control service inaugurated May 30. Gds 3105,4495, 6210,3117.5 kcs, 118.7,122.5 mcs. These data too late for data page. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-14) FLD: Use rnwys only. (3-12)
JOHNSTOWN ARPT-Use rnwys only. Army Reserve Training Sundays. (5-10)
KAISER FLD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only. (3-13)
LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd-stay between red flags. Sinkhole extreme E end E/W strip-2 holes S end N/S strip, mrkd.(3-12)
LANSDALE ARPT-Right traffic when taking off to the E. (5-7)
MILLARD ARPT (ANNVILLE)- Sod area soft-use strips only. (5-12)
MT. POCONO ARPT, SITE 21, BJ-LG-Ruts along extreme SE side NE/SW rnwy. Use ctn when taxing this area. (3-24)
MT. UNION ARPT-Left traffic 600' pattern. Student training. Land according to wind tee S end fld. Wind sock atop hangar. In wet weather, use rnwys, taxi strips. (3-13)
MUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familiar with fld and surrounding obsts. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Arpt for ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. (1-27)

[redacted]: **OLMSTED FLD (MIDDLETOWN)-Four green range lgts avail, ends all rnwys. (5-22) Ngt landings hazardous. Obsts adj fld. 81' high tension wires across approach zones Rnwys 29,14. Lgtd obsts between Rnwys 29,32, approx 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgtd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to B-29 opers. Use Rnwys 11,32 for ngt landings. (4-25)

PHILADELPHIA NORTHEAST ARPT-Use rnwys only. Trans pilots must register in Admin Bldg on arvl and dptr. (6-16)

PHILADELPHIA SOUTHWEST ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-14) FLD: Closed to non-rdo-equipped acft except in emerg. Const on fld. Use rnwys only. Use ctn in taxiing. Unlgtd poles approx 20' high across approach to Rnwy 9 approx 1200' W of approach end of rnwy. Other unlgtd poles 45' high in const area W and NW of arpt-clear of approaches. (6-4)

PITTSBURGH-BETTIS ARPT-Right traffic on NE and NW rnwys. (3-14)

PITTSBURGH-BUTLER ARPT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (3-14)

PORT ERIE ARPT (ERIE)-RADIO: CAA ILS placed in cont oper without voice for equip. test and shakedown purposes May 26, expect formal commissioning June 10. Approach bear. 60°, serving NE/SW rnwy. Var. 6) W. Lclzr lctd 375' from NE end of NE/SW rnwy at lat 42-05-03, long. 80-10-15, elev. 729' MSL. Freq. 110.3 mcs. Ident. "ERI". Middle mrkr lctd 3264' from SW end of NE/SW rnwy at lat 42-04-18, long. 80-11-42, elev 731' MSL, keyed cont alt dots and dashes. Outer mrkr lctd 4.35 mi from SW end of NE/SW rnwy at lat 42-02-18, long. 80-15-15, elev 800' MSL, keyed cont two dashes per sec.

READING ARPT-RADIO: CAA ILS oper on Rnwy 36 on exper basis. Lclzr on 109.5 mcs. Not flight-checked. Lclzr temp inop. (5-6) FLD: Ridges S and E within 4 mi of fld up to 1200' MSL. Equip. on fld days. Right traffic on Rnwys 13 and 18. (1-15)

**SCRANTON ARPT-240' twr rdo stn WSCR erected and obst lgtd - base 900' above sea level lctd lat 41-26-30, long. 75-40-30 - 5.5 mi SE (120° true). (4-30)

STAR VALLEY ARPK (CHARLEROI)-Equip. on fld intermittently. Ctn in wet weather. (4-1)

SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings. (4-8)

**VALLEY ARPT (YORK)-410' twr rdo stn WSBZ, 3 mi SSW (200° true) at lat 39-56-25, long. 76-41-59, is erected and obst lgtd. (5-28)

VALLEY FORGE ARPT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (3-13)

WEST CHESTER ARPT-Strips under const. Right traffic on W and N take-offs. (6-3)

**WILKES-BARRE-SCRANTON ARPT-Lgts avail. on prior req. (6-4). See page 52. Use rnwys only.(6-4)

WILKES-BARRE-WYOMING VALLEY ARPT-Use rnwys only. Closed ngts. Bndry and obst lgts avail. in emerg or by prior req. 380' rdo twr being erected 7 mi S (170° true). (5-2)

WILLIAMSPORT ARPT-Closed ngts. Rnwy lgts avail. for emerg landings or by prior req. Const S side fld, mrkd. (5-23)

WILLOW GROVE NAS-Closed from official sunset to 0800. (3-14)

WINGS FLD (AMBLER)-Being seeded. Equip. on fld. (3-26)

[redacted]:CHARLESTOWN NAAS-Closed 1800 to 0700. Flights desiring landings during closed hrs must notify stn 1 hr prior ETA. (3-13)

GREENE ARPT, T.F. (PROVIDENCE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (6-7) FLD: Soft spot on turf area S of rnwy intersection, mrkd. During daylgt hrs arpt rstd to acft equipped with at least a functioning 200 to 400 kc rcvr. During hrs of darkness rstd to acft with functioning 2-way rdo. (5-8)

PROVIDENCE-RADIO: Ctn - VHF range unmonitored. (5-21)

[redacted]:**CHARLESTON ARPT-4 mi N ABANDONED. (4-10)

[redacted]:CLARK FLD (CHARLESTON)-Strips rough. (4-28)

CONGAREE FLD (COLUMBIA)-NG sveg not yet avail. (3-25)

FLORENCE ARPT-Closed ngts (bcn,rnwy,obst lgts inop). Ditching alongside rnwys. Equip. on fld days. Ditches lgtd pmudge pots ngts. Use rnwys only. (5-26)

GEORGETOWN CO. ARPT-Bcn inop. (4-28)

GREENVILLE AAB-RADIO: Army emerg bcn placed in oper on 1742 kcs. Bcn is jeep-mounted and will be placed at approach end of active rnwy upon req to twr, 24 hrs daily. Ident consists only of series of dots followed by 2 long dashes and then repeats. No voice modulation avail. Pwr is 5 watts with rng limited to 15 mi. (5-23) FLD: Occasional heavy glider traffic. Maintenance 0830 to 1700 only. Acft parked on E/W rnwy. (4-1)

JENNINGS ARPT (ORANGEBURG)-115' unlgtd derrick 3/4 mi N. (3-21)

LEXINGTON CO. ARPT (COLUMBIA)-RADIO: Twr inop. (4-24). FLD: Control of air traffic discont. Bndry lgts inop. 1 range lgt SW end NE/SW rnwy inop. E/W rnwy lgts very dim. (6-6)

MEMORIAL ARPT (SPARTANBURG)-Use rnwys, taxi strips only. (5-1)

MYRTLE BEACH-RADIO: Apr 22, VHF range without voice comm at lat 33-43-20, long. 78-53-15. Aural courses: 145°, 325°; visual courses: 53°, 233°. Freq. 108.3 mcs. Ident. "MU". "N" signal to N. Blue sector to W, yellow sector to E. Class: VARW. Ctn-unmonitored, unattended and should not be used for navigational purposes. This corrects: AIRGI, Vol. 2, No. 3.

MYRTLE BEACH AAF-Inst training at 1000 and 5000' alts 50 mi radius during IFR. (12-17)

OWENS FLD (COLUMBIA)-Use rnwys only. Req pilots avoid pivoting acft on NW end NW/SE rnwy. Small acft parked on ramp front Admin Bldg, mrkd. No. 4 rnwy floodlgt inop. (5-15)

PARRIS ISLAND MCAS-Use in emerg only (caretaker status-no facs).

SHAW FLD (SUMTER)-No 73, 91 oct. (12-11)

WOODWARD FLD (CAMDEN)-Use rnwys, taxi strips only-fld tie-downs in this area. No facs for closing flight plans other than fone. Flight plans should be closed with Shaw Fld twr before landing. Closed ngts. (4-28)

[redacted]:ANDERSON ARPT (MITCHELL)-Areas off rnwys soft in wet weather. (3-27)

BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (3-27)

BIEDENFELT FLD (FAULKTON)-Hay stacks on fld. Use strips only. (3-27)

BROOKINGS ARPT-W portion fld soft in wet weather, bal fld usable with ctn.(3-27)

GERONIMO ARPT-Rough and dangerous-unattended. (5-20)

RAPID CITY AAB-Equip. 300' S of E/W rnwy to 700' W of N/S rnwy; equip. lgtd. E/W rnwy closed. (6-4). These data rcvd too late for (1) symbol.

SIOUX FALLS MUN. ARPT-Use rnwys only. Tetrahedron rmvd. Infld rough 100' E of center of NE/SW rnwy, mrkd. (4-8)

WATERTOWN-RADIO: 122.1 mc rcvr temp inop. (5-6)

W.W. HOWES ARPT (HURON)-Closed to acft exceeding 25,500 lbs. Use black-top rnwys only. Stakes on grass areas. (6-4)

[redacted]:BERRY FLD (NASHVILLE)-RADIO: Outer mrkr recomm and flat-checked June 5. Lclzr will oper intermittently for test purposes days and good weather only. Unmonitored. Not to be used for navigation. See page 90. FLD: Use rnwys only-rnwy, taxiway shoulders soft. (1-13)

CHATTANOOGA ARPT-LOVELL FLD-RADIO: 126.18 mc transmitter and rcvr at CAA twr temp inop. (5-8) FLD: Intermittent dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (2-27)

CORNELIA FORT ARPK (NASHVILLE)-Landings and take-offs to S use left traffic, to N right traffic. All approaches must be 180° side from 800'. (5-7)

CUMBERLAND FLD (NASHVILLE)-Strips under const.

DYERSBURG-RADIO: Apr 22, VHF range without voice comm at lat 36-01-11, long. 89-19-00. Aural courses: 106°, 286°; visual courses: 16°, 196°. Freq. 109.1 mcs. Ident. "DJ". Class: VARW. "N"signal to N. Blue sector to W, yellow sector to E.

TENNESSEE: Ctn-unmonitored, unattended and should not be used for navigational purposes.

**HUMBOLDT ARPT-ABANDONED. (12-12)

JACKS CREEK-RADIO: 116.1 mc transmitter and rcvr temp inop. (5-22)

★KINGSTON-RADIO: Coordinates for FM on W course of Knoxville rng: lat 35-53, long. 84-27-08. (6-3). This corrects AIRGI, Vol 2, No. 4

LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)

McGHEE TYSON ARPT (KNOXVILLE)-S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. (3-13)

McKELLAR ARPT (JACKSON)-Use rnwys only-parked acft.

MEMPHIS-Scheduled night training flights will be conducted in vicinity by trainer type aircraft Thursdays 1930C to 2230C until further notice. This activity has not yet been cleared with the Airspace Subcommittee.

MEMPHIS ARPT-RADIO: Twr and approach control will be inop during period when wind velocity at Memphis is in excess of 45 mph. At such times, traffic will be controlled by lgt gun signal from lctn atop term bldgs on S side arpt. (11-19) Middle and outer compass lctrs of CAA ILS inop. (5-22) FLD: Fld badly eroded. Use rnwys only-shoulders soft. Equip. on fld. Avail. private acft equipped with fully operating 2-way rdo transmitting on one of the following freqs: 3105, 4495, 6210 kcs. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft not permitted. Ltd facs. No 91 oct. (1-16)

MEMPHIS FLYING SERVICE-Right traffic N take-offs and landings; left traffic S take-offs and landings. NE/SW, E/W rnwys closed. (2-24)

MEMPHIS NAS-Prior notification rqrd for landings between off. sunset and 0730 except in emerg. Flight plans should be addressed to "MEMPHIS NAVY". Exten flight opers in 15 mi radius. Traffic left at 1000'. Red rot. bcn indicates IFR. Unsafe for acft over 27,000 lbs. (5-10)

OUTLAW FLD (CLARKSVILLE)-Avoid bare spots on NE/SW, NW/SE strips during rains and after thaws. Use grass spots only. (1-13)

SMYRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (3-7). FLD: Temp inactive-no facs. (6-8). These data rcvd too late for (D) symbol.

STEWART FLD (UNION CITY)-Use rnwys only-parked acft.

TRI-CITY ARPT (BRISTOL)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only-rough. Soft when wet. (4-8)

TEXAS-ABILENE-RADIO: Stn guards 3117.5 kcs 2300 to 0700.

ABILENE AIR TERMINAL-E/W rnwy avail. only on permission of control twr. (3-13)

ALAMO-RADIO: Rng stn shut down for conversion to type SMRLZ fac. (5-19)

ALICE ARPT-Rnwy lgts not visible on final approach. Lgts obscured from air by grass and vegetation. (3-17)

ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use rnwys only. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (3-17)

ARLINGTON (MIDWAY) ARPT-NE/SW rnwy unsafe-NW/SE rnwy usable with ctn. Rnwy lgts inop. (3-17)

ASHERTON ARPT-High brush-use strips with ctn. (3-17)

ATLANTA MUN. ARPT-Cattle on fld. (11-15)

AUSTIN-RADIO: Stn guards 3117.5 kcs 2300 to 0700. Range flight-checked, courses correctly aligned, break in stn location marker lgt pattern. (5-23)

AUSTWELL INT, SITE 5A, CR-HU-Unsafe (soft, wet). (4-14)

AVENGER FLD (SWEETWATER)-Use rnwys only. (3-21)

**BEAUMONT ARPT-Red flasher bcn installed top 306' twr of Rdo Stn KPBX lctd 6.5 mi ESE (103° true) at lat 30-03-00, long. 94-06-30.

BERGSTROM FLD (AUSTIN)-RADIO: Army ILS temp inop. (3-7) FLD: NE/SW. NW/SE rnwys closed. (4-23)

BIGGS FLD (EL PASO)-See notice under White Sands Proving Gnd, N.M. (12-26)

TEXAS-BIG SPRING-RADIO: About June 17, rng will be shut down days for installation of auto. rng monitor sys. (6-3) Stn gds 3117.5 kcs 2300 to 0700.(2-27)

BROWNSVILLE-RADIO: About June 17, rng will be shut down days for modernization. (6-3) Commun stn guards 3117.5 kcs during hrs 2400 to 0800. (2-23)

BRUCE FLD (BALLINGER)-Holes in fld-use rnwys only. (3-17)

CAMP HOOD LANDING FLD (KILLEEN)-Ngt opers on previous arrangement. Right traffic to N, left to S overhead approach. Equip. near NW/SE rnwy. (1-8)

CHILDRESS-RADIO: Ctn - VHF range unmonitored. (4-10)

CLEBURNE NORTHWEST ARPT- -250' twr rdo stn KCLE being erected 1.5 mi NNE (28° true). (2-3)

CLEVELAND-RADIO: Ctn - VHF range unmonitored. (4-23)

**CLIFF MAUS FLD (CORPUS CHRISTI)-180' twr lctd 2.3 mi NNW (345° true) at lat 27-48-19, long. 97-27-30, obst lgtd at 2 levels with 300 MM bcn flasher atop. (5-7) Use rnwys only during wet weather. Farming opers in progress 200' E of N/S rnwy and 200' S of E/W rnwy. (6-6)

COMMERCIAL ARPT (EDINBURG)-Two 250' twrs being erected 2 mi W (273° true). Rdo Stn KCBD erecting three 315' twrs 2.5 mi SE (123° true). (3-24)

CORPUS CHRISTI-RADIO: Commun stn guards 3117.5 kcs between hrs 2300 to 0700. (2-25)

**CORPUS CHRISTI NAS-165' derrick erected 1.5 mi SSE, mrkd at ngt with red obst lgt on top, white lgts on sides. (5-7)

CUDDIHY FLD (CORPUS CHRISTI)-RADIO: Mun. twr comm. Operates 1230 to 2130, daily except Weds. Lgt gun oper only. (5-23) FLD: Traffic left 600'. Bndry obst, rnwy lgts and tetrahedron avail. sunset to 2300 only. (4-14)

CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings to be made within orange cone bndrys. (3-12)

DALLAS-Extensive night flying by small aircraft up to 1000' in vicinity of Hudson Arpt (approx 8 mi NE Love Arpt). This activity has not yet been cleared with the Airspace Subcommittee.

★DALLAS-RADIO: June 5, W course realigned to 67°. Courses gnd-checked only.

DENTON ARPT-Use N/S rnwy only. (2-21)

DIMMIT COUNTY ARPT (CARRIZO SPRINGS)-Use in emerg only. Const. (2-24)

DRAUGHON-MILLER ARPT (TEMPLE)-Use rnwys, taxi strips only. (2-4)

★DUNCANVILLE-RADIO: H fac ident changed June 6 to "U".

EAST SIDE ARPT (LONGVIEW)-320' rdo twr being erected 3 mi SSW (196° true) (2-25)

ECTOR CO. ARPT (ODESSA)-W half E/W, S half N/S and all of NE/SW rnwys closed. Use only taxi strips and open portions of E/W, N/S rnwys. Closed ngts. (6-9)

EGYPT, BCN SITE 13, ZN-HU-Temp inop. (5-12)

ELDORADO ARPT-E/W strip soft in wet weather. (3-17)

★ELLINGTON FLD (HOUSTON)-RADIO: Army twr now oper 0800 to 1700. (6-9) These data rcvd too late for inclusion on data page and chart. FLD: Closed to VHB acft except in emerg. Exten Reserve training daily until 1900 Tues and Weds until 2200 under CFR. (6-3)

EL PASO MUN. ARPT-ED ANDERSON FLD-RADIO: Outer mrkr of CAA ILS will shut down soon for installation of compass lctr. (5-26)

ENGLISH FLD (AMARILLO)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-18) FLD: Use rnwys, taxi strips only. (3-1) 175' tank being erected 6 mi WSW (255° true). 250' derrick being used during const, lgtd. (4-5)

FAIRCHILDS, BCN SITE 16, ZN-HU-Temp inop. (5-12)

FLORESVILLE, BCN SITE 2, ZN-HU-Temp inop. (5-12)

FORNEY-RADIO: FM on E course of Dallas Range inop. (5-23)

FORT WORTH AAF-E/W rnwy closed. 40' trees immediate end Rnwy 35L. (5-28)

FORT WORTH SEAPLANE BASE-Proximity to AAF calls for the use of discretion in circling the Seaplane Base. Traffic patterns are all away from the AAF. Ramps and beaching dollies under const. (1-8)

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TEXAS

••FREER ARPT-ABANDONED.
GARWOOD, BCN SITE 11, ZN-HU-Temp inop. (5-12)
GASKIN FLD (SHERMAN)-Cattle on rnwys-emerg landings only. (3-24)
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (3-17)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT. (4-8)
★GRAUWYLER PARK-RADIO: June 5, ident of H fac changed to "G". About June 17, H fac will be decomm. (6-6)
GUTHRIE-RADIO: Ctn - VHF fng unmonitored. (4-10)
HALLETTSVILLE, BCN SITE 8, ZN-HU-Temp inop. (5-12)
••HARLINGEN ARPT-ABANDONED.
★HASLET-RADIO: June 6, ident of H fac changed to "T".
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. Const on rnwys. (4-1)
HICKS FLD (FT. WORTH)-Use strips only-parked acft. (1-2)
HIGHLAND PARK ARPT (DALLAS)-E/W rnwy suitable for lgt plane landing days only. Use rnwys during rainy weather. (1-28)
HITCHCOCK NAF-LTA-RADIO: 6390 kc transmitter and rcvr temp inop. (3-12)
HOUSTON ARPT-RADIO: Outer mrkr of CAA ILS will be shut down soon for installation of compass lctr. Lclzr gnd-checked only, glide path not comm. (6-4) FLD: Use rnwys, taxi strips-ditches parallel E/W,N/S,NW/SE rnwys and N/S taxi strip. Equip. on fld. (4-22)
••JEFFERSON CO. ARPT (BEAUMONT)-Rnwy ctc lgts req only. (5-22). See page 126.
JOAQUIN-RADIO: Ctn - VHF range unmonitored. (4-10)
JUNCTION-RADIO: VHF range will be comm soon at lat 30-38-00, long. 99-58-43, Freq. 108.7 mcs. Ident. "JT". Visual courses: 128°, 308°; aural courses: 38°, 218°. (5-23)
KELLY FLD (SAN ANTONIO)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Acft on fld. Use rnwys only. 190' lgtd twr const W of Rnwy 14-32. 150' water twr under const 1-1/2 mi SE, not lgtd. (4-16)
KENDLETON, BCN SITE 14, ZN-HU-Temp inop. (5-12)
••LA LAJA FLD (DOLORES)-ABANDONED.
LAMESA ARPT-280' rdo twr being erected approx 3.5 mi SE (130° true). (3-17)
LAREDO-RADIO: Soon, weather permitting, rng will be shut down days for installation of auto. rng monitor. sys. (6-3). Stn lctn mrkr oper erratic. (4-16) Soon, all commun and rdo rcvg facs will be shut down for approx 48 hrs for relctn of control quarters. (5-20)
LAREDO ARPT-Flight opers from old terminal S end fld discont. Fence const across taxiway leading to bldg. Fence lctd approx 600' E of W end Rnwy 35R and in direct line with regular fence at S end fld. This section no longer included in arpt area. All opers being conducted from new terminal W side fld. (4-8)
LONE OAK, BCN SITE 5, DL-LV-Temp discont. (9-18)
LOVE FLD (DALLAS)-RADIO: June 2, outer mrkr of CAA ILS shut down for installation of compass lctr. (6-3) FLD: Rnwy 4-22 closed. Soft areas along taxi strips when wet. 30 million candle pwr ceilometer projector 1000' N of twr Acft must be equipped with rdo tuned to twr freq. (4-2) 520' rdo twr under const 8.7 mi SE (120° true). (1-20)
••LUCAS FLD (ARLINGTON)-Formerly Sky Ranch Arpt. (1-26). See page 110.
••MAGIC VALLEY ARPT (MISSION)-ABANDONED.
MAJORS FLD (GREENVILLE)-All lgts temp inop. (1-3)
MARSHALL ARPT-304' twr being erected 3 mi NW (317° true), lgtd. (2-11)
MEACHAM FLD (FT. WORTH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-7). FLD: In wet weather use rnwys, taxi strips only. 260' single vertical twr being const 4 mi ESE (115° true) temp lgtd. Grain elevator 967' MSL, 9100' N of N end N/S rnwy on extended centerline directly on lclzr course. 1000' extension being const S end N/S rnwy. Equip. in const area. Discontinuance of approach lgt lane on N end N/S rnwy postponed. 285' twr rdo stn KCNC being erected 5 mi SE (135° true). Taxi strip leading to Rnwy 17 under const until approx June 23. (6-2)
MONTGOMERY CO. ARPK (CONROE)-Avail. only acft equipped with landing lgts. (3-17)
NIXON, BCN SITE 4, ZN-HU-Temp inop. (5-12)
ORANGE ARPT-Use NW/SE, E/W strips only. Fld flooded after rains. (3-17)
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (3-17)
PERRIN FLD (SHERMAN)-Rnwy 3-21 closed. Acft parked S edge fld.
PILGRIM, BCN SITE 5, ZN-HU-Temp inop. (5-12)
••POUNDS FLD (TYLER)-212' twr Texas Pwr & Lgt Co. 3.5 mi SSE (105° true) at lat 32-20-24, long. 95-20-16 erected and obst lgtd. (5-6) Use rnwys only, bal fld rough and unsafe. (2-21)
PYOTE AAF-Rnwys 18-36,7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)
RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld. (12-27)
RAYMONDVILLE INT, SITE 5, JI-FV-Rough. (3-3)
••RHOME-Circular danger area in vicinity has been discont.
RIO GRANDE VALLEY INTERNATIONAL ARPT (BROWNSVILLE)-RADIO: About June 10, outer mrkr of CAA ILS will be shut down for installation of compass lctr. (6-5) FLD: Rnwy 4-22 closed. Use rnwys, taxi strips only. Civil acft may be cleared thru this arpt for foreign flights. Army acft use Kelly Fld. Obst lgts atop 90' antenna poles 3 mi N inop. 180' rdo twr being erected 3 mi SSE (158° true). Six 40' antenna poles 1/4 mi S and 500 yds E of W side fld, lgtd. (6-5)
ROBERT MUELLER ARPT (AUSTIN)-RADIO: About June 15, CAA ILS will be comm serving NW/SE rnwy with approach from SE. Voice equipped lclzr will oper on 109.5 mcs, ident "AUS", transmitter will be lctd 900' NW of NW end of NW/SE rnwy on rnwy centerline extended. Glide path will oper on 332.6 mcs., transmitter lctn 400' NE of rnwy centerline and 750' NW of the SE end of the NW/SE rnwy. Middle mrkr will be lctd 3636' SE of the SE end of the NW/SE rnwy and 50' SW of the rnwy centerline extended, keying alt dots and dashes; outer mrkr will be lctd 6.12 mi SE of the SE end of the NW/SE rnwy on the rnwy centerline extended, keying two dashes per second. FLD: Acft landing or taking-off on Rnwy 34R use right traffic pattern. Acft landing or taking-off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. E/W taxi strip NW section fld closed. (5-2)
ROCKPORT ARPT-Closed except in emerg. Fire and crash equip. removed. (3-17)
RUSK CO. ARPT (HENDERSON)-Use rnwys and taxi strips only. (1-30)
SATILLO, BCN SITE 9, DL-LV-Temp discont. (9-18)
SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio A.T.C. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or San Antonio Range Stn and adhere to instructions issued by San Antonio A.T.C. Acft outbound from Randolph Fld adhere to instructions issued thru Randolph Twr.
★SAN ANTONIO ARPT-ALAMO FLD-RADIO: June 5, ident of the outer compass lctr of CAA ILS changed to "J". Gnd-checked only. FLD: Acft arriving after dark rqrd to have 2-way rdo. (2-27)
SAN BENITO, INT, SITE 2, JI-FV-Unlgtd hangar 200' NE bcn twr. (1-22)
••SAN MARCOS INT, SITE 31B, JI-FV-Will hereafter be carried under Thompson Fld, Site 31B, JI-FV (San Marcos). See page 124.
SAN MARCOS AAF-Ctn helicopter and liaison pilot training. (10-15)
••SHARY ARPT (MISSION)-ABANDONED
SHEPPARD/KELL MUN. ARPT (WICHITA FALLS) Unlgtd N S rnwy on W side fld rstd to acft of 450 H.P. or less. Left traffic on all rnwys, entering at 45° downwind leg at 800'. Intermittent glider activity on fld and in vcnty. The 14th annual national soaring meet will be conducted July 4 thru the 20th. Glider activity presently in progress will increase as date of meet approaches. (5-28)
SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible from twr due to parked acft. Stn sto acft rcvd only between 0800 and 1630 Mon thru Fri. Ltd transportation no housing, messing facs. (3-21)
STINSON FLD (SAN ANTONIO)-Right traffic Rnwys 9,14,17,22. Left traffic on all other rnwys. Traffic 600' above terrain 1167' MSL. Fld and lighting facs in oper

[redacted]: until 2230. Rnwy lgts on demand after 2230. Acft entering Stinson Fld control zone after dark shall be equipped with 2-way rdo. (5-11)
T.C.U. ARPT (FORT WORTH)-Use E/W strip in wet weather. (2-21)
TERRELL, BCN SITE 6, FV-AG-Temp discont. (9-18)
TEXARKANA-Demolition operations are being conducted approx 15 mi WSW Texarkana arpt, 0800 to 1615 daily except Sat and Sun. All acft cautioned to fly above 1500' over this area.
TEXARKANA ARPT-400' unlgtd twr Rdo Stn KCMC being erected 4.5 mi WSW (250° true). (4-22)
VICTORY FLD (VERNON)-Use rnwys only-parked acft. Avail. days only. (12-30)
VIENNA, BCN SITE 10, ZN-HU-Temp inop. (5-12)
★WACO-RADIO: Auto. range monitor. sys comm June 3.
**WACO MUN. ARPT-No Navy activity.
WHITE FLD (BRADY)-CLOSED. (8-7)
WHITE ROCK ARPT (DALLAS)-520' twr Rdo Stn KIXL-FM being erected 2.2 mi SW (232° true). (6-9)
WINK-RADIO: About June 17, range will be shut down days for installation of auto. range monitor. sys. (6-3)
WINK ARPT-Rnwy lgts inop. (4-26)
WOLFE CITY ARPT-Use in emerg only. (2-25)
**WORMSER ARPT (LAREDO)-ABANDONED.
[redacted]:BRYCE CANYON-RADIO: 116.1 mc transmitter and rcvr temp inop. Too late for ⓪ symbol.
DELTA ARPT-Trans acft use rnwys, taxi strips only. (4-8)
ENTERPRISE INT, SITE 39, LA-SL-CLOSED (rough, soft). (5-29)
HANKSVILLE INT, SITE 54, LA-DV-35' unlgtd pole line 600' S of E portion E/W rnwy. (5-10)
HURRICANE ARPT-Soft when wet. (4-3)
MILFORD ARPT, SITE 45, LA-SL-Unlgtd bldgs SE corner fld S of and adj to bcn twr Bndry lgts N and W sides fld disconnected and bndry mrkrs are being removed for rnwy extensions. Dirt areas soft. Three 25' poles erected N side of new const on E side fld. (5-29)
PROVO ARPT-NNE/SSW, NW/SE rnwys avail. all acft days. ENE/WSW rnwy closed. Equip. on ends of rnwys intermittently. (5-12)
ROBERT H. HINCKLEY FLD (OGDEN)-NE/SW rnwy lgts inop. N/S rnwy lgts oper cont during hrs of darkness when twr inop. Equip. E side fld days. (5-21)
SALT LAKE ARPT NO. 2-Use rnwys, taxiways only-shoulders soft. Closed to ngt opers. (4-20)
SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail. (5-3)
SALT LAKE CITY ARPT NO. 1-Prevailing wind rnwy lgts operating ngts. Use rnwys taxiways only-shoulders soft. Right traffic when winds are from S, SE or E.(4-20)
WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E, in the Low Flight Strip area, from 0800 to 1800. See chart 23.
WENDOVER FLD-Obst lgts on mtns N and W of fld inop. (4-7)
[redacted]:BARRE-MONTPELIER ARPT (BERLIN)-Use rnwys only. (12-31)
BURLINGTON ARPT-Use rnwys only. Parked acft N side E/W taxi strip. (4-3)
LEMMINGTON-COLEBROOK ARPT-Avail. emerg landings only. (5-13)
[redacted]:ALBERTA ARPT-ENE/WSW, NNW/SSE strips rough. Ends and sides mrkd by 12' yellow mrkrs. (5-21)
ALEXANDRIA ARPT-NW/SE rnwy lgtd until 2100 every ngt for 1000'. Approx 1500' of AGA reflectors extending beyond the lgts. Model Airplane Meet will be held July 20th between 1000 and 1700. Trans traffic should exercise due ctn. (5-28)
ALTAVISTA ARPT-200' NE end of fld unusable in wet weather. (2-4)
★ARCOLA-RADIO: VHF voice fac avail. on 116.1 mcs. (6-3)
BLACKSTONE ARPT-Tetrahedron oper erratic and lgts inop. 5'' rise of concrete at seams 24' wide on SW side NW/SE rnwy, 450' SE of intersection NE/SW,NW/SE rnwys, mrkd days only. Obst lgts on structures and poles N side fld inop. (6-5)

[redacted]:**BYRD FLD (RICHMOND)-RADIO: May 30, CAA ILS bndry mrkr decomm. Twr equippdd to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-3)FLD: Ltd Army svcg facs. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft. Acft landing this fld without establishing rdo commun with twr watch carefully for lgt gun signals-twr lctd in center of triangle of rnwys. (2-18)
**CAPE CHARLES ARPT-Formerly carried as Dixie Holland Fld. Lat 37-16-30, long. 75-59-15. (11-25). See page 96.
CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (1-2)
CHINCOTEAGUE NAAS-Closed 1700 to 0800 except on req with 2 hrs notice. Bcn operates all ngt except during local ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. IFR flight plans accepted only 0800 to 1630 Mon thru Fri except on holidays and on 2 hrs notice. Fld lighting sys under repair unreliable. Use rnwys, taxi strips only-soft shoulders and trenches along sides of rnwys and taxi strips. Equip. on fld. Pilotless rdo-controlled acft operating days Mon thru Fri. Other acft in vcnty proceed with ctn. (2-28)
DAHLGREN NAF PROVING GROUNDS-CLOSED TO ALL (INCLUDING TRANS MIL) ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Except in emerg or on req (with two hrs notice) fld open only 0730 to 1615 Mon thru Fri inclusive. Off. flights must be cleared thru one of the following: NAS Anacostia, D.C.; NAS Patuxent River, Md.; NAS Norfolk, Va.; NAS Quonset Point, R.I.; Cape May CGAS, N.J.; Inyokern NAF, Calif.; NAF Torpedo Stn, Newport, R.I.; Naval Acft Factory Philadelphia, Pa.; Cherry Point MCAS, N.C.; Quantico MCAS, Va.; AAF Proving Gnds, Eglin Fld, Valparlso, Fla.; Langley Fld, Va.; Wright Fld, Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md.; Lakehurst NAS, N.J. (3-10)
★DANVILLE-RADIO: Stn manned only 0800 to 2400. MH fac oper cont 2400 to 0800 other hrs on req.
DANVILLE ARPT-Rnwy lgts will be operated by INSAC personnel 0800 to 2400. From 2400 to 0800 lgts will be unattended and rnwy nearest in line with wind direction at 2400 will be lgtd. Grassy plots soft when wet, rough when dry. Use only hard surfaced rnwys and taxi strips. Tetrahedron free swinging. (5-26)
EMPORIA ARPT-Fixed tee, wind sock E side fld indicating rnwy in use. (12-28)
FENTRESS NAAS-Use in emerg only (caretaker status-no facs). (2-19)
HARCUM ARPT-Use NE/SW strip only between yellow cone mrkrs. (3-31)
HOPEWELL ARPT-NE/SW and NW/SE strips under const. (3-21)
LANGLEY FLD-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Army rng flgt-checked, courses correctly aligned. (5-22) FLD: Rnwy 2-20 closed. Rnwy 12-30 closed to all 4-engine acft. (1-14)
LOVING FLD, SITE 35A, NA-WA (PULASKI)-Observe right traffic for landings from SW on NE/SW rnwy. (4-4)
LYNCHBURG-RADIO: Rng flgt-checked May 27, courses correctly aligned.
MONOGRAM NAAS (DRIVERS)-Use in emerg only (caretaker status-no facs). (2-19)
MT. VERNON-See Special Notice under District of Columbia.
NORFOLK-RADIO: VHF rng on 108.7 mcs shut down for an indefinite period. (5-8)
NORFOLK NAS-EAST FLD-Pilots on S-bound coastal flights inbound IFR between 0700-2400 to NAS Norfolk shall establish rdo ctc with Navy Chincoteague Rdo for further clearance instructions from ATC Norfolk. Pilots on N-bound coastal flights inbound IFR between 0700-1900 to NAS Norfolk shall establish ctc with Navy Weeksville Rdo for further clearance instructions from ATC Norfolk. Pilots on either S-bound or N-bound coastal flights inbound IFR to NAS Norfolk at other than the above stated hrs ctc Norfolk Rdo or Navy Norfolk Twr earliest possible for further clearance instructions. (3-18)
OCEANA NAAS-Facs avail. 0600 to 1630 Mon thru Fri. Acft clearances not accepted at other than designated hrs. Emerg acft clearances accepted any time upon prior notification. (4-8)
ORANGE CO. ARPT-Strips muddy in wet weather. (4-4)
PENINSULA ARPT (HAMPTON)-Right traffic whenever wind conditions require take-offs and landing toward SW (Newport News). Left hand pattern when wind conditions require take-off and landing to NE (Hampton). Traffic direction and pattern indicated by T on roof of hangar. (5-19)

[redacted]:PRESTON GLENN ARPT (LYNCHBURG)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-8) FLD: Use only rnwys during and after wet weather. Two poles 4200' E of E/W rnwy. (2-7)
QUANTICO MCAS-Closed sunset to sunrise except in emerg. (5-6)
RICHMOND-Elko Aux Fld 5 mi E of Byrd Fld is similar in design and layout to Byrd Fld, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse the two flds.
ROANOKE-RADIO: Rng figt-checked May 26, courses correctly aligned
SHENANDOAH ARPT-N/S strip under const. Grading equip. on fld. Soft in wet weather. NE/SW strip mrkd by cone mrkrs. (3-15)
UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (3-17)
WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (3-7)
WOODRUM FLD (ROANOKE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-10) FLD: Ext. local traffic days. Acft landing without establishing rdo commun with twr must conform to local traffic patterns. Observe twr at all times for lgt gun signals especially on base leg and final approach. Clear rnwy immediately after landing. Mil acft utilizing VHF freq should listen for control twr instructions or observe lgt signals from twr in response to their transmissions. All acft departing should determine proper rnwy and taxi route from twr or operations prior to taxiing. (2-28)
[redacted]:SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3, Spokane Sectional, and Washington 5 Danger Area Charts).
ARLINGTON AERONAUTICAL SCHOOL ARPT-Unmrkd cable span being erected 11 mi E (78° true). Cable will run N/S between lat 48-13, long. 121-55, on Wheeler Mtn and lat 48-11-30, long. 121-55-00 on Blue Mtn. Cable anchorage levels at approx 2800' on both Mtns and will be approx 1000' above valley floor. Vertical-down-haul will be attached at mid-span terminating at the ground in Jim Creek Valley. Bcn inop. (4-25)
**AUBURN ARPT-Correct lat 47-17-45, long 122-11-30. (1-2)
BARRY'S SKYHARBOR ARPT (TACOMA)-Right traffic, W take-offs and landings (3-17)
BELLEVUE AIRFLD (SEATTLE)-Right traffic when landing to S. (3-19)
BELLINGHAM ARPT-Do not taxi off surfaced areas-sodded portions soft Day traffic controlled by white T center of arpt. N/S rnwy closed-equip S end (5-28)
BOEING FLD (SEATTLE)-Daylgt CFR opers-lgt acft use mrkd dirt landing strip E side fld adj to main rnwy. Traffic patterns made to E at 1000'. Right traffic when taking off to NE. Flash. amber lgt on twr indicates right pattern in relation to dirt landing strip. All turns, taxiing off or back on dirt area made toward twr Acft using dirt strip avoid flying over main rnwy or approaches Watch for air and ground traffic. Lgt gun signals for take-offs and final approaches only Heavy acft use rnwys, taxi strips. Equip. on fld. All unscheduled acft landing at Boeing Fld must register with County Fld Office, except those who have made other arrangements with fld management. Equip. S of Admin Bldg loading ramp, avoid flagged area. Holes E side main taxiway, N and S of Admin Bldg. (4-4)
BUENA ARPT-Right traffic E take-offs and landings. (3-17)
CLE ELUM ARPT-Right traffic E take-offs and landings. (3-17)
COUNTY-CITY ARPT (PORT TOWNSEND)-Right traffic E takeoffs and landings
COUPEVILLE OLF-Closed except in emerg.
FELTS FLD (SPOKANE)-Lgt non-rdo equipped acft use graded area S of main rnwy. Fancher Bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. N side rnwy mrkd. Equip. on fld. (4-22)
KELSO ARPT, SITE 61A, SF-SA-Equip. on fld. (6-9). These data rcvd too late for ⓪symbol.
KENMORE ARPT (BOTHELL)-Avail. emerg use only-cattle. (9-10)
KITSAP CO. ARPT (BREMERTON)-Lgts inop. (5-12)
[redacted]:L & D SEAPLANE ANCHORAGE (PROSSER)-Ramp washed away. Possible to moor plane to existing boat float. Circle arpt lctd 1 mi N for gas truck or fone Prosser 91114. (5-20)
LONGVIEW SKYHARBOR SEAPLANE ANCHORAGE-Right traffic S takeoffs and landings (3-17)
MARTIN FLD (COLLEGE PLACE)-Const, equip. on strips. Strip 2500' X 150' S side of fld flagged for landing. Taxi strip adj. Center of fld rough and unsafe for landing. (4-29)
McCHORD FLD (TACOMA)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Army ILS (CAA type) temp inop. Middle mrkr to be relctd and present equip will be modified (3-13) FLD: Use rnwys, taxiways only. Equip. on fld. (12-11)
MT. VERNON OLF-Closed except in emerg. Training use rqrs 24 hrs advance notice thru Whidbey Island NAS. Bcn inop. (3-20)
NELSON RIDGE, SITE 6, SA-HL-Soon bcn will be dismantled and relctd to lat 47-11-30, long. 121-01-42, 1-1/2 mi SE of present lctn. After relctn bcn will be recomm with no change in char. (5-13)
OLYMPIA ARPT-Rot. bcn flash. green and yellow used to warn local and trans acft of approach of scheduled transport acft. Bcn turned on five minutes before arvl and turned off upon arvl and landing of acft. (12-7)
PAINE FLD (EVERETT)-Lgts inop. (5-29)
PASCO-See Special Notice (first item under state heading).
PASCO NAS-Use in emerg only (caretaker status - no facs).
PIERSON ARPK (VANCOUVER)-Const. Use North E/W strip only (3-17)
PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-Avail lgt acft only. (11-26)
PUYALLUP ARPT-Right traffic N takeoffs and landings. (3-17)
**R. C. SUGG ARPT (ORCHARDS)-Name changed to Evergreen Fld. (Orchards) See page 142. (3-13) Port lgts prior req.
S & S AIRSTRIP (PUYALLUP)-Right traffic S takeoffs and landings. (3-17)
SAVAGE FLD (CHENEY)-Moderate soil erosion intmtly (9-14)
SEATTLE NAS-Single-engine acft approach from Kirkland 1500' descending to 1000' over the stn. Seaplanes approach over Lake Washington from N or S under 200'; landing area lgtd on req between sunset and sunrise. Rnwy 14-32 lgtd 30 minutes prior to arvls and dptrs between sunset and sunrise and on req. Tetrahedron lgtd sunset to sunrise. (5-27)
**SEATTLE SKY RANCH ARPT (ISSAQUAH)-Ctc and range lgts avail. prior req. (5-28) See page 142.
**SEATTLE-TACOMA ARPT-RADIO: Outer mrkr of CAA ILS unmonitored. (6-5) FLD: Glide path bldg and antenna mast, erected and obst lgtd 400' W of N/S rnwy and 1150' from the S end thereof. (5-22) Equip. on fld days. (5-22)
SKY RANCH ARPT (COLLEGE PLACE)-Equip. N end fld days. Use only grass strip S side fld. (5-6)
SPRAGUE ARPT-Entire fld rocky-dangerous. Emerg use only. (5-20)
SUNNYSIDE ARPT-Right traffic, S takeoffs and landings. (3-17)
TONASKET ARPT-Right traffic S or SW takeoffs and landings. (3-17)
WALLA WALLA AAF-RADIO: Army twr will be discont soon. VHF DF stn will be relctd to Spokane AAF in near future. (6-9) These data rcvd too late for ⓪symbol. FLD: No opers office. Equip. on fld days Mon thru Fri. (3-24)
WESTPORT ARPT-Driftwood on fld after extremely high tides. (1-2)
WHIDBEY ISLAND NAS-AULT FLD-Bcn operates during IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. (4-3)
WILBUR ARPT-Taxiway const W side of strip. (4-25)
[redacted]:ELKINS ARPT-Ctc Elkins Rdo or circle fld before landing. (3-14)
LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy rains. (4-10)
HUNTINGTON ARPT-305' twr Rdo Stn WHTN being erected 2.1 mi SSE. (5-21)
SCOTT FLD (BECKLEY)-Use right traffic on N course. (4-7)
WHEELING-RADIO: Ctn - VHF rng unmonitored. (4-9)

WISCONSIN:CLINTONVILLE ARPT-Six sod strips avail. (4-22)
CHAPLIN'S ARPK (PLYMOUTH)-Only E/W strip avail. (5-23)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts. (4-22)
EAU CLAIRE MUN. ARPT-Ctn, equip. on rnwys and fld area. (4-23)
GEN. MITCHELL FLD (MILWAUKEE)-Equip. on fld days. Right turn procedure rstd to lcly based acft. All acft land according to tetrahedron unless otherwise instructed by twr. All pilots must register in Admin Bldg upon arvl and dptr. Position lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. Ditch extending 150' S of intersection NE/SW, NW/SE rnwys paralleling SE portion NW/SE rnwy for 1/2 mi. Obst lgt atop 95' chimney SW corner fld inop. Rdo rcvr req for all lcly based acft. E/W **rnwy** closed until approx June 28-avail. taxiing only. (5-13)
GINNOW ARPT (OMRO)-Use strips only. (4-1)
LA CROSSE ARPT-Use rnwys only. (5-23)
MERRILL ARPT-Closed to heavy acft, soft. **Lgt planes use at own risk.** Use rnwys only. (3-23)
MOREY ARPT **(MADISON)-Use strips** only. (5-19)
OCONTO **FALLS ARPT-Use** strips only. (3-26)
RICHLAND FLYING **CLUB INC (SEXTONVILLE)-Correct lat 43-17-00, long 90-17-30. Formerly carried as Richland center Arpt., Richmond, Wisc. See page 30. Equip. on fld. (5-5)
SHAWANO ARPT-Soft-land **at own risk. (3-13)**
SKY HAVEN ARPT (MILWAUKEE)-Use ctn on S 1/3 portion N/S strip. Stay on strip. (4-7)
STEVENS POINT ARPT-Use rnwys only. (5-23)
TOMAH ARPT-N/S strip under const. (5-19)
TRUAX FLD (MADISON)-Use rnwys only. Grass area 75' wide adj to rnwys rough, **bal of grass areas unsafe and rough. Flood lgts and svcg not avail. 2230** until 0700 **daily with the exception of Thurs when flood lgts and svcg not avail.** after sunset.

WISCONSIN:WAUPUN ARPT, new-New arpt under const 2 mi WSW Waupun. Closed to trans acft. (3-15)
WINNEBAGO CO. ARPT (OSHKOSH)-Use rnwys only. All traffic left hand, 600' except E and NE which is right traffic 600'. (4-7)
WYOMING:ARCHER-RADIO: FM on E course of Cheyenne range will be decomm about May 29.
CHEYENNE-RADIO: About June 12, the Hillsdale VHF bone shaped FM will be comm at lat 41-09-30, long. 104-31-30, 16.2 mi E of Cheyenne low freq range. Ident. one dash.
CHEYENNE ARPT-RADIO: CAA ILS will be comm soon. Voice equipped lclzr on 110.3 mcs. Ident. "CX". Lctd 457' W of the W end of the E/W rnwy. Mag. heading for landing: 262°. Glide path on 335 mcs, lctd 982' W of approach end and 400' S of centerline of E/W rnwy. Middle mrkr lctd 3461' E from approach end E/W rnwy, keyed alternate dots and dashes. Outer **mrkr** 32,274' **E** from **approach** end of E/W rnwy, keyed 2 dashes. Middle compass **lctr on** 230 **kcs.** Ident. **"X"**. Outer compass lctr on 260 **kcs.** Ident. "C". (5-23)
CHEYENNE ARPT-Equip. **on fld days. Lgtd** bldg between **E/W rnwy and taxi strip,** 1000' from E end. (1-1)
JACKSON MUN. ARPT-Cattle on **fld** intmtly. **(5-20)**
RAWLINS ARPT-Equip. on **rnwys.** (4-17)
SHERIDAN-RADIO: 116.1 mc transmitting **and rcvg facs inop. (6-9). These data** rcvd too late for (i) symbol.
SHERIDAN CO. ARPT-N/S rnwy **unsafe heavy acft. Taxi strips parallel all rnwys** except N/S **rnwy** and **terminate at ramp. Equip. on fld intermittently. Ctc Sheridan** rdo for fld lgts. **(2-6)**
WARDWELL FLD **(CASPER)-Use rnwys, taxi strips only, bal fld rough. 40' unlgtd** pole erected at **30 million candle pwr ceilometer projector 1000' N of hangar.(4-8)**
WORLAND ARPT-Strips **under const. Equip. on strips days. Use with ctn. (5-21)**

NEW AIRPORTS

(These facilities will be found on both the data page and chart)

FACILITY	LAT.	LONG.	PAGE
ALABAMA			
Alatennga (Bridgeport)	34-59-00	85-44-30	90
Headland	31-21-45	85-18-45	130
Jackson (Livingston)	32-35-45	88-11-15	114
Tri Cities (Tuscumbia)	34-43-00	87-42-30	90
Valley (Lanett)	32-50-45	85-09-45	116
Winfield Mun	33-54-30	87-49-15	114
ARIZONA			
Ajo	32-26-30	112-50-00	100
Peach Springs	35-32-30	113-25-00	78
Pine	34-22-30	111-27-15	80
Wickenburg(Wickenburg)	34-00-00	112-45-00	78
Winona	35-08-45	111-16-15	80
ARKANSAS			
De Queen	34-03-45	94-23-00	108
Heber Springs	35-30-30	92-01-45	88
CALIFORNIA			
Boulder Creek	37-09-05	122-10-00	72
Calpine	39-39-15	120-28-00	20
CONNECTICUT			
Ansonia	41-20-45	73-03	54
Island (Shelton)	41-18-00	73-04-15	54
FLORIDA			
Belvedere **Co**untry Club (West Palm Beach)	26-41-45	80-05-30	136
Groveland	28-32-00	81-50-30	134
Howey(Howey in **the Hills)**	28-42-15	81-46-00	134
Hurst (Live Oak)	30-16-30	83-01-00	132
Hutchinson's Aviation Port (Panama City)	30-12	85-49	130
Sandpiper (Port St. Joe)	29-48-30	85-16-45	130
Silver Springs Aero Lodge (Silver Springs)	29-13-00	82-03-30	132
South Fla. (Ft. Lauderdale)	26-02-45	80-13-30	136
Spruce Creek (Samsula)	29-04-30	81-02-00	134
Tarpon Springs	28-08-45	82-47-15	134
Tropicaire (Miami)	25-54-30	80-12-30	136
Winter Garden	28-35-00	81-33-30	134
GEORGIA			
Brunswick Arpk	31-11-15	81-28-45	132
Glennville	31-55-20	81-57-30	118
Jesup	31-38-00	81-51-30	132
Sky Haven, Inc (Albany)	31-33-20	84-10-21	132
IDAHO			
New Meadows	44-58-45	116-17-00	4
ILLINOIS			
Lincoln Flying Svc.	40-09-15	89-23-45	40,44
Pona	39-23-00	89-02-00	40
Sharon (Fremont)	40-31-00	89-28-45	40,44
Virden	39-29-30	89-47-15	40
INDIANA			
Boswell	40-32	87-23	44,46
Crays Fly. Svc. (Bloomfld)	39-02	87-01	58
Elnora	38-52-30	87-04-30	44,46
Fair Acres Arpt(Buck Crk)	40-29	86-45	44,46
Hartford City	40-27-30	85-24-00	46
Jackson (Francesville)	40-57-30	86-58-00	44,46
Kentland Air Service (Goodland)	40-47-30	87-21-45	44,46
Lanesville	38-13-00	86-00-45	58
Lincoln (Dora)	40-45-15	85-41-15	46
Liniger (Preble)	40-49-45	84-59-30	46
Mentone	41-09-00	86-03-30	46
Patoka	38-24-30	87-36-30	58
Riverview(Jeffersonville)	38-18-30	85-41-00	58
Riverview (Utica)	38-18-15	85-41-00	58
Sky Park (Corydon)	38-13-30	86-08-15	58
Skyway (Gary)	41-35-15	87-25-00	42
KANSAS			
Augusta	37-41-45	96-58-00	84
Bucklin	37-32-45	99-38-45	84
Cedar Vale	37-07-00	96-31-15	84
Country Club (Stanley)	38-52-00	94-38-00	42
Elk County (Moline)	37-22-45	96-16-00	84
Elkhart	37-00-00	101-53-00	82
Firebaugh (St. John)	38-01-30	98-45-15	84
Hap (Hugoton)	37-10-15	101-22-00	82
Hi-Way (Kingman)	37-39-15	98-09-30	84
Protection	37-12-00	99-28-45	84
Stanley Co. Club(Stanley)	38-52-15	94-38-00	42
KENTUCKY			
Betzel (Lebanon)	37-51-15	85-44-45	58
Harlan (Dillon)	36-54-45	83-12-15	92
Paintsville	37-49-45	82-46-00	60
Port Richmond(Richmond)	37-44-45	84-12-45	60
Prestonburg	37-42-30	82-45-30	60
Ross (Melbourne)	39-01-45	84-20-30	60
LOUISIANA			
Arneson (Quebec)	32-26-15	91-18-45	112
Johnson (Logansport)	31-59-00	93-59-15	112
Kentwood	30-57-15	90-30-30	128
Monroe Arpk	32-31-30	92-06-45	112
Pravado (Slidell)	30-17-00	89-47-45	128
MAINE			
Northland (Presque Isle)	46-45-30	67-59-30	17
MARYLAND			
Aberdeen Arpk	39-30-15	76-10-30	66
Annapolis Inc.	38-57-00	76-29-15	66
Davis (Gaithersburg)	39-14-45	77-09-00	66
Mattaponi Sky Club(Croom)	38-44-15	76-44-45	66
Midway Arpk (Sho**well**)	38-23-30	75-11-45	66

NEW AIRPORTS

(These facilities will be found on both the data page and chart)

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FACILITY	LAT.	LONG.	PAGE
MASSACHUSETTS			
Clark (Hanover)	42-06-15	70-52-00	56
MICHIGAN			
Muzzy's (L'Anse)	46-43-15	88-26-00	16
Romeo	42-47-45	82-58-15	32
Tulip City (Graafschap)	42-44-45	86-06-30	30,32
Utica	42-38-30	83-05-00	32
Wings (St. Johns)	42-58-30	84-36-00	32
MINNESOTA			
Springfield	44-14-00	94-59-00	13
MISSISSIPPI			
Baldwyn	34-30-45	88-37-15	90
Crystal Springs	31-58-45	90-21-00	112
Longview (Warrenton)	32-14-30	90-55-30	112
Jones (Marigold)	33-51-00	90-43-15	112
McCain (Benoit)	33-39-45	91-00-15	112
Sayle (Charleston)	34-00-15	90-06-45	114
Watts (Rochdale)	34-05-45	90-51-00	112
MISSOURI			
Montgomery (Kahoka)	40-25-30	91-42-45	40
Myers-Hughs (Lucerne)	40-27-30	93-17-15	40
NEBRASKA			
Geneva Fly.Svc.(Geneva)	40-30-30	97-36-30	36
Harmon (Kearney)	40-43-00	99-06-00	36
Heller Air Ranch(Wisner)	41-55-30	96-57-30	36
Roush (Grand Island)	40-54-00	98-20-00	36
Superior Mun (Superior)	40-03-00	98-03-45	36
NEW HAMPSHIRE			
Franklin Airways Inc.	43-25-30	71-39-30	56
Riverside (Ashland)	43-44-30	71-40-15	56
Silver Ranch(E. Jaffrey)	42-48-30	72-00-30	54
NEW JERSEY			
Forsgate (Jamesburg)	40-20-30	74-27-45	70
Mahalchik (Columbus)	40-02-00	74-43-45	70
Mid-Jersey(New Brunswick)	40-28-45	74-29-45	70
Ridgewood Air Club	40-57-45	74-06-00	70
Star Harbor (Williamstown)	39-41-00	74-59-30	70
Trenton-Robbinsville (Robbinsville)	40-12-30	74-36-15	70
Vineland	39-25-45	75-02-45	66
NEW MEXICO			
Cooper (Deming)	32-13-45	107-45-15	104
Estancia	34-46-45	106-03-45	82
Grants Landing Strip	35-09-15	107-53-30	80
Kuykendall (Lordsburg)	32-21-30	108-42-45	104
Longhorn (Moriarty)	35-00-00	105-54-00	82
Mundy (Hatch)	32-38-30	107-03-30	104
Vallejo Ranch **(Springer)**	36-21-15	104-50-30	82
NEW YORK			
Duanesburg	42-45-30	74-08-00	54
Gardiner	41-40-30	74-09-15	54
Kline-Kill (Ghent)	42-21-00	73-38-15	54
New Sayville (Sayville)	40-45-45	73-04-30	70
Rattlesnake (Shiprock)	36-45-45	108-48-00	80
NORTH CAROLINA			
Albermarle	35-22-15	80-13-15	94
Ayden	35-27-45	77-25-30	96

FACILITY	LAT.	LONG.	PAGE
NORTH CAROLINA			
Bladenboro	34-32-45	78-46-30	94
Creswell	35-52-30	76-23-45	96
Dowless (Abbottsburg)	34-31-15	78-43-45	94
Mt. Holly	35-19-00	81-03-15	92
Rendezvous (Jonesville)	36-14-00	80-49-45	92,94
Riverside Arpk(Morganton)	35-44-30	81-43-30	92
Smith's (Coats)	35-25-30	78-40-15	94
Winterville	35-31-30	77-23-30	96
Woodville	36-14-00	76-21-00	96
NORTH DAKOTA			
Conrad Bros.(Page)	47-09-45	97-29-00	12
Selfridge	46-01-00	100-57-30	9
Walkinshaw (Argusville)	47-04-00	97-02-00	12
OHIO			
Ada	40-47-15	83-49-45	46
Austintown	41-05-15	80-45-15	50
Bluffton Fly Svc (Bluffton)	40-53-00	83-51-45	46
Bryan	41-31-00	84-33-00	46
Calvin (North Lima)	40-58-15	80-42-15	50
Continental	41-04-00	84-16-15	46
Elser (North Lima)	40-57-30	80-40-30	50
Lake Milton	41-06-00	80-58-15	50
Newton Falls	41-10-15	81-00-00	48
Stout (N. Kingsville)	41-54-30	80-40-00	50
Short's (Archbold)	41-31-30	84-19-45	46
Southern Awys (Woodworth)	41-01-00	80-41-00	50
Tuttle (North Madison)	41-49-30	81-05-00	48
Welsh Fly.Svc. (North Lima)	40-54-45	80-39-15	50
Whiteley (Alliance)	40-54-15	81-04-00	48
OREGON			
Division Street(Gresham)	45-30-15	122-28-30	142
Skylife (Fairview)	45-32-30	122-31-15	142
Springfield	44-03-00	122-59-30	1
SOUTH CAROLINA			
Bishopville	34-14-45	80-14-30	118
Bratton (Chester)	34-41-30	81-11-45	92
Mack Lamar (Clio)	34-36-00	79-31-00	94
SOUTH DAKOTA			
Deiter (Redfield)	44-52-45	98-23-30	12
TENNESSEE			
Churchill	36-31-00	82-42-00	92
Clinton-Oak Ridge(Clinton)	36-02-30	84-07-15	92
Copperhill-Ducktown (Copperhill)	35-00-45	84-21-00	92
Grey (Athens)	35-29-00	84-35-30	92
La Follette (Jacksboro)	36-20-30	84-09-30	92
Loudon	35-43-45	84-22-30	92
Mc Coig (Newport)	35-58-00	83-16-30	92
Pemberton (Glenmary)	36-19-00	84-37-00	92
Waterlevel (Cleveland)	35-08-30	84-49-15	92
White Pine	36-06-15	83-17-00	92
TEXAS			
Aero-Tel (Austin)	30-22-45	97-43-45	124
Costello Isl (Graford)	32-54-00	98-27-30	106,120
Crowell	33-58-45	99-42-45	106
Decatur	33-15-30	97-35-00	108
Eagle (Fairfield)	31-43-45	96-08-15	108

FACILITY	LAT.	LONG.	PAGE
TEXAS			
Faust (New Braunfels)	29-43-30	98-05-15	124
Gillespie (Fredericksburg)	30-14-30	98-54-45	124
Irving Arpk	32-50-00	96-56-00	108
McCombs #1 (Pine Springs)	31-58-00	104-44-00	104,120
McCombs #2 (Pine Springs)	31-58-30	104-40-40	104,120
Marshall's (Dallas)	32-44-15	96-41-15	108
Mayan Ranch (Bandera)	29-43-15	99-05-15	124
Memphis Mun	34-44-15	100-31-30	84
Montague's Ranch (Bandera)	29-45-45	99-07-00	124
Pulley (Arlington)	32-45-00	97-06-30	108
Rodeo City (Jacksboro)	33-16-45	98-08-45	108
St. Edwards (Austin)	30-12-45	97-44-45	124
Saint Jo	33-42-30	97-31-15	108
Skyview (Ft. Worth)	32-51-15	97-25-45	108
Snyder	32-42-00	100-55-00	106,120
Southworth (Ft. Worth)	32-42-15	97-17-00	108
Stanton	32-09-15	101-47-45	106,120
Thalmann's Ranch(Bandera)	29-46-20	99-08-30	124
Vernon	34-07-30	99-16-30	106
West End (Kerrville)	30-03-45	99-10-00	124
VERMONT			
Lemington-Colbrook (Lemington)	44-54-30	71-30-45	17
Post Mills (Thetford)	43-53-00	72-15-15	54
VIRGINIA			
Chatham-Gretna(Chatham)	36-52-15	79-17-30	94
Culpeper	38-27-45	78-01-00	64
Elkton	38-26-30	78-39-30	64
Luray	38-38-30	78-27-45	64
New Market-Timberville (Timberville)	38-39-15	78-42-30	64
Norview (Norfolk)	36-54-15	76-14-45	96
Parnell (Richmond)	37-30-15	77-27-15	66
Peanut City (Suffolk)	36-46-00	76-35-30	96
Pennington (Brodnax)	36-43-00	78-03-00	96
Portsmouth	36-47-15	76-26-45	96
Roosevelt (Portsmouth)	36-49-15	76-23-15	96
Thalia (Virginia Beach)	36-51-15	76-07-15	96
Waynesboro	38-04-30	78-56-00	66
WASHINGTON			
Ocean Park Sky Port (Klipsan Beach)	46-27-15	124-03-00	1
WISCONSIN			
Berlin	43-58-15	89-00-30	16,30
Boscobel	43-09-30	90-40-45	29
Castle Rock (Wonewoc)	43-40-00	90-13-45	30
Coloma	44-03-30	89-33-45	16,30
Lancaster Fly.Svc.	42-51-15	90-40-45	29
Mauston (Lemonweir)	43-46-00	90-02-45	29
Owen	44-57-45	90-33-15	13,30
Platte (Platteville)	42-43-30	90-25-00	30
Shell Lake Mun	45-44-00	91-54-45	13
Thorp	44-56-30	90-48-30	13
Thorp City Arpt	44-57-15	90-47-30	13
Tucker Fly.Svc. (New Lisbon)	43-53-45	90-10-30	30

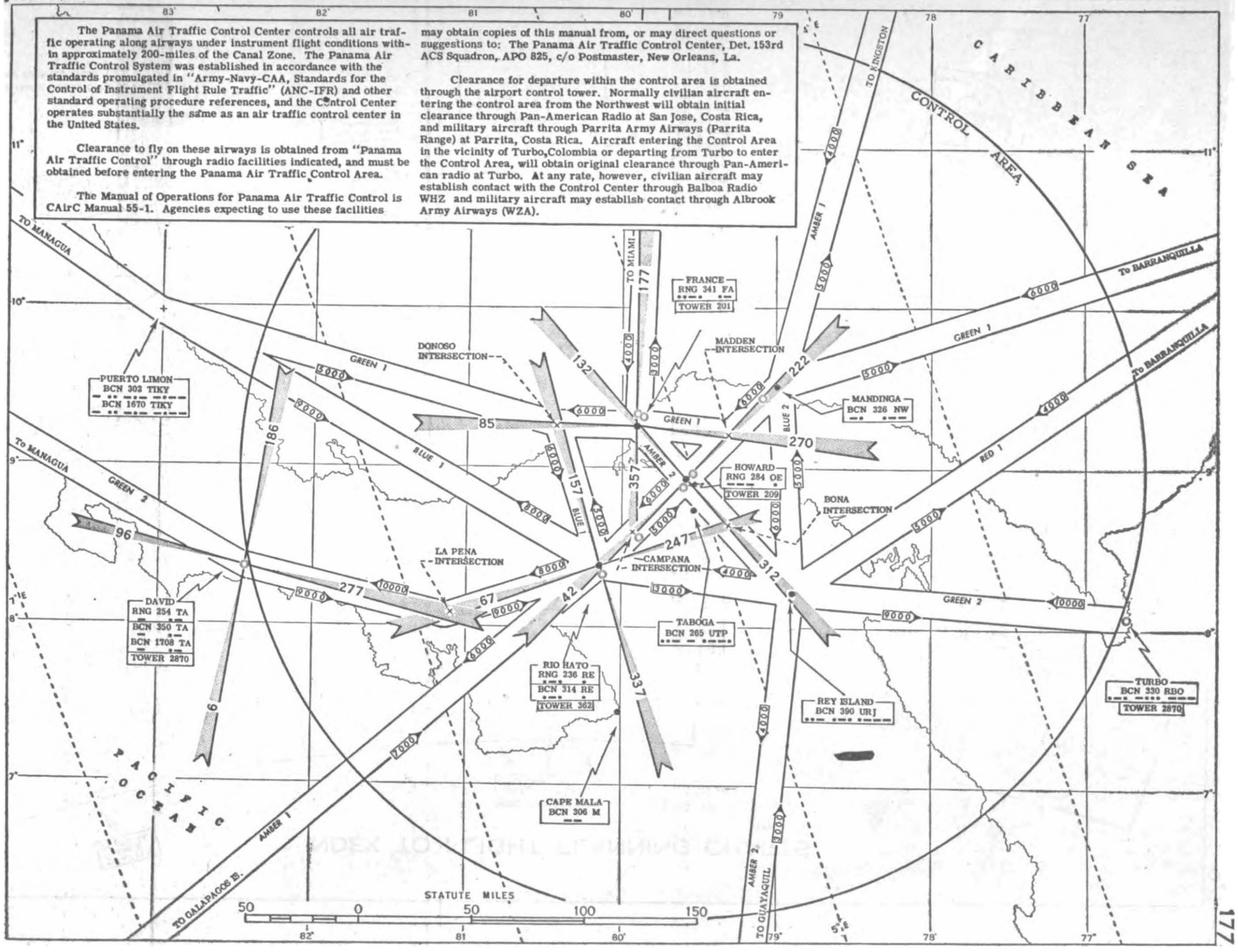
PANAMA AIRWAY TRAFFIC CONTROL AREA

The Panama Air Traffic Control Center controls all air traffic operating along airways under instrument flight conditions within approximately 200-miles of the Canal Zone. The Panama Air Traffic Control System was established in accordance with the standards promulgated in "Army-Navy-CAA, Standards for the Control of Instrument Flight Rule Traffic" (ANC-IFR) and other standard operating procedure references, and the Control Center operates substantially the same as an air traffic control center in the United States.

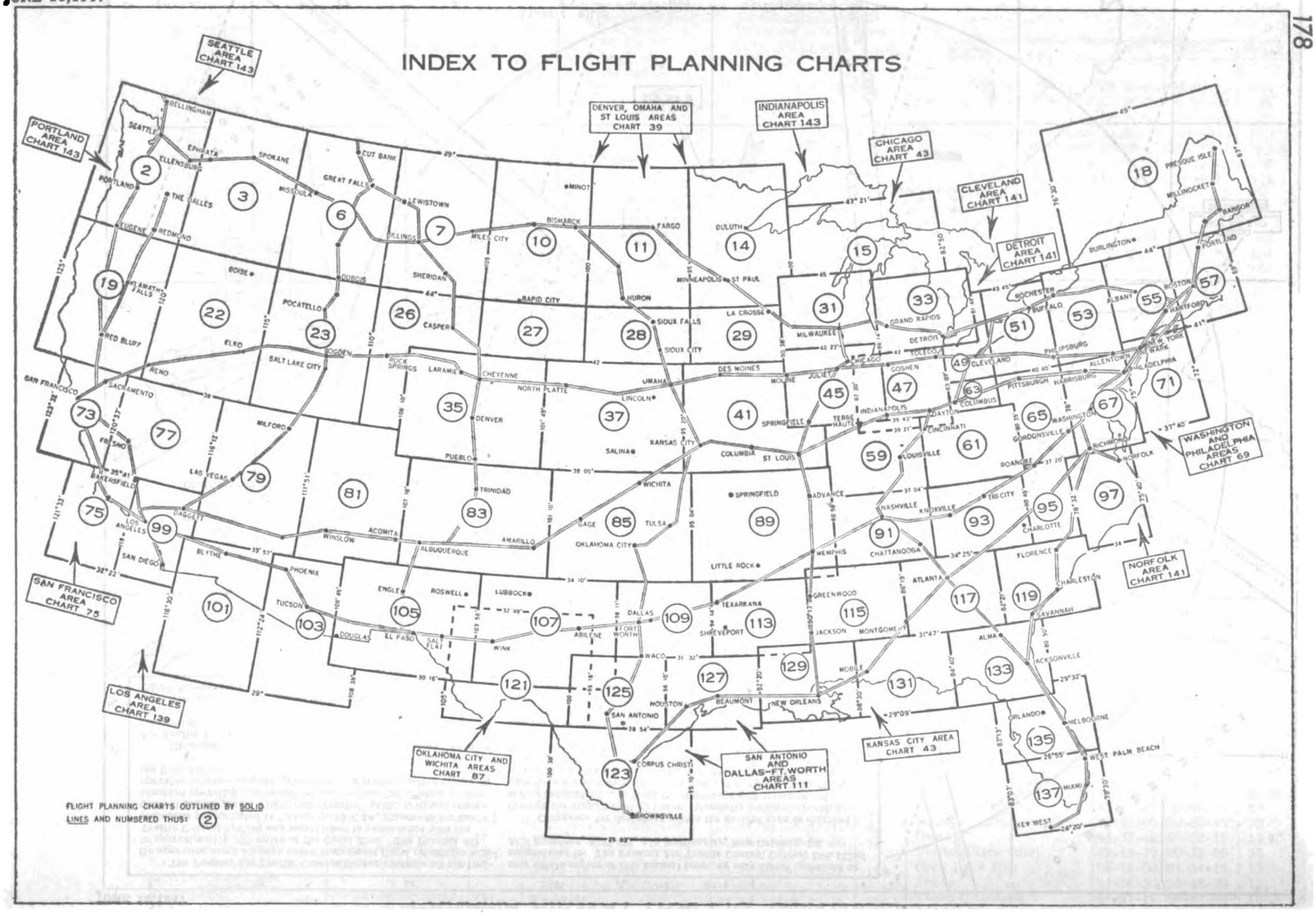
Clearance to fly on these airways is obtained from "Panama Air Traffic Control" through radio facilities indicated, and must be obtained before entering the Panama Air Traffic Control Area.

The Manual of Operations for Panama Air Traffic Control is CAirC Manual 55-1. Agencies expecting to use these facilities may obtain copies of this manual from, or may direct questions or suggestions to: The Panama Air Traffic Control Center, Det. 153rd ACS Squadron, APO 825, c/o Postmaster, New Orleans, La.

Clearance for departure within the control area is obtained through the airport control tower. Normally civilian aircraft entering the control area from the Northwest will obtain initial clearance through Pan-American Radio at San Jose, Costa Rica, and military aircraft through Parrita Army Airways (Parrita Range) at Parrita, Costa Rica. Aircraft entering the Control Area in the vicinity of Turbo, Colombia or departing from Turbo to enter the Control Area, will obtain original clearance through Pan-American radio at Turbo. At any rate, however, civilian aircraft may establish contact with the Control Center through Balboa Radio WHZ and military aircraft may establish contact through Albrook Army Airways (WZA).



INDEX TO FLIGHT PLANNING CHARTS



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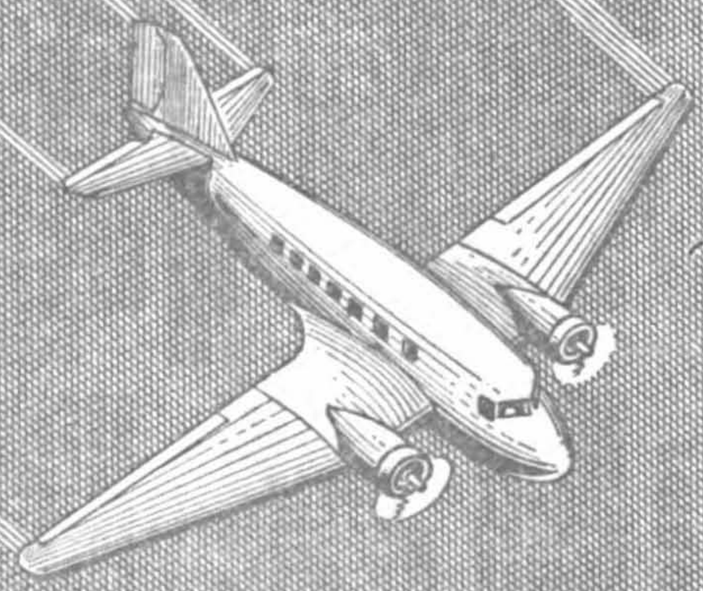

NOTICES TO AIRMEN
DIRECTORY OF AIRPORTS
AIR NAVIGATION RADIO AIDS

VOL. 2, NO. 7 ..... JUNE 24, 1947

This issue includes all data on record as of 0001 E.S.T. on the date above. For later information consult teletype NOTAMS.

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
OFFICE OF AVIATION INFORMATION

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GUIDE CONTENTS

THE AIRMAN'S GUIDE IS A COMPOSITE DIRECTORY OF AIRPORTS, AIR NAVIGATION RADIO AIDS, AND NOTICES TO AIRMEN. ON THE DATA PAGES ARE TABULATED ALL THE DATA COVERING THE FACILITIES CHARTED ON THE BACKING PAGES. THIS PRESENTATION IS GRADUALLY BEING REVISED, HOWEVER, SO THAT EVENTUALLY THE DATA PAGES WILL FACE THE CHARTS.

INDEX OF FACILITIES

TO FIND THE NUMBER OF THE PAGE ON WHICH A FACILITY IS CHARTED, REFER TO THE INDEX OF FACILITIES BELOW. AS OUTLINED ABOVE, THE DETAILED DATA FOR THE FACILITY WILL BE FOUND ON THE DATA PAGE BACKING, OR FACING, THE CHART.

NEW DATA PRESENTATION

(A) ON THE DATA PAGES BACKING OR FACING THE CHARTS, NEW DATA OR REVISIONS ARE INDICATED BY ARROWS; (B) IN THE NOTICES TO AIRMEN SECTION, CITATIONS COVERING NEW OR REVISED RADIO DATA ARE PREFIXED BY ONE LARGE STAR " ★ " CITATIONS COVERING NEW OR REVISED AIRPORT, OR MISCELLANEOUS DATA ARE PREFIXED BY TWO ASTERISKS "**"

DATA PAGE NOTAMS

BECAUSE OF THE SERIOUS PAPER SHORTAGE, THE DATA PAGES, WHERE POSSIBLE, HAVE TO SERVE AS NOTAM (NOTICES TO AIRMEN) PAGES, RESULTANTLY, MOST OF THE NEW DATA FORMERLY NOTAMIZED IN THE NOTICES TO AIRMEN SECTION WITH PREFIXED LARGE STARS OR DOUBLE ASTERISKS ARE NO LONGER CARRIED IN THAT SECTION. ONLY COMMISSIONINGS, ABANDONMENTS, OR CHANGES SO POTENTIALLY HAZARDOUS THAT THEY ARE INDICATED WITH Ⓡ (FOR RED FLAG) SYMBOLS ON THE CHARTS, ARE NOW CITED IN THE NOTICES TO AIRMEN SECTION NOTAMIZING ON THE DATA PAGES IS EFFECTED BY THE USE OF PREFIXED ARROWS AS IN THE FORMER AIR NAVIGATION RADIO AIDS PUBLICATION. ANY CHANGES FROM THE PREVIOUS ISSUE, WHETHER CITED IN THE NOTICES TO AIRMEN SECTION, OR NOT, ARE INDICATED BY THE PREFIXED ARROWS. FOLLOWING ARE EXAMPLES OF CHANGES NOTAMIZED ONLY ON THE DATA PAGES: FIELD OBSTRUCTION, SERVICING, ELEVATION, LOCATION, AND RUNWAY LENGTH CHANGES. BECAUSE OF THE USE OF THE PREFIXED ARROWS AS NEW DATA INDICATORS, A FURTHER INNOVATION HAD TO BE ADOPTED. THIS IS A TINTED HORIZONTAL LINE FOLLOWING THE LAST TABULATED FACILITY AND TITLED EITHER NEW RADIO FACILITIES OR NEW AIRPORTS.

HOW TO USE THE AIRMAN'S GUIDE

NEW FACILITIES ON DATA PAGES

SPACE BELOW THE TINTED HORIZONTAL LINES ON THE DATA PAGES HAS BEEN RESERVED AS A SUPPLEMENT FOR NEW RADIO AIDS AND AIRPORTS WHOSE DATA WERE RECEIVED AFTER THE DATA PAGES WERE ORIGINALLY TYPED. REVISIONS TO EXISTING AIRPORTS AND RADIO AIDS ARE SUPER-IMPOSED ON THE OLD DATA. NEW AIRPORTS AND RADIO AIDS HOWEVER, ARE LISTED, NECESSARILY OUT OF ALPHABETICAL ALIGNMENT, BELOW THE TINTED HORIZONTAL LINES UNTIL THE PAGE IS RE-TYPED.

CHART NOTAMS

NOTAMIZING ON THE CHARTS IS EFFECTED BY USE OF THE SUPERIMPOSED Ⓡ AND Ⓞ SYMBOLS. THE Ⓡ (FOR RED FLAG) INDICATES A VERY HAZARDOUS CONDITION OR A MAJOR CHANGE. THE Ⓞ SYMBOL (FOR ORANGE FLAG) INDICATES A MINOR CHANGE OR HAZARDOUS CONDITION WITH THE FACILITY STILL USABLE WITH CAUTION. THE PERTINENT DETAILS TO WHICH THESE SYMBOLS REFER WILL BE FOUND LISTED IN THE NOTICES TO AIRMEN SECTION UNDER THE FACILITY NAME (AND STATE) BY WHICH THEY ARE CHARTED.

Ⓡ and Ⓞ SYMBOLS

THESE SYMBOLS WERE ADOPTED FOR SUPER-IMPOSITION OVER CHARTED FACILITIES TO INDICATE HAZARDOUS CONDITIONS AND COVERING NOTICES TO AIRMEN. THUS, IF A CHART USER NOTES NO SYMBOL ON THE FACILITIES HE IS PLANNING ON USING, THERE IS NO NECESSITY FOR HIM TO WADE THROUGH THE 30-ODD PAGE NOTICES TO AIRMEN SECTION

NOTICES TO AIRMEN SECTION

ALL TEMPORARY CONDITIONS (FIELD SOFT, RUNWAY UNDER CONSTRUCTION, RANGE COURSE OUT OF ALIGNMENT, ETC) ARE CITED IN FULL IN THE NOTICES TO AIRMEN SECTION UNTIL THEY ARE NO LONGER IN EFFECT. WHEN A CITATION CARRIES A PERMANENT ITEM AND A TEMPORARY ITEM, THE PERMANENT ITEM IS UNDERLINED. PARENTHETICAL DATE AT END OF ITEM INDICATES TIME ITEM WAS REPORTED. TO CONFORM TO CHART PRACTICE, ALL FACILITY DATA ARE LISTED IN THE NOTICES TO AIRMEN SECTION AND ON DATA PAGES ALPHABETICALLY BY STATES AND BY FACILITY NAME. THUS, AN AIRPORT WILL BE FOUND LISTED ALPHABETICALLY UNDER ITS OWN NAME RATHER THAN UNDER ITS LOCALE'S NAME. IF THE AIRPORT OR RADIO FACILITY NAME IS OTHER THAN THAT OF THE CITY IN WHICH IT IS LOCATED, THE LOCATION IS SHOWN IN PARENTHESIS AFTER THE FACILITY NAME.

SPECIAL NOTICES

NOTICES OF NATIONAL INTEREST, OF GREAT IMPORTANCE, OR OF NON-LOCALIZED NATURE, WILL BE FOUND AT THE BEGINNING OF THE NOTICES TO AIRMEN SECTION.

CIVIL FACILITY CHANGES: ADVISE WHOM

PLEASE ADVISE THE OFFICE OF AVIATION INFORMATION, ATTENTION A-250, C.A.A., DEPARTMENT OF COMMERCE, WASHINGTON 25, D.C. AS SOON AS TEMPORARY CONDITIONS COVERING CIVIL AIRPORTS OR NAVIGATIONAL AIDS BEGIN OR TERMINATE, OR FLIGHT HAZARDS ARE ERECTED OR REMOVED. FIELD DATA REVISIONS SHOULD BE SUBMITTED TO THE NEAREST C.A.A. DISTRICT AIRPORT ENGINEER.

TO ALL SUBMITTERS OF AIRMAN'S GUIDE DATA

AN UNDER-MANNED STAFF PREVENTS AN INDIVIDUAL ACKNOWLEDGMENT OF DATA SUBMITTED FOR THE AIRMAN'S GUIDE BY TELEGRAM, TELETYPE DISPATCH, OR LETTER. YOUR COOPERATION IN PERMITTING A GUIDE CITATION TO SUFFICE AS AN ACKNOWLEDGMENT WILL BE APPRECIATED.

INDEX OF FACILITIES

LEGEND

A - AIRPORT WITH AN ASSOCIATED RADIO FACILITY IDENTICALLY NAMED
FM - FAN MARKER
R - NON-DIRECTIONAL RADIO BEACON
R - RADIO RANGE
T - AIRPORT WITH CONTROL TOWER

N.B. ALL FACILITIES WITHOUT A LETTER SUFFIX ARE AIRPORTS. NAMES NOT FOLLOWED BY A NUMBER SUFFIX ARE NOT AIRPORTS BUT MERELY GEOGRAPHICAL LOCATIONS.

[redacted]
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" Foster (115)
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" Castle (99)
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" NAS T (99)
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" Phillips T (67)
Andrews R, T (69)
Annapolis, Seaplane T (67)

Annapolis Inc. (67)
" Dixie (67)
" Lee Annapolis (67)
Baltimore R, T (67)
" Diffendahl (67)
" Martin T (67)
" Pimlico (67)
" Rutherford (67)
Beltsville FM,A(67,69)
Berwyn
" Capital (69)
Brandywind R (67,69)
" Curtis (69)
Camp Springs
" Andrews R, T (69)
Chesterton, Gill (67)
Churchville
" Aldino (67)
Clinton
" Hyde (69)
College **Park (67)**
Croom
" Columbia Air **Center (69)**
Cumberland (65)
" Mexico Farms (65)
Doncaster FM (67,69)
Easton
" Webb (67)
Edgewood Arsenal (67)
Elkton, Lovett (67)
Fort Meade (69)
Frederick
" Stevens (67)
" Frederick City (67)

NEW FACILITIES: Yorktown, Ind.,Delaware (143) Ulysses, Kans. (83) Bradford, Me.,Snow (18) Brownville Junction, Me.,Prairie (18) Enfield, Me.,Swasey's (18) Ft. Fairfield, Me.,Aroostook Fly. Svc.(18) Ft. Kent, Me.(18) Jackman, Me. (18) Presque Isle, Me.,Northland (18) Turner,Me.,Twitchell's (18) Beachville,Md.,Webster T (67) Croom,Md.,Mattaponi Sky Club(69) Dewitt, Iowa (41) Hill City, Kans.,Mun.(37) Osawatomie, Kans.,Osawatomie-Paola(43)

JUNE 24,1957

Glasgow
" Wing (57)
Greenbelt
" Selrom (69)
Hagerstown (57)
Hyattsville
" Queens Chapel (69)
Hawkins Neck FM (57)
Ocean City
" Hickman (57)
Patuxent River R,T (57)
Phillips T (57)
Piney Point (57)
Pocomoke (57)
Pomonkey
" Maryland (69)

Riverdale
" Erco (69)
Rock Hall (67)
" Faybrook (67)
Rockville
" Congressional (69)
Salisbury (67)
" Delmarvia (67)
Shady Side (67)
Taneytown (67)
Webster T (67)
Westminister,CAP(67)
Worton
" Andelot (67)
" Kent (67)

MASSACHUSETTS

Adams (55)
Agawam Land & Seaplane Base (55)
" Bowles (55)
Auburn (57)
Ayer (57)
" Littleton (57)
Barre Plains
" Hiller (55)
Bedford H,T (57)
Beverly (57)
Billerica
" Shawsheen Pines(57)
Boston R (57)
" Logan T (57)
Brant Rock FM (57)
Brockton (57)
Brookfield (55)
Canton
" Boston-Metro (57)
Chatham (57)
Chicopee Falls
" Westover R,T (55)
Clinton,Bolton (57)
Dedham FM (57)
Dracut,Richardson(57)
East Brookfield (55)
Easton FM (57)
Edgartown (57)

Essex,Cape Ann (67)
Everett FM (57)
Falmouth (57)
" Otis (57)
Fitchburg (57)
Franklin FM (57)
Gardner (55)
Great Barrington (55)
Groton (57)
Hatfield,Pilgrim (55)
Haverhill (57)
Hyannis (57)
Lawrence (57)
Leicester (57)
Mansfield (57)
" Sherman Memorial (57)
Marlboro (57)
Mendon (57)
Montague
" Turners Falls (55)

Nantucket Isl. (57)
New Bedford (57)
Newburyport
" Plum Island (57)
Norfolk
" Franklin-Norfolk(57)
North Adams
" Stevens (55)
Northampton
" LaFleur (55)
" Pilgrim (55)
North Attleboro
" Wilkins Fly.Fld (57)
North Grafton
" Grafton (57)
Norwood (57)
Oak Bluffs (57)
Orange (55)
Otis (57)
Palmer
" Metropolitan (55)
Peabody FM (57)
Pepperell, Glow (57)
Pittsfield (55)
Plymouth (57)
" OLF (57)
Provincetown Landing
Revere (57) (57)
Seekonk
" Providence (57)
South Boston LFM (57)
Southbridge (55)
South Easton,Ames(57)
South Weymouth T (57)
Spencer (57)
Springfield (55)
Squantum R,T (57)
Taunton,King (57)
Vineyard Haven
" Martha's Vineyard (57)
Wareham,Co.Club(57)
West Barnstable
" Cape Cod (57)
Westboro (57)
Westfield R (55)
" Barnes (55)
Westover R,T (55)
West Springfield (55)
Williamstown
" Fair View Farm(55)
Worcester (57)

MICHIGAN

Adrian,Adrian City (47)
Allegan (33)
Alma (33)
Alpena
" Phelps Collins (15)
" Scheidler (15)
Amasa (15)
Ann Arbor (141)

Armada,Center (33)
Atlanta (15)
AuGres (15,33)
Baldwin (15,33)
Bangor FM (33)
Baraga,Big Lake (15)
Battle Creek R (33)
" Kellogg (33)
Bay City
" Elements (33)
Belding Flyers (33)
Bellaire (15)
Benton Harbor
" Twin Cities (45)
Big Beaver (141)
Big Rapids
" Mecosta Co. (33)
Birmingham,Berz (141)
Blaney,Blaney Park(15)
Breedsville (33)
Brevort (15)
Cadillac H,A (15,33)
Calumet
" Houghton Co. (15)
Caro (33)
Centerville
" St. Joseph Co. (47)
Charlevoix (15)
Charlotte,Beach (33)
Clare,Doherty (15,33)
Clio, West's (33)
Coldwater,Legg (47)
Comstock Park
" Grand River (35)
Croswell,City(33)
Crystall Falls
" Dr.A.L.Haight(15)
Davison,Seely's(33)
Detroit H (33,141)
" Burns (141)
" Detroit City T (141)
" Ford (141) (141)
" Grosse Isle NAS
" Nat'l Fly. Svc.(141)
" Joy (141)
" Wayne Co. (33)
Douglas
" Saugatuck-Douglas
Dowagiac (31,33)
" Cass Co.Mem'l (47)
East Jordan (15)
Eaton Rapids,Miller(33)
Elsie (33)
Escanaba (15)
Evart Mun. (15)
Farmington
" Krist-Port (141)
Flat Rock,Nanbar (141)
Flint H (33)
" Bishop T (33)
Flushing,Dalton (33)
Fostoria,Forrest (33)
Frankfort (15,31,33)
Fraser,McKinley(141)
Galesburg
" Avia.Coun.Club(33)
Gaylord
" Otsego Co. (15)
Gladwin A,H (15,33)
Grand Ledge
" Abrams (33)
Grand Rapids R (33)
" Kent Co. (33)
Grayling (15)
" Masons (15)
Greenville (33)

Harbor Beach (15,33)
Harrison (15,33)
Hartford
" Leach Aero Svc. (33)
Hastings (33)
Hillman (15)
Hillsdale (47)
Holland
" Park Township (33)
Houghton A,R(15)

Houghton Heights
" Houghton Lake (15)
Howell (33)
Indian River
" Calvin Campbell(15)
Ionia (33)
Iron Mountain,Ford (15
Ironwood,Gogebic (14)
Ishpeming-Dexter (15)
Ithaca,Johnsons (33)
Jackson H (33)
" Reynolds (33)
Kalamazoo
" Austin Lake (33)
" Lindbergh (33)
Kalkaska (15)
Kinross (15)
Lakeview (33)
Lansing R (33)
" Capital City (33)
Lapeer (33)
Lawton,Marks (33)
Loretto
" Norway Township(15)
Ludington
" Mason County(15,31)
Mackinaw City (15)
Maple Rapids (35)
Manistee-Blacker (15,31)
Manistique
" School-Craft Co.(15)
" Steuben (15)
Marenisco (15)
Marquette Co. (15)
Marshall,Brooks (33)
Mason,Jewett (33)
Menominee Co. (15)
Midland,Barstow (33)
Milan (141)
Mio (15)
Mt. Clemens
" Selfridge R,T (33)
Mt. Pleasant (33)
Munising,Alger Co.(15)
Muskegon R (31,33)
" Muskegon Co. (31)
" Northside (31,33)
Newaygo (33)
Newberry,Luce Co(15)
Newport (141)
" Monroe (47)
Niles (47)
Norway,Northland (15)
Onaway (15)
Oscoda (15,33)
Owosso
" Shiawassee Co. (33)
Paw Paw (39)
Pellston H (15)
" Emmet Co. (15)
Petoskey
" Harbor Springs (15)
Plymouth
" Mettetal (141)
" Triangle (141)

Pontiac,Allen's (33)
" Pontiac (33)
Port Huron,Baker's(33)
" St. Clair Co. (33)
Prudenville
" Roscommon Co.(15,33)
Raco (15)
Rexton,D.A.R. (15)
Rogers City
" Presque Isle Co.(15)
Romulus R (33,141)

Roscommon (15,33)
Roseville (141)
Rothbury,Oceana (31)
Saginaw A,H (33)
" Barry (33)
" Skyhaven (33)
" Tri City (33)
Saline FM (33,141)
St. Helen (15,33)
St. Ignace
" Mackinac Co. (15)
St. James
" Beaver Island (15)
Sault Ste Marie A,R(15)
Selfridge R,T (33)
Sidnaw
" Prickett-Grooms (15)
South Branch
" Timbers Sky Camp (33,15)
South Haven, City (45)
Sparta (33)
Sturgis,Kirsch (47)
Tecumseh (141)
Three Rivers
" Dr.Haines Fly. (47)
Traverse City A.R (15)
Utica, Wings (33)
Warren (141)
Waters (15)
Watersmeet (15)
Wayne
" Hartselle Air,Term.
" Stinson (141) (141)
West Branch
" La Porte (15,33)
White Cloud (33)
Wildwood
" Pet-O-Se-Ga (15)
Wixom FM (33,141)
Wyandotte,Hance (141)
Ypsilanti
" Gridley (141)
" McEnnan (141)
" Willow Run T (141)

MINNESOTA

Aitkin Mun. (14)

Albert Lea (29)
Alexandria A,R (11)
Amboy (29)
Annandale,Kentoby (14)
Anoka Fly.Svc. (14)
Appleton (11)
Austin, Decker (29)
Barnesville FM (11)
Baudette (14)
Bemidji (14)
Benson (11)
Blue Earth (29)
Brainerd (14)
" Todd (14)
Camp Ripley (14)
Cokato,Anderson (14)
Coleraine (14)
Crookston (11)
Crosby (14)
Detroit Lakes (11)
Dodge Center
" Pleasant Corners(14)
Duluth A,R(14)

Ely (14)
Erskine
" Erskine-Gunther(11)
Fairfax,Bleick (14)
Fairmont (29)
Faribault (14)
Fergus Falls (11)

Frontenac
" Lake City (14)
Fulda Mun. (28)
" Janssen (28)
Garrison, Miller (14)
Glenwood Mun. (11)
Graceville (11)
Grand Rapids (14)
" Otis Lodge (14)
Hamel FM (14)
Hastings FM (14)
Hector (14)
Hibbing (14)
Hutchinson (14)
Jackson Mun. (29)
Jordan FM (14)
Kenyon (14)
Lake Benton (11)
Lake Wilson
" Smitty Sky Rnch (11)
Le Sueur (14)
Little Falls
" Camp Ripley (14)
Littlefork (14)
Litchfield (14)
Luverne
" Blue Mound (28)
" McDowell Sky Ranch (28)
Madison (11)
Mankato (14)
Marshall (11)
Mayer
" Sells Fly. Fld. (14)
Minneapolis R (14)
" Cedar (14)
" Flying Cloud (14)
" Victory (14)
" Wold Chamberlain T (14)
Montevideo (11)
Monticello,Hincks (14)
Morris (11)
New Brighton
" Univ. of Minn. (14)
Nisswa
" Heywood Gull Lake
New Ulm (14) (14)
Ortonville (11)
Osseo Landing Fld.(14)
Owatonna (14)
Park Rapids (11)
Pine River
" Sky Harbor Lodge(14)
Pipestone (28)
Princeton (14)
Red Wing (14)
Redwood Falls (11)
Robbinsdale (14)
Rochester R,T (29)
Roseau (11)
St. Cloud
" Whitney Mem'l.(14)
St. Paul (14)
St. Peter (14)
Sherburn (29)
S. St. Paul
" Fleming (14)
Stanton,Carleton (14)
Staples (14)
Taylor Falls (14)
Thief River Falls (11)
Tofte,Gervais (14)
Triumph,Tri-Mont (29)
Turtle River
" Bemidji-Port-O-Wilds (14)
Twin Valley Farm (11)
Virginia (14)
Wadena (11)
Waseca (14)
Westbrook (11)
White Bear Lake
" Northport (14)
Willmar R,A (11)
Winona (14)
Worthington (28)

MISSISSIPPI

Aberdeen,Stinson(115)
Baldwyn (91)
Batesville (89,115)
Beulah,Dossett(113)
Biloxi,Keesler R,T(129)
Brookhaven,Ulmer(113)
Bucatunna,Dobson(129)
Calhoun City(129)
" Johnstone's (115)
Canton, Lee (115)
Clarksdale (89)
" Fletcher (89)
Cleveland (113)
" Jones-Harden (113)
Columbia (129)
Columbus (115)
" Masonic (115)

Corinth (91)
Drew,Collier (113)
Elizabeth,Leland(113)
Ellisville (129)
Eupora (115)
Flora FM (115)
" Childress (113)
Florence FM(115)
Forest (115)
Glen Allan,Skinner(113)
Grace,Woodside (111)
Greenville,Mun. (113)
" Cypress (113)
" Dixie Dusting Co(113)
" Greenville AAF (113)
Greenwood R(115)
" Mun. (115)
" AAF (115)
Grenada (115)
Gulfport #1 (129)
" #2 (129)
Hattiesburg AAF (129)
"Glendale (129)
Heads, Cole. (113)
Houston (115)
Indianola (113)
Jackson R (115)
" Augustine (115)
" East Jackson (115)
" Hawkins T (113)
Jackson,Hinds Co. (113)
" No. Jackson (115)
" Rankin (115)

Laurel (129)
Leland
" Lakeview (113)

Louisville Air Svc.(115)
Lulu, Bass (89)
McComb (129)
McLaurin (129)
Marks (89)
Meridian R (115)
" Key (115)
" Lauderdale Civil (115)
Moorhead,Everett (113)
Natchez (113,129)
" Sharpe (113,129)
Nesbitt FM (89)
New Albany Fly.Svc(89)
Newton,O'Keefe (115)
Nitta Yuma
" Jim Davis (113)
Oxford (89,115)
Pascagoula
" Jackson Co. (131)
Pelatchee FM (115)

Philadelphia,Friendly Flying Service (115)
Picayune (129)
Pickens,Presley's (115)
Pontotoc,Spook (89,115)
Rockport (115)
Scooba (115)

Starkville (115)
" Oktibbeha (115)
Stinson (115)
Tupelo (115)

Tutwiler,Strange(111)

Tylertown (129)
Vicksburg A,H (113)
Walls,Sanders (89)
Warrenton,Longview
West Point (115) (113)
Winona (115)
Yazoo City(113)
Yokena
" Le Tourneau (113)
Zeiglerville (115)

MISSOURI

Advance A,R (89)
Aurora (89)
Bernie, Ward (89)
Bethany,Fordyce (41)
Bolivar (89)
Boonville (41)
Bowling Green (41)
Branson (89)
Brookfield,Bailey's (41)
Butler (41)
Cabool (89)
Cameron (41)
Campbell,Ramsey (89)
Cape Girardeau
" Cape Commercial
" Harris (89) (89)
Carthage,Myers (89)
Cassville (89)
Charleston (89)
Chillicothe H,A (41)
Chillicothe,Bailey's(41)
Clinton (41)
Columbia R,A (41)
Craig,Ward (39)
Diamond (89)
Ellisville (39)
Excelsior Spgs A,FM(41)
Farmington (89)

Fayette Fly.Fld. (41)
Fenton,
" Sylvan Beach (39)
Festus,Lucas (39)
Fulton (41)
Gallatin,Daviess (41)
Garden City,Wright(41)
Gideon (89)
Grant City
" Edwards Arpk (41)
Gravois Mills
" Mel Adkins Resort
Hannibal (41) (41)
Harrisonville (43)
Houston,King. (89)
Iberia, Eads (41)
Independence (43)
Jefferson City (41)
Joplin R, A (89)
Kansas City R,T (41,43)
" Heart of America(43)
" Kansas City-Grandview (43)
" Ong (43)
Kennett (89)
" Sexton (89)
Kirksville A, R (41)
" Arpk (41)
Kirkwood,Weiss (39)
Knobnoster
" Sedalia (41)
Lebanon (89)
Lexington (41)
Linkville FM (41,43)
Luray (41)
McBride,Chester (89)
Macon,Stephenson(41)
Malden AAF (89)
" Dexter (89)
" Gideon (89)
Marceline (41)
Marshall H, A (41)
" Nicholas (41)
Maryville (41)
Mexico,Green (41)
Moberly,Bradley (41)
Monett (89)
Neosho Com. (89)
" Mun. (89)
Neubeiser (39)
Nevada (89)
New Florence H.A (41)
Osborn (43)
Popular Bluffs,Earl (89)
Rolla (89)
St. Charles,Kratz (39)
" St. Charles (39)
St. Joseph R (41,43)
" Rosecrans T(41,43)
St. Louis R (39,41)

" Lambert-St. Louis
" Ross (39) T(39,41)
" Neubeiser (39)
" Starling (39)
St. Peters FM (39,41)
Sedalia (41)
" AAF (41)
Sikeston(89)

Slater (41)
Spanish Lake H,FM (39,41)
Springfield A,R (89)
" McFarland Fly.Svc. (89)
" Rogers (89)
Tarkio H, A (37,39)
Trenton,Vaughn (41)
Unionville Awyn (41)
Valley Park
" Meramec (39)
Versailles (41)
Vichy R, A (41)
Warrensburg (41)
West Plains
" Sky Haven (89)
Windsor,Huston (41)

MONTANA

Alberton FM (6)
Baker (10)
Belt FM (6)
Big Timber (7)
Billings R,T,LFM (7)
Birney
" Bones Bros. Ranch
Bozeman R (6) (7)
" Gallatin (6)
Butte A, R (6)
Cascade FM (6)
" Bob Gordon (6)
Chester (6)
Chinook (7)
Choteau (6)
Circle (7)
Columbus (7)
Conrad (6)
Custer R, A (7)
Cut Bank A, R (6)
Deer Lodge (6)
Dell Flight Strip (6)
Denton (7)
Dillon R, A (6)
Drummond R, A (6)
Ennis (6)
Eureka (3)
Flathead Nat'l Forrest
" Basin Creek (6)
" Big Prairie (6)
" Black Bear (6)
" Condon (6)
" Holbrook (6)
" Meadow Creek (6)
" Schaeffer (6)
" Spotted Bear (6)
Forsyth (7)
Fort Benton (6)
Fort Peck (7)
Gardiner (6)
Gates Park (6)
Geraldine,Tanner (6)
" Geraldine (6)
Geyser (6)
Glasgow,Valley Co.(7)
Glendive (10)
Great Falls R,T (6)
" AAF T (6)
Gregson
" Rainbow Skyport (6)
Hamilton (6)

NEW FACILITIES: International Falls,Minn.(14) Buffalo, Mo.(89) Pittsville,Mo.(41) Joplin, Mo.,Harper (89) Seymour, Mo.,Owen (89) Van Buren, Mo.(89) Willow Springs, Mo.(89) Dixon, Mo.(89) Exeter, Mo.,Clover Hill (89) Fredericktown, Mo.(89) Gainesville, Mo.(89) Quabbin, Mass H, FM (55) Grand Marais. Mich R (15) Bridger,Mont.(7) Pelkie,Mich.,Baraga (15) New Baltimore, Mich.,Anchor Bay (33) Armada,Mich(33) Bad Axe,Mich.(33) Chesaning,Mich.(33) Fremont,Mich.,City of Fremont (33) Showell,Md.,Midway(67) Hally,Mich.(33) East Tawas,Mich.,Iosco Co.(33) New Hudson,Mich., Knapp (141)) Lowell, Mich.(33) Plainwell,Mich.,McKay (33) Albion,Mich.,Morgan's (33) Gobles,Mich.,Wesler (33) Brainerd,Minn., Pine Beach (14) Red Oak,Mich.,Lost Creek Sky Ranch (15) Topaz,Mich.,Big Bear (15) Tawas City,Mich (33) Galthersburg,Md.,Davis (67) Hanover,Mass.,Clark (57) Coldwater,Mich.,Branch Co.(47) Graafschap,Mich.,Tulip City (31,33) L'Anse,Mich.,Muzzy's (15) Monroe,Mich.,Custer (47,49) Springfield,Minn.(14) Quinnesec,Mich.,Northland (15) Romeo,Mich.(33) St. Johns (33) Utica,Mich.(33) Kentwood,Miss.,(129) Carrollton,Mo.(41) Eldon,Mo.,Model Arpk (41) Galt,Mo.,Ace High (41) Gorin,Mo.,Wylies (41) Hayti,Mo.,Downing (89) Kahoka,Mo.,Montgomery (41) Lucerne,Mo.,Myers-Hughs(41) Owensville,Mo.,Depperman (41) Palmyra,Mo.(41) Rushville,Mo.,East Atchison (43) St. Clair,Mo. (41) St. Joseph,Mo.,Glenata (43) Dexter,Mich.,Washtenaw (141) St. Joseph,Mo.,Lake Contrary (43) Trenton,Mo.,Embry (41) Tuscumbia,Mo.,Sky Lake (41) Warrensburg,Mo.,Sky Haven (41) Warrenton,Mo.,Zims (41) Warsaw,Mo.(41) Berkley,Mass.,Myricks (57) Benoit,Miss.,McCain(113) Charleston,Miss.,Coyle(115) Crystal Springs,Miss.(113) Merigold,Miss.,Jones(113) Rochdale,Miss.,Watts(113)

Hardin
" Big Horn Co. (7)
" Zelka (7)
Harlem (7)
Harlowton (7)
Havre City-Co. (7)
Helena R, T (6)
Homestake LFM (6)
Hot Springs (6)
Huson,Six Mile (6)
Ingomar (7)
Jordan (7)
Kalispell (6)
" Flathead Co. (6)
Lavina (7)
Lewistown A, R (7)
Libby (3)
Livingston A, R (6)
" Int. (6)
Malta Arpk (7)
McDonald Pass FM (6)
Mildred (7)
Miles City A, R (7)
Missoula R (6)
" Hale (6)
" Missoula Co. (6)
Moore (7)
Mullan Pass R (3)
Nibbe FM (7)
Park City FM (7)
Plains (6)
Plentywood (10)
Polesbridge
" Quarter Circle M.C
Polson (6) Ranch (6)
Poplar (7)
Rapelje (7)
Red Lodge (7)
Roundup (7)
St. Xavier (7)
Scobey (7)
Seeley Lake (6)
Shelby,Toole Co. (6)
Sheridan (6)
Sidney (10)
Stanford FM (6)
Stevensville (6)
Superior R, A (6)
Tampico,Eichart (7)
Thompson Falls (3)
Townsend (6)
Troy (6)
Twin Bridges (6)
Valier (6)
Vida, Vine (7)
West Yellowstone (6)
Whitehall R, A (6)
Whitetail FM (6)
White Sulphur Spgs (6)
Winston FM (6)
Wolf Point (7)
" Gustafson-Anderson (7)

[redacted]RKA

Ainsworth (28)
Alliance AAF (27)
" Mun. (27)
Atkinson (28)
Auburn (32)
Bayard (35)
Beatrice (37)
Beaver City,Hewett's
Benkelman (37) (37)
Big Springs (35)
Blair (39)
Bradshaw (37)
Brainard (37)
Broken Bow (37)
Bruning (37)
" Hawks (37)
Chadron H,A (27)
Chappell (35)
Clay Center (37)
Columbus (37)
Cozed,100th Meridian
Crawford (27) (37)
Crete (37)
David City (37)
Decatur,Eagleton (39)
Elgin (37)
Fairbury (37)
Falls City (39)
Fort Robinson (27)
Franklin,Lakeside (37)
Fremont (37)
Geneva, Fairmont (37)
Gordon (27)
Gothenburg (37)
Grand Island R (37)
" Central (37)
Harvard (37)
Hastings (37)
" Sky Ranch (37)
Hayes Center R,A (37)
Hay Springs (27)
Hebron (37)
Holdrege (37)
" Mun. (new) (37)
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Imperial (37)
Kearney (37)
" AAF H,T (37)
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" Arrow (37)
" Union (37)
" Waverly (37)
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Lorenzo (35)
McCook (37)
" AAF (37)
Mead FM (37,39)
Mitchell (35)
Nebraska City
"Grundman (39)
Norfolk (37)
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Oakland (37)
Offutt T (39)
Ogallala (35)
Ohiowa (37)
Omaha R, T(37,39)
" Clear Ridge (39)
" Offutt T (39)
O'Neill Mun. (28)
Ord (37)
Oshkosh (35)
Overton (37)
Pender (28)
Potter,Bar 'J' Lazy V(35
" Idle Acres (35)
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Schuyler (37)
Scottsbluff R,A (35)
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Seneca (27)
Sidney H, A (35)
Stratton, Hall (37)
Stuart, Skrdla (28)
Tecumseh (39)
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" Steckley Co. (39)
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" Flight Strip(22)
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" Keddie (22)
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" Lahontan (77,22)
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" Alamo (79)
" Hoot Gibson's(79)
" Sky Haven (79)
" Vegas Sky Corral(79)
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" Int. (22,77)
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" Douglas-Tahoe (77)
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" Hubbard T (77,22)
San Jacinto (23)
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" Reno Sky Ranch(22,77)
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" AAF (77)
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Hinsdale Arpt. (55)
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Keene (55) (57)
" Dillant-Hopkins (55)
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" Gate City Arpt (57)
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" Courthouse Smith(71)
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Clarksville,Nassau (71)
Clinton,NW Jersey (71)
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" AAF (105)
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" Kirtland T (83)
" Sky Court (83)
" West Mesa (83)
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" Art Goebel (83)
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" Mun. (105,121)
" Carlsbad #1 (105,121)
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" Tracy (105,121)
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" Lee (51)
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" Stanton's-Newburgh
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New City,Christie (55)
" Rockland (55)
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Perry Central (51)
" Fly. Svc (51)
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" Intereity (55)
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" Mun T. (53)
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Utica A,R (53)
" Smithport (53)
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Columbia (71)
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" Bradley (18)
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" Suffolk Co. (55)
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" Westchester Co. T
(55)
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Community (53)
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" Owens (93)
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Aydelette Fld (97)
Barco (97)
Beaufort-Morehead
City (97)
Balloon #1 (95)
Belmont (95)
Black Mountain (93)
Bogue (97)
Brevard,H & R (93)
Burgaw (97)
Burlington (95)
" Fairchild (95)
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Candor (95)
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" Hogan (95)
Charlotte R (95)
" Cannon (95)
" Delta (95)
" Douglas T (95)
" Plaza (95)
Cherry Point R (97)
" MCAS T (97)
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" Coley (95)
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" Pope R,T (95)
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" Routh (95)
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" Roanoke Isl. (97)
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Mocksville (95)
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" Mun. (95)
Mooresville,Harris (95)
Morganton
" Lenoir (93)
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" C.A.P. (95)
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" Warf (95)
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" Worth (10)
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" Miller (10)
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Kenosha A,FM (31)
Kohler (15,31)
La Crosse A,R (29)
" Int (29)
Ladysmith,Rusk Co(14)
Lake Delton, Wisconsin Dells Lake Delton(31)
Land O'Lakes, King's Gateway (15)
Lone Rock R,A (29,31)
Madison R (31)
" Morey (31)
" Four Lakes (31)
" Truax (31)
Medford,Taylor Co(14)
Manitowoc (15,31)
Manitowish
" - Waters Arpt (15)
Marshfield (14,31)
Merrill (15)
Milwaukee R (31)
" Brown Deer (31)
" Curtiss-Wright (31)
" Mitchell T (31)
" Skyhaven (31)
" Maitland (31)
Minong, Hultquist's Sky Ranch (14)
Monroe, Badger (31)
Neenah, Val'y Arways
Neillsville(14) (15,31)
Oconto Mun (15,31)
Oconto Falls (15,31)
Omro, Ginnow (15,31)
Oshkosh
" Winnebago Co(15,31)
Phillips (14)
" Price Lake (14)
Plymouth, Sky Village (15,31)
" Chaplin (15,31)
Portage,Mael (31)
Pulaski,Kubiak's (15,31)
Racine,Horlick-Racine (31))
Rhinelander (15)
Rice Lake (14)
" Arrowhead (14)
Sextonville,Richland(15
Shullsburg (29,31) (31)
Shawano (15,31)
Sparta, Sparta-Angelo (29)
Spooner (14)
Stevens Point (15,31)
Sturgeon Bay
" Cherryland (15,31)
Sturtevant,Air City (31)
Superior, Richard Bong
Three Lakes (15) (14)
Tomah (29,31)
Tomahawk (15)
Washington Island (15)
Watertown (31))
Waukesha Co. (31)
Waupaca (15,31)
Waupun (31)
Wausau,Alexander (15,31)
West Bend Fly.Svc(31)
Whitewater (31)
Winter, Rainbow (14)
Wisconsin Rapids - Nepco Tri-City(15,31)

WYOMING

Afton (23)
Archer LFM (35)
Basin (7)
Big Piney (23)
Buffalo (7)
Casper R (26)
" AAF T (26)
" Casper Central (26)
" Wardwell (26)
Cheyenne, R,T (31)
Cody (7)
Cokesville (23)
Cowley, Cowley - Lowell-Bryon (7)
Douglas A, H (26)
Dull Center,Hoadley (27)
Evanston (23)
" City (23)
Fort Bridger R,A (23)
Gillette Arpk (7)
" Mun. (7)
Greybull (7)
Jackson (23)
Kemmerer (23)
Lander (26)
Laramie R (26,31)
" Brees (26,35)
Lingle (27)
Lusk (27)
Meadows FM (35)
Medicine Bow (26,31)
Midwest FM (26)
New Castle, Mondell (27)
Parkerton FM(26)
Pine Bluffs (35)
Pinedale (26)
Point of Rocks FM(26)
Powell (7)
Rawlins (26,31)
Riverton (26)
Rock Springs (new)
" Mun. (26)
Saratoga (26,31)
Sheridan R, LFM (7)
" Sheridan Co. (7)(31)
Silver Crown FM(26,
Sinclair R, A (26,31)
Sussex (26)
Thermopolis (26)
Torrington (27)
Ucross FM (7)
Wamsutter (26,31)
Wheatland (27)
" East Side (27)
Worland (26)

NEW FACILITIES: Bristol,Va.,Combs (93) Spokane, Wash.,Manito(3) Seattle,Wash.,Bellevue (143) Lovell,Wyo.,Mun. (7) Meeteetse,Wyo.,Mun.(7) Shoshoni,Wyo.(26) Hurricane,Utah (79) Salina,Utah,Salina-Gunnison(23) Marysville,Wash.,Marysville Bay Meadows (2) Iron River,Wis.,Union (14) Colchester,Vt.,Champlain (18) East Montpelier, Vt.,Fairmont (18) Middlebury, Vt. (55) Thetford,Vt.,Post Mills (55) Richmond,Va.,Parnell(67) St. Albans,Vt.,Point Hill (18) Spencer,Wis.(14) Elma,Wash.(2) Mossyrock,Wash.(2) Montesano,Wash.,Summit(2) Laramie,Wyo.(26) Moran,Wyo.,Signal Mt. (23) Vernon,Tex.,Arpk (107) Portsmouth,Va.,Roosevelt(141) Berlin,Wis.(15,31) Boscobel,Wis.(29) Coloma,Wis.(15,31) Lancaster,Wis.,Fly.Svc.(29) Lemonweir,Wis,Mauston(29,31) New Lisbon,Wis,Tucker Fly Svc(29,31) Owen,Wis.(14,31) Platteville,Wis.,Platte (29,31) Rothschild,Wis.,Wisconsin Valley (15,31) Shell Lake,Wis.(14) Thorp, Wis.(14) Thorpe,Wis.,City (14) Wonewoc,Wis,Castle Rock(29,31) College Place,Wash.,Sky Ranch (3) Lemmington,Vt.,Lemmington-Colbrook(18) Brodnax,Va.,Pennington(97) Chatham,Va.,Chatham-Gretna(95) Culpeper,Va.(65) Culpeper,Va.,Reynolds(67) Elkton,Va.(65) Independence,Va.,Cox(93,95) Luray,Va.(65) Norfolk,Va.,Norview(141) Portsmouth,Va.(141) Suffolk,Va.,Peanut City(141) Timberville,Va.,New Market-Timberville(65) Virginia Beach,Va.,Thalia(141) Waynesboro,Va.(65) Harrington,Wash.,Armstrong's Ranch(3) Klipsan Beach,Wash.,Ocean Park (2) Longview,Wash.,Vision(2) Cumberland,W.Va.,Herron(65) Taplin,W.Va.,McDonald(61,63)

GCA AVAILABLE: How and Where

GROUND CONTROLLED APPROACH (GCA) AVAILABLE TO CIVIL PILOTS AS WELL AS ARMY AND NAVY: All GCA facilities (Army, Navy, or CAA) are available to any plane in emergency. To secure GCA assistance pilots should call the associated control tower for instructions.

In addition to the working frequencies listed below, Army and Navy GCA emergency VHF transmissions are made on 140.58 mcs. Simplex service on 3117.5 kcs will be provided at all Army and Navy installations to provide an alternate means of communications for scheduled air carrier aircraft. Army and Navy towers will relay GCA instructions on 200-400 kcs band to civil aricraft not equipped to receive VHF or HF.

A minimum of 30 minutes will generally be required to assemble a GCA crew and prepare the equipment for operation AFTER an alert has been received at those locations not providing continuous service.

NAVY GROUND CONTROLLED APPROACH (GCA): Universal frequencies allocated primarily for Navy GCA operational use ,transmitting and receiving, are as follows:

HF Communications	VHF Communications
3475,4890,6640 kcs.	134.64,142.02,143.64 mcs.

Navy GCA Units shall be prepared to control aircraft on the interim U.S. emergency **frequency, 140.58 mcs, transmit and receive. Use of this frequency should be** restricted **to emergencies and routine check of communication equipment.**

In addition to above, Navy GCA Units will be prepared to transmit on HF from 2000 to 18100 kcs. and receive on 1500 to 9050 kcs to aid any plane in emergency.

To promote flight safety, the Navy Department has made its GCA facilities available to civil aircraft for emergency use. Practice approaches by civil aircraft is restricted to multi-engine aircraft because of personnel and equipment limitations. Navy GCA Units shall be prepared to control scheduled aircarriers in emergencies on 140.58 mcs and 3117.5 kcs, transmit and receive. In addition arrangements shall be made to transmit GCA control instructions on tower low frequency either directly or by relay through **the tower to aircraft in distress and not able to receive on any other frequency.**

Call signs for all Navy GCA Units are the name of the field plus "GCA". Example: "Norfolk GCA".

ARMY GROUND CONTROLLED APPROACH (GCA): (a) CONTACT: Pilots requiring GCA assistance should call the associated control tower requesting instructions for working GCA. Example: "Andrews Tower, this is Army 5555, request GCA". (b) TOWER INSTRUCTIONS:**Control towers will ascertain frequencies available to both** pilot and **GCA, advise the pilot and establish contact with the GCA unit. Example: "Army 5555, this is Andrews Tower, do you have channel G, over". "Andrews Tower, this is Army 5555, channel G available, over". "Army 5555, this is Andrews Tower, establish contact with GCA on channel G, out". "Andrews GCA, this is Army 5555, over". "Army 5555, this is Andrews GCA, your position is now etc.....". (c) EMERGENCY: When receiver and transmitter difficulties exist, the tower may relay Ground Controlled Approach instructions to the pilot. However, from a safety standpoint the procedure should be used as an emergency contingent only. (d) ALERTING GCA: After being inoperative, GCA units require approximately 20 to 30 minutes for warming up. Pilots should anticipate requirement for GCA in flight planning and request alerting of GCA units as far in advance as possible.**

C.A.A. GROUND CONTROLLED APPROACH (GCA): The C.A.A. has control tower-operated GCA units at Washington National Airport, Chicago Airport. The Indianapolis GCA unit is not remoted to the tower. The La Guardia Field unit will be **commissioned in the immediate future.** The C.A.A. installations, however, are operating on a service test or experimental basis only, and for operator training, and can be used only for practice approaches and landings until further notice. No emergency landing service is available until these units are officially commissioned.

LOCATION	FREQUENCIES		REMARKS
	Transmitting	Receiving	
Chicago Arpt, Ill.	350 kcs;109.5, 126.18 mcs.	3105,4495,6210, 3117.5 kcs;126.18, 118.1,118.7,122.5mcs.	Continuous
Indianapolis Arpt, Ind.	212 kcs;126.18 mcs.	3105,3117.5,4495, 6210 kcs;126.18mcs.	0800-1600 Mon. thru Fri.
CAA GCA Units (cont.)			
LaGuardia Fld,N.Y.	118.7 mcs	3105,6210,3117.5 kcs, 118.7,140.58 mcs.	Opers 24 hrs during CFR.Ctc twr 20 mi. out before using.
Washington Nat.Arpt,D.C.	Ctc twr for GCA working freq.		Opers CFR only. Not for emerg use.

NAVY GCA UNITS

LOCATION	FREQUENCIES		REMARKS (Weather minimums; hrs. of oper)
	Transmitting	Receiving	
Atlantic City NAS, N.J.	*,275 kcs	+	200', 1/4 mi.30-min.not.
Cherry Point MCAS, N.C.	*	+	300',1/2 mi.30-min.not.
Corpus Christi NAS,Texas	*,126.18,128.70 142.74 mcs,248kc	+,126.18,128.70 142.74 mcs.	100',1/2 mi.30-min.not.
El Toro MCAS, Calif.	*	+	30-min. notice.
Jacksonville NAS (Lee Fld) Fla.	*	+	200',1/2 mi.15-min.not.
Miramar MCAS, Calif.	*	+	200',3/4 mi.30-min.not.
Moffett Fld NAS, Calif.	*	+	100',1/2 mi.Continuous.
New York NAS (Floyd Bennett), N.Y.	*,388 kcs	+	100',1/4 mi.30-min.not.
Norfolk NAS, Va.	*,323 kcs	+	200',1/2 mi.30-min.not.
Oakland NAS,Calif.	*	+	100',1/4 mi.30-min.not.
Olathe NAS, Kans.	*	+	100',1/4 mi.30-min.not.
Patuxent River NAS,Md.	*,347 kcs	+	100',1/4 mi.Continuous.
Quonset Point NAS, R.I.	*	+	100',1/4 mi.30-min.not.
Saufley Fld NAAS, Fla.	*	+	100',1/4 mi.30-min.not.
Seattle NAS, Wash.	*,230 kcs	+	100',1/2 mi.30-min.not.
Squantum NAS, Mass.	*	+	200',1/2 mi.30-min.not.
Whidbey Island NAS, Wash.	*,278 kcs	+	100',1/4 mi.30-min.not.

Standard freqs = 3475,4890,6640 kcs; 134.64,142.02,143.64 mcs.
* Standard, 3117.5 kcs,140.58 mcs, & HF from 2000 to 18100 kcs.
+ Standard, 3117.5 kcs,140.58 mcs, & HF from 1500 to 9050 kcs.

ARMY GCA UNITS

LOCATION	FREQUENCIES		REMARKS (Hrs. of operation,etc.)
	Transmitting	Receiving	
Fairfield-Suisun AAF, Calif.	HF, VHF, 3117.5 kcs, 131.4 mcs.	350,3117.5 kcs or any freq between 1500-18000 on req	Cont during IFR;0900-2100 Mon-Fri;30-min notice other times.
Barksdale Fld, La.	HF, VHF	VHF,3117.5,4495, 6210 kcs. 116.1 mcs.	0800-1700 Mon-Fri;cont. during IFR; 40-min. notice other times.
Westover Fld,Mass.	137.88,140.58, 134.1,137.7 mcs.	137.88,140.58, 134.1,137.7 mcs; 3117.5 kcs.	On training status only. Should not be used for actual inst. low approach.
Andrews Fld, Md.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,4495,3117.5, 3105,6210kcs, 116.1 mcs.	Cont during IFR;0800-1700.CFR;30 -min. notice other times.
Clinton Co. AAF, Ohio	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,116.1 mcs, 1500-18000 kcs.	Cont during IFR;0800-2200 CFR; 30-min. notice other times.
Langley Fld, Va.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF, 3105,3117.5 4495, 6210 kcs; 116.1 mcs.	Cont during IFR;0800-1630 CFR; 40-min. notice other times.
Mitchel Fld, N.Y.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,3105,3117.5, 4495,4765 kcs, 116.1 mcs.	Cont. during IFR;training flights 0900-1130 & 1300-1630 during CFR; 40-min. notice other times.

HF= 3475, 4890,6640 kcs. VHF = 126.18,134.1,137.7,137.88,140.58 mcs.

N.B. Weather minimums: For clearance purposes **minimums established in** TO-08-15-3 or AAF Regulations **60-16** apply.

N.B. Pilots desirous of making practice GCA approaches should make their own arrangements with the tower concerned.

JUNE 24,1947

AIR NAVIGATION RADIO AIDS

LEGEND

(3) - Station guards 3105, 4495, 6210 kcs
(4) - Station guards 3105, 4495, 6210, 3117.5 kcs.
(7-24) - Hours of operation (7 A M. to midnight) on a 24-hour clock basis
→ - New or revised data*

RADIO CLASS DESIGNATIONS

AC..... Approach Control Tower, CAA
B..... Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited)
C..... Control Tower, CAA
CA..... Control Tower, Army
CL..... Control Tower (City,County,Private, etc.)
CN..... Control Tower, Navy
D..... Distantly controlled
FM.....VHF fan type marker (100 watts)
FMHW.....Non-directional radio beacon when combined with fan marker.
GCA..... Ground control approach system
H..... Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System (voice on localizer channel)
IM.....VHF boundary marker
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
MH.....Non-directional radio-beacon (homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts.
MM.....VHF middle marker
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50 less than 150 watts
MRL.....Range (loop radiators), power more than 50 less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within
P.....Point to point radio } 5 miles of middle marker
RA.....Range (adcock, vertical radiators), power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous (range signals and voice) type of transmitter
T.....Teletype
TX.....Principal teletype
V.....Additional voice feature on VHF
VAR.....Visual-aural VHF range (every VAR has simultaneous voice feature)
W.....Without voice facilities
Z.....VHF station location marker at a range station

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE •–	E-EASY •	I-ITEM ••	M-MIKE ––	Q-QUEEN ––•–	U-UNCLE ••–	Y-YOKE –•––
B-BAKER –•••	F-FOX ••–•	J-JIG •–––	N-NAN –•	R-ROGER •–•	V-VICTOR •••–	Z-ZEBRA ––••
C-CHARLIE –•–•	G-GEORGE ––•	K-KING –•–	O-OBOE –––	S-SUGAR •••	W-WILLIAM •––	
D-DOG –••	H-HOW ••••	L-LOVE •–••	P-PETER •––•	T-TARE –	X-XRAY –••–	

1 •————	3 •••––	5 •••••	7 ––•••	9 ————•
2 ••–––	4 ••••–	6 –••••	8 –––••	0 —————

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission) 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered non-directional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles. These are now shown as "MHW" facilities.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency, and generally, VHF of 116.1 and/or 111.1 mcs. 116.1 mcs. is used for transmission to Army aircraft, 111.1 mcs. to civil aircraft.

The classification designation "B" denotes that the station broadcasts meteorological and notice to airmen information on a scheduled basis at 15 & 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW RADIO FACILITIES, BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

N.B. For Digest of A.T.C. and Communications Procedures, see *FLIGHT INFORMATION MANUAL*

AIRPORT DATA

LEGEND

(When city and airport names are identical, the airport name is omitted in the interest of space-conservation)

(A)	Airport name	(A) -	Owned or leased totally by Army
(N)	"	(N) -	" Navy
(CG)	"	(CG)-	" Coast Guard
(NG)	"	(NG)-	" National Guard
(A)	"	-	Open to civilians but owned or leased wholly or in part by Army, Air Reserve, Army aveg. detach. or contract gas usually available.
(N)	"	-	Open to civilians but owned or leased wholly or in part by Navy.
(CG)	"	-	" Coast Guard.
(NG)	"	-	" WD or State Govt, for Air Nat'l Guard. Ltd sveg. and main. for transient military acft.
(P)	"	-	Civil airport opened to military acft. (See Note 3)
★	"	-	CAA Intermediate Field

CLASS

SIZE

40: Length of longest landing strip (unpaved) in hundreds of feet
40h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl").

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-angling winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW/SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station
R2: Range (or homing device) and tower
R3: Range (or homing device), tower, and instrument landing system

LIGHTS

L: Incomplete lighting, either flood or portable runway lights
L1: Beacon only
L2: Beacon and boundary
L3: Beacon, boundary, and obstruction
L4: Beacon, boundary, obstruction, and flood
L5: Beacon, boundary, obstruction, flood, and runway contact
(L5): Identical to L5 except that runway contact lights are high intensity
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach
(L6): Identical to L6 except that instrument approach lights are high intensity

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

SERVICING

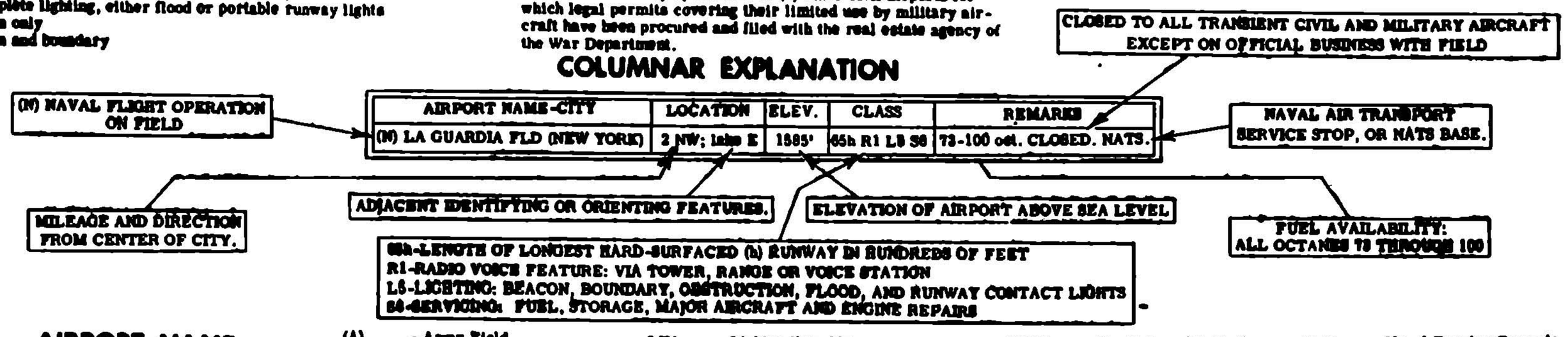
S1: Fuel
S2: Fuel, storage
S3: Fuel, storage, minor aircraft repairs
S4: Fuel, storage, minor aircraft, and minor engine repairs
S5: Fuel, storage, major aircraft, and minor engine repairs
S6: Fuel, storage, major aircraft, and major engine repairs

N.B. Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently, servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class, comparable to, for example, "1S S1" "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there. Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class column should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify
2. → New or revised data. ✱
3. "(P)" in CITY-AIRPORT NAME column indicates: (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the U.S. Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. "Effingham Int., 10, LS-ID" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int.".
5. In Location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct.", indicates fuel octanes available. "Army", or "Navy" following octane indicates Army or Navy contract fuel available.
   (b) "CLOSED" indicates closed to all civil aircraft and all transient military aircraft except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "TEMP INACTIVE. NO FACS." indicates AAF airfields used either exclusively by the AAF or municipal airfields used jointly by the AAF and civil interests at which both the Army and the civil interests are inactive. Such airfields will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned (See Special Notice).
   (e) "ARMY TEMP INACTIVE. CIVIL FACS." indicates municipal airfields used jointly by the AAF and civil interests at which the Army facilities are inactive but civil facilities are available. Such fields may be used by military aircraft, however, only commercial service is available.
   (f) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency. Only those private fields that are clearly identifiable from the air as airports are listed. Thus many personal use fields are not covered in the Guide because they are not marked or are too small.
   (g) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines within at least a 10-1 glide angle are indicated.
   (h) "Fld lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (i) "FEE" indicates landing fee for private aircraft.
7. Airline stop airport names are capitalized or bracketed.

COLUMNAR EXPLANATION



AIRPORT NAME ABBREVIATIONS

(A)	- Army Field	LTA	- Lighter than Air	NAAS	- Naval Aux Air Station	NPG	- Naval Proving Grounds
AAB	- Army Air Base	MCAS	- Marine Corps Air Station	NAF	- Naval Air Facility	OLF	- Outlying Field (Navy)
AAF	- Army Air Field	MCAAF	- Marine Corps Aux. Air Facility	NAS	- Naval Air Station		
CGAS	- Coast Guard Air Station	N	- Navy Field	(NG)	- National Guard		

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW AIRPORTS BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

FLIGHT PLANNING CHARTS

JUNE 24, 1947

LEGEND

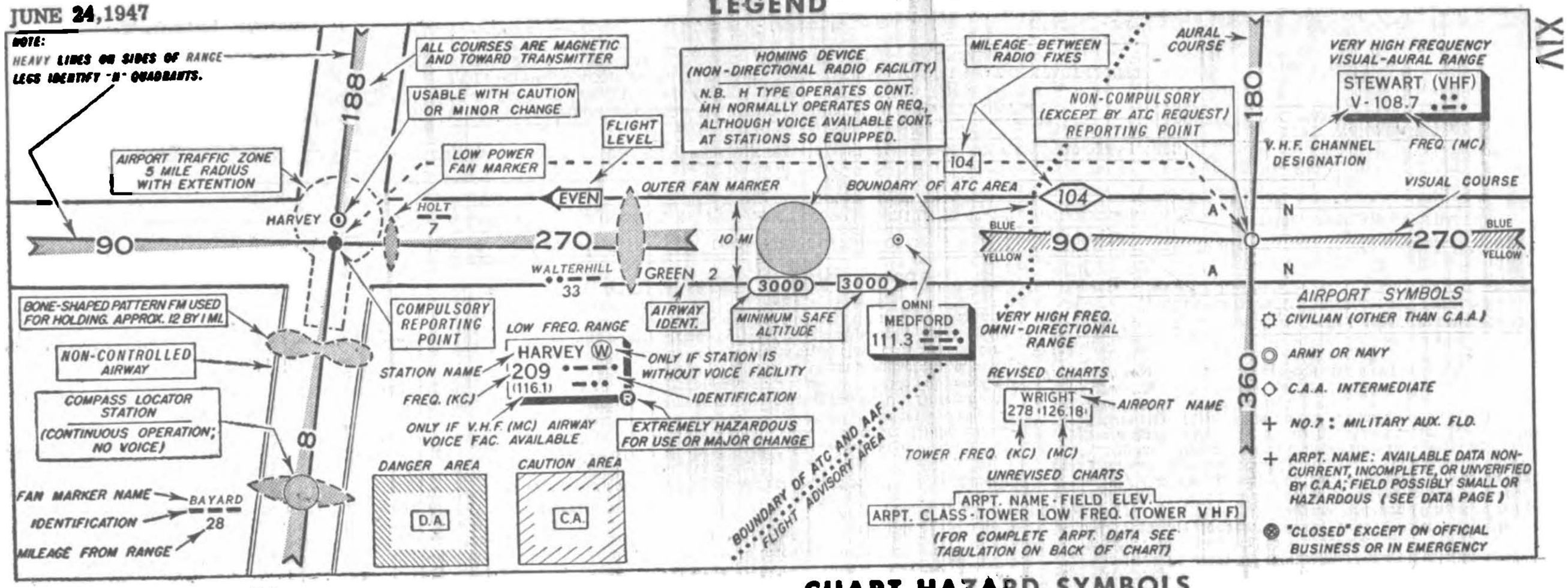


CHART CONTENTS

The Flight Planning Charts, in addition to the warning (R) and caution (O) symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages; (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways. These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE AND USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled (R) or (O) items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new fields, abandoned fields, range freqnency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

VHF CHANNEL LETTER DESIGNATORS

Channel letter designators are being shown on the Flight Planning Charts herein only as an aid to pilots in their use of unmodified military equipment. It is emphasized that not all very-high frequencies now in use have channel letter designators. Standardization of air-borne equipment in this respect has not been effected, nor is it expected to be along the lines of one-letter designators because of the large number of frequencies which eventually will be in use.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol (R) for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol (O) for orange, or caution.

RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

WARNING

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

Loop ranges (such as ML, RL, MRL without simultaneous feature) are not suitable for DF and ADF operations. DF or ADF use should be restricted to simultaneous type of range stations, H stations, and commercial broadcast stations.

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASTORIA (Clatsop)	323 (AST)	MRLZ; 99°, 6.9	3105, 6210 (7-17), Oper by Port of Astoria,
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°, 7.5	Tillamook NAS
EUGENE (Mahlon Sweet)	251 (EU) (116.1)	SBRAZ-DTV, 150°, 4.5	(4); 116.1 (ILS-W)
PORTLAND	332 (PD) (vhf)	SBRAZ-DTV, 171°, 3.1	(3); 116.1, 122.1
REDMOND (Roberts)	368 (RG) (116.1)	SBRAZ-DTV; 101°, 4.3	(4); 116.1
THE DALLES	230 (ND) (116.1)	SBRAZ-DTV, 251°, 2.8	(4); 116.1
TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105, 4495
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3); 142.74 (8-sunset, later on req)
WILLAMETTE FM	(- -)	FM, 176°, 20.6	Portland

RADIO — WASHINGTON

BELLINGHAM	209 (JJ) (116.1)	SBRAZ-DTV, 114°, 2.9	(4); 116.1
CAMANO ISLAND FM (Navy)	(- -)	FM, 123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 62	Seattle
EASTON FM	(- - - -)	FM, 270°, 37	Ellensburg
ELLENSBURG (Bowers)	385 (EB) (vhf)	SBMRAZ-DTV, 270°, 2	(4); 116.1, 122.1
EVERETT (Paine)	224 (MI) (vhf)	BMRLZ-DTV, 330°, 3.1	(4); 116.1, 122.1
HOBART FM	(- -)	FM, 88°, 15	Seattle
LA CENTER FM	(- - - -)	FM; 331°, 12	Portland, Oreg.
LAKEVIEW FM	(- - -)	FM, 175°, 25.5	Seattle
McCHORD (Tacoma) (Army)	272 (DTA)	BMRL; 26°, 1.7	
MOUNT VERNON OLF	3295 (126.18) (142.74)	CN	3105, 4495; 126.18, 142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105, 4495; 142.74 (8-1630)
SEATTLE (King County)	260 (SA) (116.1)	SBRAZ-DTXV; 296°, 2.8	(3); 116.1, 122.1
STEVENSON FM	(. . -)	FM, 63°, 32	Portland, Ore.
→ TOLEDO (Toledo-Winlock Int.)	239 (GL) (vhf)	BMRLZ-DTV, 236°, 2.8	(4); 116.1, 122.1
WASHOUGAL FM	(-)	FM, 63°, 17.5	Portland, Ore.
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74, 126.18)	CN (GCA); 303°, 3.3	(3); 142.74, 126.18. Tr. and gds 116.1, 140.58 on req.
WHIDBEY ISLAND NAS (Navy)	522 (K)	MH	(4) cont.
Whidbey Island NAS (Seaplane)	2870 (142.74)	CN	(3); 3155; 142.74 (24 hrs advance notice)
WOODLAND FM	(. . - - - -)	FM, 331°, 23	Portland, Ore.
YAKIMA	320 (YA) (vhf)	BMRLZ-DTV	(3); 116.1, 122.1
Yakima Co. Airport	278 (118.5)	AC; 267°, 4.7	(4); 118.5, 122.5, 142.74

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MAHLON SWEET (L6)	109.9	333.8	159°	IM-		OM- -·-· (0.63)	
					MM-		OMK- (4.5)
					MMK-		

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3177.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW; RR E	267	33 S4	80 oct.
Albany	2.5 NE; RR NW	235	26 S6	80 oct. P-line SW. Trees S, SW.
* Arlington Int, 12B, PD-SM	1.4 ENE; riv NW	872	50 L3	
Bend	5.5 ENE; hwy S	3429	40 S6	80,91 oct. Pwrline SE. Use strips.
(P) Clatsop Co. (Astoria)	3.5 W; riv E	10	57h R1	
Coastway School of Aeronautics (Tillamook)	1.4 E	55	29 S6	80 oct. Ctn when wet.
(P) Corvallis	4.9 SSW; hwy E	235	52h S6	80,91 oct.
Corvallis Junction	1.3 NNE; RR W	240	20 S6	80 oct.
Dallas	1.2 N; RR S	372	23 S2	80 oct. ENE, WSW blkd.
→ Eugene Airpark	1.6 SW; rd W	420	28 S6	80,91 oct. Trees NNW.
Harrisburg	2 NNE; RR E, W	300	25 S1	80 oct.
→ Hood River	2.5 S; riv E	605	19 S1	80 oct Soft when wet. Brush E.
→ Langmack (Sweet Home)	2 E; RR N	550	32 S2	80 oct. E blkd. Trees W.
Lebanon	1.3 SW; RR E	340	36 S6	80 oct.
(P) Madras	2 NNW; RR SE	2420	74h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

AIRPORTS — OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
MAHLON SWEET (Eugene)	8 NW; RR NE	365	52h R3 L6	No tower.
McMinnville	3.1 ESE; hwy N	156	50h S6	80 oct. Trees SW.
(P) McNARY (Salem)	2.2 SSE; RR SW	207	55h L5 S6	80,91 oct. No sto.
(P) Newport	4 S; ocean W	160	51h L5 S4	80 oct. No sto. Lgts on req.
→ Prineville	2.9 SW; hwy SE	3237	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW; RR E	195	23 S1	80 oct. Cattle on fld.
(P) Roberts (Redmond)	1.5 SE; hwy N	3075	70h L S6	80,91 oct. Temp rnwy lgts on req.
Santiam Junction Flight Strip (Idanha) (NC)	21.5 SSE; hwys N	4000	30	Trees W, E.
Sky Haven (Brooks)	See Sky Acres under "New Airports" - name changed.			
(P) The Dalles	1.7 NE	239	51h R1 L5 S6	80,91 oct.
(N) Tillamook NAS (N)	3 SE; riv N	35	50h R2 L5 S4	91 oct. Used by LTA, HTA.
Vernonia (NC)	2.4 WSW; riv S	620	29	Obst sur fld.
Wasco	0.4 E; RR SW	1420	18 S1	Ltd 80 oct.
→ Willamette Arpk. (Eugene)	4.8 W; hwy S	420	25 S6	80,91 oct.

AIRPORTS — WASHINGTON

(N) Arlington Aero, School	3 SW; hwy W	129	53h L5 S6	80,91 oct. Rnwy lgts prior req.
Barker & Dean (Mt. Vernon)	2.2 S; RR, riv W	4	20 S4	73,80 oct. Trees NW. ARPT OF ENTRY
(P) BELLINGHAM	4.5 NW; hwy E	158	50h R1 L5 S6	80,91 oct. Fld lgts prior req.
Blaine	0.5 E; RR W	15	15 S1	80 oct. P-line SSE. Ctn when wet.
(P) Bowers (Ellensburg)	2.5 NE; hwy S	1767	59h R1 L5 S6	80,91 oct. Ctc lgts prior req.
Cameron (Kittitas)	0.5 N; RR S	1650	26	
(P) Chehalis Co.-City	0.6 NW; RR E	174	50h S6	80 oct. No sto.
Clallam Co. (Port Angeles)	3.2 WNW	290	52h S6	80 oct.
Cle Elum	2.4 E; hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW; hwy ESE	110	33 S6	80,91 oct. P-line WNW. Trees ESE.
(N) Coupeville OLF (N)	2 SE	193	54h	CLOSED. ARPT OF ENTRY.
* Easton Int, 5B, SA-HL	1.7 NNW; RR SW	2221	30 L2	Trees, mtns WNW.
Everett	3.5 NNE; riv N	15	21 S2	80 oct. P-line W. Ctn winter.
(P) Fancher (Wenatchee)	2.5 NE; hwy S	1440	33h L5 S6	80,91 oct. Fld lgts prior req. P-line SE.
Forks (NC)	1 SW; rd S	286	23 S1	80 oct. Trees ENE, WSW. HAZARDOUS
Goldendale (NC)	0.6 SE; RR W	1600	20	Pole line E, SE. Ditch center. HAZ-
Ilwaco	1.5 ENE; Bay S	8	20 S2	80 oct. ARDOUS.
Intercity, USFS (Winthrop)	4 SSE; riv SW	1650	32 S1	80,91 oct. Mtns SE.
Kelso, 61A, SF-SA	1.4 S; RR SW	25	29 L3 S6	80 oct.
Kenmore (Bothell) (NC)	2.3 NW; rd E	420	17	12-14' brush NNE, SSW.
(P) Moon Island (Aberdeen)	6 W; harb N, S	14	50h L5 S6	80, 91 oct.
(N) Mount Vernon OLF (N)	5 NW; RR S	146	53h R1	Pole line N. CLOSED.
Olympia	4.5 S; hwy E	190	50h S4	80 oct. Trees W.
Orcas Island (East Sound)	0.7 N; hwy E	25	24 S2	80,91 oct.
(P) Paine (Everett)	6.5 SW; hwy NE	602	65h R1 L5 S6	80 oct. Fld lgts prior req.
PANGBORN (Wenatchee)	5.3 ESE; hwy S	1246	46h L5	Contact lgts prior req. Mtns N, E.
Pasayten, USFS (Winthrop) (NC)	38 NW; riv E	4250	28	Use in emerg. only. Clsd to public.
(CG) Port Angeles CGAS (CG)	2 NNE	13	45h R1 L5 S1	91,100 oct. Lgts prior req.
Quillayute	0.7 NNW;	195	50h	8 mi. W of Forks.
(N) Shelton NAAS (N)	See Mason County Arpt under "New Arpts" - name changed.			
Skagit Valley Air Svc. (Burlington)	0.7 S; RR E	35	20 S1	80 oct. Pwrline S. Use strips only.
Snohomish	0.9 SW; RR N	16	30h S6	80,91 oct. Rnwy data unver. Poles ESE.
Snoqualmie Pass (North Bend)	3.5 ESE; hwy S	680	19	Trees WNW, ESE. (NC)
* Toledo-Winlock Int, 63B, SF-SA	3 NE; hwy W	371	51h R1 L3 S2	80, 91 oct.
Toppenish	3.2 SSW; hwy E	835	32 S3	80 oct.
Twisp	1.9 SE; riv S	1620	19 S1	80 oct. Hills NNW.
Westport (NC)	0.5 N; harbor E	5	18 S1	80 oct. P-lines NW. Ctn.
(N) Whidbey Island NAS (N)	3 NW Oak Harbor	17	70h R2 (L6) S2	91, 100 oct.
YAKIMA COUNTY	2.8 SSW	1058	50h R2 L5 S6	80,91,100 oct. Pole line S.

NEW AIRPORTS

Sky Acres (Brooks, Ore.)	1.6 NE; RR W	180	20 S1	Ltd 80 oct.
Seaside (Oregon)	1.5 NE; RR W	6	17 S4	80 oct. No sto. (Marysville, Wash.)
→ Marysville Bay Meadows Arpk	2 N; rd W	60	13	Very dangerous appchs.
→ Vision (Longview, Wash.)	6.2 NNE; riv N, E	20	31 S1	80,91 oct NW blkd Use with ctn.
Springfield (Ore)	1.6 ENE; hwy 0.5 S	460	20 S1	80 oct. Ctn-wet weather. P-line E.
Ocean Park Sky Port	0.5 S; hwy W	10	21	P-line S. (Klipsan Beach, Wash)
Elma (Wash.)	0.8 S; rd W, riv S	60	26	P-line W.
Summit (Montesano, Wash.)	2.9 W; hwy S	190	22 S1	80 oct.
Mossyrock (Wash.)	1 W; hwy SW	613	19 S1	80,91 oct.
(N) Mason Co. (Wash.)	2.5 NW; hwy ENE	278	52h L S6	Twr NW. No Navy facs, Lgts prior req. →
→ S & S Airstrip (Graham, Wash.)	3.9 N; hwy E	520	13	Tall grass SSW
← Whidbey Is (San de Fuca, Wash.)	1.0 N; bay S	185	16 S1	80,91 oct. Trees N

2 SEATTLE

Ⓤ: USABLE WITH CAUTION
Ⓡ: EXTREMELY HAZARDOUS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF BARS USE INSTEAD OF "E" BOUNDARIES

ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA

FOR DETAILS IN THE PORTLAND AND SEATTLE APEAS SEE CHART 143

BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS. WHIDBEY-AULT 278 (142.74, 126.1Ⓡ)
MOUNT VERNON OLF
SKAGIT VALLEY
NAS. WHIDBEY IS. 522
NAS. WHIDBEY IS. 2970 (142.74)
NAS. WHIDBEY IS. 353
BARKER & DEAN
ARLINGTON AERO
CGAS. PORT ANGELES 3295 (142.74)
EVERETT 224 (111.1, 116.1)
MARYSVILLE
EVERETT
SEATTLE 260 (116.1)
McCHORD AAF 272
ELLENSBURG 385 (111.1, 116.1)
TOLEDO 239 (111.1, 116.1)
YAKIMA 320 (116.1)
ASTORIA 323
NAS. TILLAMOOK 520
PORTLAND 332 (111.1, 116.1)
THE DALLES 230 (116.1)
EUGENE 251 (116.1)
REDMOND 368 (116.1)
NAS. TILLAMOOK 278 (142.74)
YAKIMA CO. 278 (116.5)

BLAINE
BELLINGHAM
ORCAS
WASH. 4 D.A.
MOUNT VERNON OLF
SKAGIT VALLEY
BARKER & DEAN
INTERCITY
TWISP
ARLINGTON AERO
MARYSVILLE
EVERETT
COUPEVILLE
CAMANO IS
CLALLAM CO.
DUNGENESS 62
QUILLAYUTE
COUNTY-CITY
PAINE
SNOHOMISH
MASON CO.
LAKEVIEW 26
HOBART
EASTON
EASTON 37
CLE ELUM
PANGBORN
FANCHER
BOWERS
CAMERON
OLYMPIA
MOON IS.
WESTPORT
CHEHALIS CO-CITY
TOLEDO-WINLOCK
OCEAN PARK
ILWACO
VISION
CLATSOP CO.
WASH.
ORE.
KELSO
SEASIDE
WOODLAND 23
STEVENSON 32
WASHOUGAL
LA CENTER 12
HOOD RIVER
ARLINGTON
WASH. 1 D.A.
BAY OCEAN
COASTWAY AERO.
THE DALLES
WASCO
McMINNVILLE
WILLAMETTE 21
SKY ACRES
McNARY
ADAMS
DALLAS
RAY ADAMS
NEWPORT
ALBANY
CORVALLIS JCT.
CORVALLIS
LEBANON
LANGMACK
HARRISBURG
MAHLON SWEET
SPRINGFIELD
WILLAMETTE
EUGENE
MEDFORD
MEDFORD 19
MADRAS
ROBERTS
PRINEVILLE
BEND
CHEMULT
TOPPENISH
WASH. 5 D.A.
ORE. 2 D.A.
YAKIMA CO.
TO YAKIMA
TO PENDLETON
SPOKANE 3

MILES
STATUTE

SPOKANE 3

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

49° 120° 119° 118° 117° 116° 115° 49°

MONT.

DOROTHY SCOTT
Ⓞ TONASKET
OKANOGAN NO 1
OKANOGAN LEGION
COLVILLE
NEWPORT
HAFER'S
DEER PARK
SPOKANE 365 (111 1 116 1)
WASH.
IDAHO
IDAHO
MONT.
SANDPOINT
COEUR D'ALENE 347 (116 1)
EUREKA
LIBBY
STATUTE MILES
ANDERSON
CALKINS AIR TERMINAL
EPHRATA 269 (111 1 116 1)
CHELAN
DAVENPORT
SPOKANE AAF 245 (126 18)
FELTS 278 (118 5)
COEUR D ALENE AIR TERMINAL
THOMPSON FALLS
WILBUR
COULEE CITY
HARRINGTON 45
EPHRATA
ARMSTRONG'S
SAVAGE
GEIGER AAF
SPRAGUE Ⓡ
HARRINGTON
WEEKS
LE MEN
MANITO
ROSALIA
ST MARIES
KELLOGG
TO ELLENSBURG
MOSES LAKE AAF
RITZVILLE
TEKOA FLY CLUB
MULLAN PASS 206 (116 1)
LIND
LA CROSSE
WASHTUCNA
PULLMAN MOSCOW REGIONAL
WASH 5 D A
CONNELL
WASH. 8 D A
ASOTIN CO.
OROFINO
TOUCHET VALLEY
WALLA WALLA 212 (116 1)
SUNNYSIDE
PASCO
RICHLAND
PROSSER
LEWISTON
CRAIGMONT
KAMIEH
MARTIN
VISTA
TWIN CITY
WALLA WALLA AAF
SKY RANCH
WASH
ORE
PENDLETON 278 (118 7)
OREGON SKY RANCH
IDAHO CO
HERMISTON
BOARDMAN
ARD 1
TO THE DALLES
CABBAGE HILL
PENDLETON AWYS SER
ENTERPRISE
JOSEPH
LEXINGTON
LA GRANDE 329 (116 1)
PENDLETON 341 (111 1, 116 1)
LA GRANDE
ORE. IDAHO
NEW MEADOWS
McCALL
BAKER 221 (111 1, 116 1)
JOHN DAY
BAKER
CASCADE
SEATTLE SALT LAKE CITY
WEISER
On request
ONTARIO 305 (116 1)
PAYETTE
PAYETTE
ONTARIO
BOISE 350
ELKO 22
SEATTLE 2
GREAT FALLS 6
SEATTLE
GREAT FALLS
10 SUPERIOR

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
[redacted]		IDAHO	
COEUR D'ALENE (Air Term.)	347(CO)(116.1)	BMRLZ-DTV;321°,5.2	(4);116.1
PAYETTE FM	(. . - - - -)	FM; 301°, 49	Boise.
		MONTANA	
MULLAN PASS	206(MN)(116.1)	BMRLZ-DTV	(4);116.1
		OREGON	
BAKER	221(BK)(vhf)	SBRAZ-DTV;116°,1.8	(4);116.1,122.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329(IU)(116.1)	MHTV	(4);116.1
LA GRANDE FM	(- - - -)	FM; 300°,38	Baker
➔ ONTARIO	305(OO)(116.1)	MHV	(4);116.1,122.1
PENDLETON	341(PO)(vhf)	SBRAZ-DTV	(3):116.1 122.1
➔ Pendleton Arpt.	278 (118.7)	C; 247°, 2.3	(4);122.5,118.7†
		WASHINGTON	
EPHRATA	269(EP)(vhf)	BMRLZ-DTV;336°,3.9	(4);116.1,122.1
FELTS (Spokane)	278 (118.5)	AC;331°,1.2	(4);118.5,126.18,122.5
HARRINGTON FM	(- - - -)	FM; 236°, 45.3	Spokane
SPOKANE (Felts)	365(SM)(vhf)	SBRAZ-DTV	(3);116.1,122.1
SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
WALLA WALLA	212 (WL)(116.1)	SBMRLZ-DTV	(4):116.1
➔ Walla Walla AAF			DECOMMISSIONED

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
		IDAHO		
Cascade	1 E;riv SW	4765	29 S2	80 oct. Pole line NW.
➔ Cayuse Creek, USFS (NC)	40 ENE Pierce	3770	20	
Chamberlain, USFS (Dixie)(NC)	17.6 SE	5765	32 S1	73 oct. Maint. May to Nov.
(P) Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50' poles S.
↘ Dixie, USFS (NC)	4 SW; creek E	5200	28	Obst N,E,S.
(P) Idaho Co. (Grangeville)	0.9 N;dam S	3295	44 S4	80 oct. 20' pole line W.
Kamiah	0.6 SE;riv E	1194	32 S1	80 oct. Trees SSE.
★ Kellogg Int, 29B, SA-HL	0.8 NW;riv N	2300	38 L3 S4	80 oct.
↘ Landmark, USFS (Knox) (NC)	1.7 SSE	6680	23	ESE blkd, hills SSW.
(P) Lewiston	2 S;riv NW	1426	50h L1	Port rnwy lgts.
McCall	1 S, RR W	5021	23 S6	80 oct. P-line NE.
Orofino	1.3 NW;riv NE	1000	24 S6	80 oct. Ctn, Mtns ESE.
Payette	2 NE:RR W	2200	35 S6	Road crosses fld SE. No sto.
➔ Priest River (NC)	0.9 NNW, RR S	2165	25	Trees E; hill W.
➔ St. Maries	1.2 NW;riv S	2132	23 S2	76 oct.
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct. No sto. Pole line W.
Tekoa Flying Club (Tensed)	5 NNW, crk N	2650	16 S2	80 oct.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
Weiser	2.8 S, riv W	2120	34 S6	80 oct.
	[redacted]			
Eureka	2.7 NNW, RR N	2680	27	80 oct.
Libby, USFS	1 NE;riv S,E,W	2090	30	Mtns sur fld.
Thompson Falls	3.2 ESE, RR N	2460	25	Mtns E,S.
		OREGON		
(P) Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80,91 oct. No sto.
Boardman Flight Strip	5.6 WSW, RR N	378	42h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➔ NEW OR REVISED DATA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
		OREGON		
Enterprise	1.4 WNW;RR SW	3750	34	Hwy SW.
➔ Hermiston	1.7 SE;hwy W	635	25 S2	80 oct. P-line ENE.
(P) Joseph	1.2 W;RR E	4150	33 S2	80 oct.
(P) La Grande	5.5 ESE, RR SW	2713	47h R1 L2 S6	80 oct.
Lexington	0.7 N;hwy E	1650	30 S1	80 oct. RR SW
(P) Ontario	2.5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oregon Sky Ranch (Milton)	3.7 SSW, RR E	1300	20 S6	73,80 oct.
(P) PENDLETON	2.9 WNW;RR S	1492	63h R2 L5 S6	80 oct for U.A.L.
Pendleton Airways Inc. (Pendleton)	3.8 ESE, RR N	1200	37 S6	80,91 oct. Pole line E.
➔ Pilot Rock	0.8 E, hwy N			ABANDONED.
		WASHINGTON		
Anderson (Pateros)	1.6 SSW;hwy E	1100	16 S1	80 oct. Mtn W.
Asotin County (Clarkston)	0.6 N	760	34 S6	80,91 oct. Mtn 1 mi W.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct. Trees 200' W.
(P) Chelan	4.7 NE;riv SE	1250	26	Hills N,S,SW. Caution.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
(P) Connell	1.2 SSW, RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW, hwy S	2425	28 S1	80 oct. Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
(P) Dorothy Scott (Oroville)	3 NNE;lake W	1290	29 S2	80 oct, 2000' mtn S.
Ephrata	2 SE, hwy NW	1258	73h R1 S6	80 oct. ARMY TMP INACT. CIVIL FACS.
Fairweather (Republic) (NC)	0.8 S;riv E	2500	20	Trees N,S.
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91 oct. ARPT OF ENTRY.
(A) Geiger (Spokane) (A)	6.5 SW;hwy N	2372	82h	TMP INACT. NO FACS.
➔ Hafer's Ranch (Chewelah)	3.6 SSW;RR E			ABANDONED.
★ Harrington Int, 19, SA-HL	1 NNW;hwy E	2305	32 L3	
"JZ" (Almira)	1 NNW;RR SW	1950	21	
La Crosse, 28B, PD-SM	2.5 SW;RR NW	1459	37 L3 S1	80 oct. RR E.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct. No sto. Pole line NNE.
(P) Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Place)	1.5 WSW, RR N	750	24 S6	80,91 oct. No sto. Trees ENE.
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	TMP INACT NO FACS
Newport	1 W;riv NE	2150	29 S2	No fuel. Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	25 S6	80 oct.
Okanogan Flight Strip (Omak)	4 N;hwy E	1298	47h S1	80 oct.
↘ Pasco	2.8 NNW, RR E	402	47h	CLOSED.
(P) Prosser	1.4 NW;riv S	685	40 S6	80,91 oct. Trees W. Poles NE.
(P) Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct.
Richland	1.3 SSE, riv NE	365	23 S1	80 oct. Riv SE.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct. Pwrline, bldgs NE.
Rosalia	2.6 W	2180	26 S1	80 oct. Hill NE.
Savage (Cheney)	0.7 WSW;RR SE	2400	24 S1	80 oct.
➔ Sky Ranch (College Place)	1 E;mtn S	800	30 S6	80,91 oct. WSW blkd.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct. JP-1. No sto.
Sprague	0.7 NE;RR S	2000	21	
Sullivan Lake (Metaline Falls)	4 ESE;lake S	2590	21	Road crosses fld-caution. (NC)
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	41 S1	80 oct. Pwr line SSW. P-line SSE.
Touchet Valley (Huntsville)	0.5 NE;RR S	1400	19 S4	80 oct. Trees, poleline WSW.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
Vista (Kennewick)	4.5 W;rivs NW	516	35h L S6	80,91 oct. Emerg lgts on prior req.
Wallace (Mead) (NC)	2 W;RR E	1935	26	40' trees NE.
(A) WALLA WALLA AAF (A)	3 NE;hwy S	1205	72h R2	CLOSED.
↘ Washtucna	1 S;RR SE, NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct. Pole line NE.
		NEW AIRPORTS		
Craigmont, (Idaho)	Adj NW;RR SW	3688	20 S2	80 oct. P-line E.
Manito Arpk (Spokane, Wash)	5 SSE	2450	21	P-line NE;trees SW Data unver.
New Meadows (Idaho)	0.5 N;hwy jct SE		26	Unusable in wet weather.
➔ Armstrong's Ranch (Harrington, Wash.)	3 ESE	2220	25 S2	Data unver.

GREAT FALLS

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388(DZ)(vhf)	SBRAZ-DTV;332°,1.7	(4);116.1,122.1

MONTANA

ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL) (116.1)	SBMRAZ-DTV,319°,0.8	(4);116.1
BUTTE	233 (BT)(116.1)	BMRLZ-DTV;99°,16.1	(4) 116.1
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV) (116.1)	SBRAZ-DTV;327°,3.1	(4); 116.1
DILLON (Int.)	379(DE)(116.1)	BMRLZ-DTV;167°,2.0	(4);116.1
DRUMMOND (Int.)	296 (DR)(116.1)	SBMRAZ-DTV,185°,1.3	(4);116.1
GREAT FALLS	317(GT)(116.1)	SBRAZ-DTV	(3);116.1
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.5	(4);126.18,122.5,118.7
GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371(HL)(vhf)	SBMRAZ-DTV252°,1.9	(4);116.1,122.1
Helena Airport	278(118.9)	C	(4);118.9,122.5
HOMESTAKE FM	(- -)	FM, 99°, 21	Butte
LIVINGSTON (Int.)	224(LT)(116.1)	SBMRAZ-DTV;247°,2	(4);116.1
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308(MX)(vhf)	SMRAZ-DTV; 120°, 1.5	(4);116,1,122.1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254(SP)(116.1)	BMRLZ-DTV;275°,0.1	(4);116.1
WHITEHALL (Int.)	284(WW)(116.1)	SBRAZ-DTV;183°,2.3	(4);116.1
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs(NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
(P) Challis	1.2 NNE;hwy E	5000	34 S1	80 oct.
Dubois, 23,S1-GT	0.8 SSE	5123	48 R1 L3	30' pole W.
Flying R (Lake)	2.8 SE;hwys SE,S	6630	34	Mtns ENE.
Moose Creek,USFS (Red Riv,Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld. (NC) Closed to Public
Salmon	4 S;riv W	4045	40 S1	80 oct,Mtns NE.

MONTANA

Basin Creek (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4900	21		Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4650	22		Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	26 SE Swan Lake.	4200	22		Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25	S1	(NC) 80 oct.Rough
(P) BUTTE	4 S;RR W,N	5553	56h	R1 L5 S6	80,91 oct.
Chester	1.5 WNW; RR S	3150	44		
(P) Choteau	1.2 NNE;RR W	3810	39	S4	80 oct.
Condon (Flathead Nat'l Forest)(NC)	19 E of Ronan	3690	27		
Conrad	1.1 W; creek S	3530	32	S1	80 oct.
(P) CUT BANK	3 SW;riv 1 E	3900	87h	R1L5 S6	80 oct. ARPT OF ENTRY.
(P) Deer Lodge	1.5 W;RR E	4700	38	S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6114	70h	L3	
★ Dillon Int,32, SL-GT	4.6 ENE;riv 2 W	5238	38	R1L3 S1	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int.44B. SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	
(P) Flathead Co.(Kalispell)	7.4 NNE;RR E	2960'	47h L2 S1	80 oct.All lgts prior req.
→ Fort Benton	1.3 NE;RR S	2870	27 S2	80 oct.Poles NW.Soft when wet.
(P) Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80,91 oct.
→ Gates Park,USFS(NC)	35 W Choteau	5400	26	Sur by mtns.Closed to public
Geraldine Mun.	0.5 S;RR NE	3200	17 S1	Ltd 73 oct. Rough
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
(P) GREAT FALLS	3 WSW; RR E	3669	70h R2 L5 S6	80,91 oct.ARPT.OP ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3485	89h R1 L5 S6	73,91,100 oct,JP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3186	38 L4 S6	80,91 oct. All lgts prior req.
Hamilton	1.3 ENE;hwy W	3640	35 S6	80 oct.Pole line S.Rnwy data unver.
(P) HELENA	2.5 ENE;hwy W	3882	55h R2 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	37 E Ronan	4575	20	Sur by mtns.Closed to public
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.W,NW blkd.
Livingston	6 ENE;RR N,W	4656	62 S2	80 oct.
★ Int,10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3 S2	80 oct.Poles S.
Meadow Creek (Flathead Nat'l Forest)	21 ESE Swan Lake	4000	22	(NC)
(P) MISSOULA COUNTY	5.3 WNW;RR N	3200	71h R1 L5 S4	80,100 oct. No flood lgts.
Plains	1.3 NNW; RR NE	2465'	32 S4	80 oct.No sto.30' Poles NW,NE.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	21 S1	80 oct.Ski-equipped acft only. Nov. thru April.
→ Rainbow Skyport (Gregson)	1 N;RR E,S	5030	40 S1	80 oct.NE,SW,NW blkd.
Schafer (Flathead Nat'l Forest)(NC)	17 SSE Summit	4855	24	Sur by mtns.
Seeley Lake (NC)	4 WNW	4150	20	Trees NW.
Sheridan	0.6 SE	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat'l Forest)(NC)	14 ENE Swan Lake	3800	22	
Stevensville	2 ENE;riv 2 W	3620	30 S1	80 oct.
★ Superior Int,36B,SA-HL	1 S; RR S,riv NE	2700	35 R1 L2 S1	80 oct.Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L3 S1	80 oct.
→ Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	38 S1	80 oct.
(P) Valier	0.6 S;lake S	3820	35	Caution when wet.
(P) West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld.Scheduled air line summer mo. only
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld

NEW AIRPORTS

Gardiner, Mont.	1 NNW;RR S	6200	22	

6 GREAT FALLS

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

CUT BANK
263
(116.1)

QUARTER CIRCLE M.C. RANCH
CUT BANK
TOOLE CO.
CHESTER
FLATHEAD CO.
KALISPELL
VALIER
CONRAD
CHOTEAU
FORT BENTON
POLSON
GREAT FALLS MUNI
278(118.7,126.18)
GERALDINE
TANNER
MISSOULA
308
(116.1, 111.1)
GREAT FALLS
317
(116.1)
GREAT FALLS AAF
219(126.18)
PLAINS
SUPERIOR
MISSOULA CO.
CASCADE
STANFORD
BELT
ALBERTON
CRAIG
GEYSER
HELENA
371
(111.1, 116.1)
CARRISON
McDONALD PASS
WINSTON
SUPERIOR
254
(116.1)
HALE
DRUMMOND
WHITE SULPHUR SPRINGS
STEVENSVILLE
DRUMMOND
296
(116.1)
DEER LODGE
TOWNSEND
LIVINGSTON
224
(116.1)
HAMILTON
BUTTE
HOMESTAKE
WHITETAIL
SIXTEEN
GALLATIN
RAINBOW
BUTTE
233
(116.1)
WHITEHALL
WHITEHALL
284
(116.1)
DILLON
379
(116.1)
SHERIDAN
TWIN BRIDGES
BOZEMAN
329
(116.1)
GARDINER
MONT.
WYO.
SALMON
DILLON
GREAT FALLS
SALT LAKE CITY
DELL
CHALLIS
FLYING "R"
WEST YELLOWSTONE
DUBOIS
388
(111.1, 116.8)
DUBOIS
IDAHO
WYO.
OVER
SALT LAKE CITY 23
IDAHO FALLS

BILLINGS 7

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

BOIL. HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N' QUADRANTS.

49°
110°
109°
108°
107°
106°
105° 25

STATUTE MILES

GREAT FALLS 6

BISMARCK 10

TO GREAT FALLS

LIVINGSTON 224

MONT. WYO.

45°

46°

47°

48°

50

25

Ⓞ CHINOOK
○ HAVRE CITY-CO.
○ HARLEM
○ MALTA AIRPK.
ETCHART ○
Ⓞ VALLEY CO.
GUSTAFSON ANDERSON ○
○ WOLF POINT
FORT PECK ○
SCOBEY ○
VINE ○
CIRCLE ○
○ JORDAN
○ DENTON
LEWISTOWN
FOREST GROVE
MOORE
Ⓞ
LEWISTOWN 353 (116.1)
ROUNDUP
Ⓞ
BILLINGS 400 (116.1)
CUSTER (W) 215
MILES CITY
MILDRED
TO DICKINSON
○ HARLOWTON
LAVINA ○
CUSTER
HIRBE 25
GREEN 2
FORSYTH
MILES CITY 320 (116.1)
RAPELJE ○
BILLINGS 278 (118.7)
BIG TIMBER
Ⓞ
COLUMBUS
PARK CITY 21
BILLINGS 6
ZELKA ○
BIG HORN CO
○ BRIDGER
PED LODGE
ST. XAVIER
BONES BROS. RANCH
MINNEAPOLIS GREAT FALLS
○ COWLEY-LOVELL-BYRON
○ LOVELL
POWELL ○
SHERIDAN CO.
SHERIDAN 2
UCROSS 17
SHERIDAN 239 (116.1)
DENVER
CODY ○
GREYBULL ○
○ BASIN
BUFFALO ○
GILLETTE MUN
GILLETTE ARPK. ○
CASPER 269
TO WRIGHT
GREAT FALLS SALT LAKE CITY
○ MEETEETSE
ROCK SPRINGS 26

197
90
93
17
146
270
145
142
326
240
60
50
229
247
67
297
118
208
28
298
159
238
153
101
105
55
76
93
96
83
27
AMBER 3
RED 2
3000
6000
7000
9000
10000
12000
13000

RADIO — MONTANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400(BI)(116.1)	SBRAZ-DTXV	(3);116.1
Billings Airport	278 (118.7)	AC(ILS-W):247°,13	(4);118.7,126.18,122.5
BILLINGS LFM	(- - -)	LFM, 247°, 6	Billings
CUSTER (Int.)	215(CU)	MRLWZ;230°, 2	
LEWISTOWN	353(IT)(116.1)	SBRAZ-DTV,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-DTV,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 49°, 25.4	Billings
PARK CITY FM	(. . - - -)	FM, 247°, 21	Billings

WYOMING

SHERIDAN LFM	(- -)	LFM,118°,2.3	Sheridan
SHERIDAN	239 (ZY)(116.1	SBRAZ-DTV;298°,1.6	(4);116.1,122.1
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BILLINGS	110.3	335	253°	IM-	MM- ·-·-(0.6)	OM- --(4.3)
					MMK-	OMK- 251 -···
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +- Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Big Horn Co. (Hardin)	2.3 ESE,riv W	3000	31 S1	(NC) 80 oct.
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW,hwy N	4450	43 L3	
(P) BILLINGS	2.5 NW,RR S	3612	57h R3 L6 S6	80,91,100 oct.
(P) Bones Bros.Ranch (Birney)	2 ESE,crk W	3500	29 S2	No fuel. ROUGH
(P) Chinook	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21 S1	80 oct.
(P) Columbus	1 ESE,RR N	3575	50 S1	80 oct. Poles W,E,NW.
★ Custer Int,25,HL-Twin Cities	2.3 E;hwy N	2868	44 L3	Poles NNW.
Denton	2.2 SSW;hwy S	3850	26 S2	73 oct.
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct. Trees SE.
Forsythe, 30 HL-Twin Cities	3 ENE;hwys S	2722	30 L3 S1	73 oct. Allway fld.
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct.
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct. Poleline E.
→ Harlem	2.3 NNE;RR S	2560	24 S2	80,91 oct. ESE blocked.
(P) Harlowton	2 WNW,riv S	4400	29 S2	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Havre-City-County	4 WSW,lake E	2589	48h S4	80 oct. ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
(P) Jordan	1.8 WNW,rd S	2637	40 S1	80 oct. Road W.
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	49 L3	lgts on req.
(P) LEWISTOWN	2.5 SW,RRNW	4177	100h R1 L5 S4	80,91 oct. No flood lgts. Rnwy
(P) Malta Airpark	0.8 SW,RR N	2270	31 S1	80 oct. Shrubs NW.
★ Mildred Int,38, → HL-Twin Cities	3.4 WSW,rd E	2535	37 L3	
(P) MILES CITY	2.5 NW	2628	56h R1 L5 S6	73,91 oct. Hwy NE.
Poplar (NC)	0.8 N,RR S	1970	28	
(P) Rapelje	1 SE;lk NE	4030	38	
(P) Red Lodge	0.5 WNW	5600	29	ROUGH. Road N.
(P) Roundup	1.9 N;hwy W	3500	37 S2	80 oct. Rough.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W.
(P) Scobey	1 NW,RR S	2458	34 S1	80 oct.
(P) Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80,91 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
(P) Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)	2 W,hwy N	3002	18	

WYOMING

Basin	2.5 NE;riv W	3775	32	Hills S.E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	73 oct.
Cody	2 ESE;hwy S	5084	50 S6	80,91 oct. P-line S.
Cowley-Lovell-Byron (Cowley)	2 NNE,rd NW	4050	32	
(P) Gillette	5.2 NNW	4380	36 S4	80 oct. Hwy E.
(P) Grey Bull	2 NW,hwy S	3900	71 S4	73,91 oct. Hill NW
(P) Powell	8 NNW	5054	42	Storage. P-line N,NE.
(P) SHERIDAN COUNTY (Sheridan)	2 SSW,creek N	3961	61h R1 L5 S6	80,91 oct.

NEW AIRPORTS

Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S4	80 oct. Poles NW.
Moore, (Mont.)	0.5 E;RR NNW	4100	19 S2	80 oct.
Lovell (Wyo)	1 SE;hwy W	3850	26 S1	80 oct.
Meeteetse (Wyo)	3.4 SW;riv N	5950	36	P-line SW
Bridger (Mont)	0.3 W;RR S		30 S2	80 oct S blkd Poles N

RADIO

NORTH DAKOTA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-DTV,260°, 2.3	(4); 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-DTV,167° 2.1	(4); 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT (Port O' Minot)	209 (UI)	BMRLZ-DT,301°, 3.4	(4)

SOUTH DAKOTA

PHILIP (Int.)	206(IL)(116.1)	MHTV	(4);116.1,122.1
PIERRE	347(PX)(116.1)	SBRAZ-DTV;249°, 3.5	(4); 116.1
RAPID CITY	221 (RZ)(116.1)	SBRAZ-DTV	(4);116.1
Rapid City AAB	396 (126.18)+	CA;345°,5.5	(4); 126.18
→ SPEARFISH (Black Hills Airport)			DECOMMISSIONED

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Baker	0.8 SSE;lk N	2990	35 S2	80 oct. Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct. Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
(P) Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.

NORTH DAKOTA

Beach	0.8 NNW	2814	30 S2	73 oct. Poles ENE.
(P) BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S4	73,80,91 oct. No sto.
Bowman	1.5 W,RR N	3000	24 S2	80 oct. P-line N.
Chandler (Williston)	3 W,RR SE	1877	31 S6	80 oct. Bldg N. FEE.
(P) Crosby	1 N,RR SW	1962	32 S2	80 oct.
(P) Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3	

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dunseith (NC)	1.5 S	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct. Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S2	80 oct. Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S1	80 oct. Polelines S.
New England	3NE;hwy W	2666	24 S6	80 oct. P-line W
Parshall	1.2 S;hwy E	1970	22 S1	80 oct. P-line W
(P) Port O' Minot(Minot)	1.6 NNE, hwy W	1723	58h R1 L S6	80,91 oct. Port rnwy lgts. Pwr line SW.
Rhame	1.5 SW,	3150	23 S1	80 oct. P-line S,SE,SW
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct. Poleline N,NW.
★ Washburn Int,4,RK-→ UI	5.1 N,hwy W	1906	40 L3	Pole line W
(P) Watford City	1.2 ENE,hwy S	1975	31 S1	80 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct. Obsts N,E,S
Worth (Dickinson)	1.8 SW,riv NW	2455	28 S6	80 oct. Hangar NW.
Wright (Williston)	2 NNE	1876	32h S6	80,91 oct. Data unver.
Wyman (Mott)	0.8 S;riv ENE	2495	30 S2	80 oct. P-line W,SE.

SOUTH DAKOTA

(P) Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	53 S6	73, 91 oct. (Spearfish)
Geronime (Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct. Poles sur fld
Halley (Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
(P) Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct. Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct. Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct. No sto. Poleline N
PIERRE	3.5 NE,riv SE	1742	69h R1 S1	80,91 oct.
(A) Rapid City AAB(A)	8 NE,RR S	3234	83h R2 L5 S4	73,91,100 oct. JP-1.
Rushmore (Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.

NEW AIRPORTS

Hettinger (N.D.)	1 NNW;RR S	2675	32 S2	80 oct. N,NW blkd. P-line
Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E. ARPT OF NE.
Bottineau, (N.D.)	1 N;RR W	1645	35 S1	80 oct. E,W,N,SE blkd.
Sherwood (N.D.)	2 N;hwy E	1650	26 S2	80 oct. Pole E. Use strips only.
Wright (Williston,N.D	3.2 N	1860	32 S6	80,91 oct. P-line S,W. Use
Harding Co. (Buffalo,S.D)	0.5 E;riv 0.5 S		21 S	Fuel from town strips only.
→ McIntosh (S.D.)	1.3 E;lk SW			ABANDONED.
Universal (Bison,S.D)	0.8 N;bldg 0.5 SE	2600	24 S2	71 oct. Use strips only
Rebenberg (Selby,S.D.)	2 S;hwy W	1790	30 S2	80 oct. Use strips only.
Lemmon (S.D.)	3 SE;hwy 1 N	2518	26 S6	80 oct. Use strips only. P-line SW.
Selfridge (N.D.)	2 SW;RR 2 E	2100		80 oct. in town.

h-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page X I I). NC-(not charted). → New or revised data.

10 BISMARCK

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

105° 104° 103° 102° 101° 100° 49°

25 STATUTE MILES

CROSBY ○ PORTAL ○ SHERWOOD ○

○ PLENTYWOOD

○ MOHALL

BOTTINEAU ○

121 211

TOWNER ○ RUGBY ○

PORT O'MINOT ○

MINOT
209 ●●:—

WRIGHT
CHANDLER O WILLISTON

48° 48°

PARSHALL ○
MILLER ○

50 SIDNEY O WATFORD CITY ○

31 4000 301

FARGO 11

167 100 158

ILO +

WASHBURN ○

5000

BISMARCK
230
(116.1) ●●:—

DICKINSON
308
(116.1) —●●—

GLENDIVE ○

GLEN ULLIN

47° 47°

BEACH ○ GOLVA

WORTH

JUDSON
27

DRISCOLL
30

TO JAMESTOWN

6000 4000

MILES CITY
320 —:—

69 GREEN 2 256 80 250

238 5000 5000 99

153 100

NEW ENGLAND ○

DICKINSON

BISMARCK

4000 AMBER 1

219 HURON

BAKER ○

RHAME ○ BOWMAN ○

347

+ WYMAN

333

46° 46°

MONT. N.D. S.D

+ HETTINGER

○ SELFRIDGE

LEMMON ○ McINTOSH ○

BILLINGS 7

○ HARDING CO.

○ UNIVERSAL

○ MORRIDGE
RIBERA BERG ○

MINNEAPOLIS MONT. 45° 45°
DENVER WYO. S.D

168

165

BLACK HILLS

NEWELL ○

D.A.

PIERRE
347 ●—●
(116.1) —●●—

RUSHMORE

RAPID CITY
221 ●—:
(116.1) —●●

144 6000

GERONIME

HALLEY

RAPID CITY AAB
396 (126.18)

RED 31 69 On request

246 5000

PHILIP
206 ●:
(116.1) —●:

PIERRE

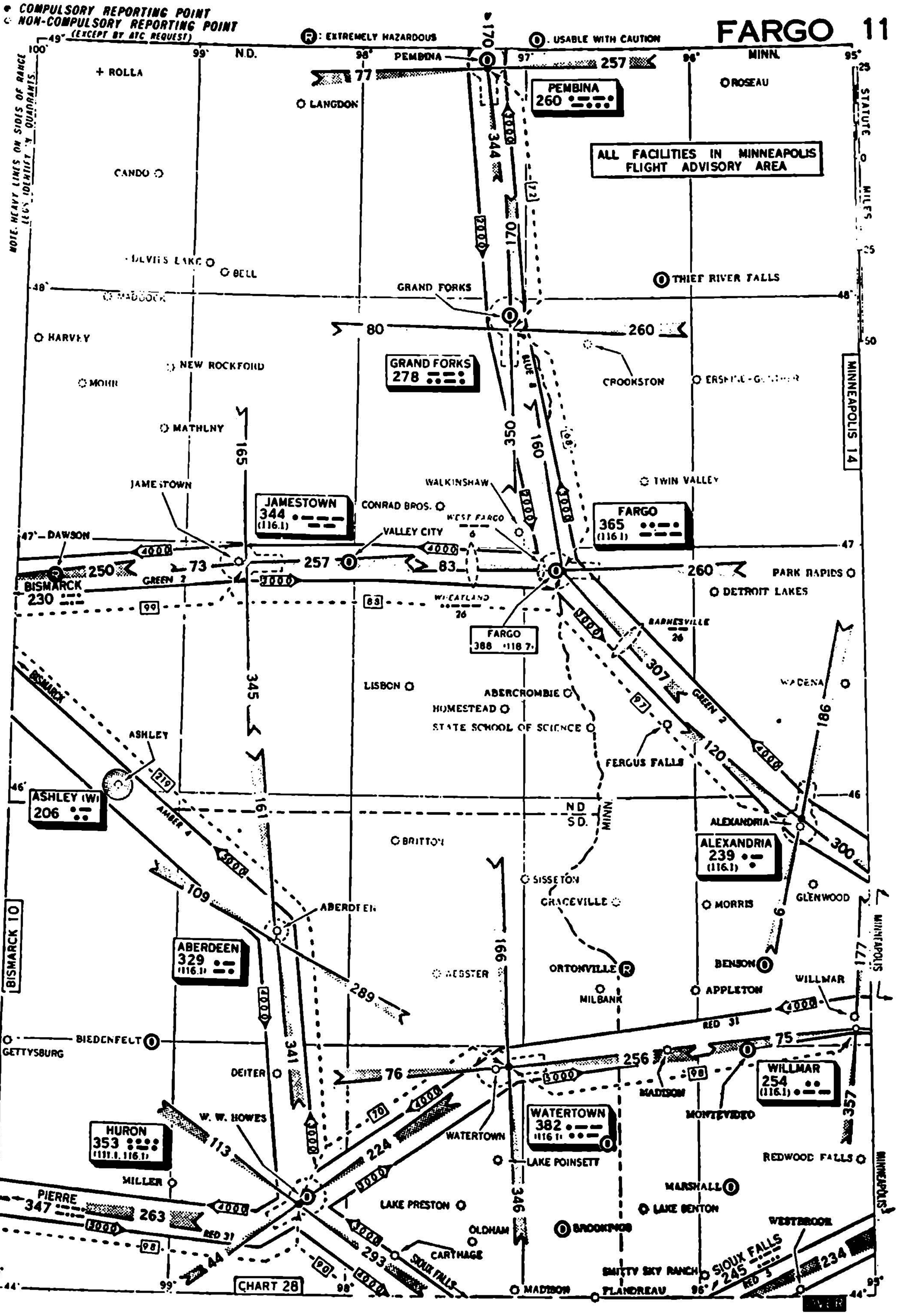
348

HURON

PHILIP ○

105° OVER 132 HIGHLIGHT R 2 10000 66 CHART 27 44° 100

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.


• COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
FARGO 11
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'A' QUADRANTS.
ROLLA
CANDO
DEVILS LAKE
BELL
HARVEY
NEW ROCKFORD
MOHR
MAYVILLE
LANGDON
PEMBINA
ROSEAU
MINN.
STATUTE MILES
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA
THIEF RIVER FALLS
GRAND FORKS
CROOKSTON
MATHLNY
JAMESTOWN
CONRAD BROS.
WALKINSHAW
WEST FARGO
VALLEY CITY
TWIN VALLEY
DAWSON
GREEN 2
WILCATLAND
BISMARCK
PARK RAPIDS
DETROIT LAKES
BARNESVILLE
LISBON
ABERCROMBIE
HOMESTEAD
STATE SCHOOL OF SCIENCE
FERGUS FALLS
WADENA
ASHLEY
AMBER 1
ALEXANDRIA
BRITTON
SISSETON
GRACEVILLE
MORRIS
GLENWOOD
ABERDEEN
ORTONVILLE
MILBANK
APPLETON
WILLMAR
BIEDENFELT
GETTYSBURG
DEITER
RED 31
MADISON
MONTEVIDEO
W. W. HOWES
WATERTOWN
LAKE POINSETT
REDWOOD FALLS
MILLER
LAKE PRESTON
MARSHALL
LAKE BENTON
OLDHAM
BROOKINGS
WESTBROOK
CARTHAGE
SIOUX FALLS
SMITTY SKY RANCH
FLANDREAU
CHART 28
BISMARCK 10
MINNEAPOLIS 14
MINNEAPOLIS 177
ROLLA 77
257
PEMBINA 260
170
344
LANGDON 77
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA
GRAND FORKS 278
80
260
350
160
JAMESTOWN 344 (116.1)
FARGO 365 (116.1)
250
73
257
83
BISMARCK 230
FARGO 388 (118.7)
165
345
161
ASHLEY (W) 206
ABERDEEN 329 (116.1)
109
289
166
307
120
186
300
239 (116.1)
ALEXANDRIA
HURON 353 (131.1, 116.1)
113
224
WATERTOWN 382 (116.1)
263
PIERRE 347
44
293
341
76
346
256
75
WILLMAR 254 (116.1)
357
234
SIOUX FALLS 245

RADIO — MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	**239(AE)(116.1)**	BMLZ-DTV,186°,2	(4); 116.1
BARNESVILLE FM	**(- -)**	FM, 127°, 26	Fargo, N.D.
WILLMAR	**254(IW)(116.1)**	SBMRAZ-DTV,357°,3.5	(4); 116.1
FARGO-HECTOR			
ASHLEY (Int.)	206 (AI)	MHW	(Cont.)
FARGO	365(FO)(116.1)	SBRAZ-DTV	(3); 116.1
Fargo-Hector Arpt	388(118.7)	C, 260°, 0.9	(4);118.7,122.5
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-DTV,253°,1 5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5 5	Fargo.
WHEATLAND FM	(. . - - -)	FM, 260°, 25.5	Fargo.
SOUTH DAKOTA			
ABERDEEN	**329 (AN)(116.1)**	**SBRAZ-DTV.341°,2.5**	(4);116.1,122.1
HURON (W.W.Howes)	**353(HR)(vhf)**	**BMLZ-DTV,4i°,2.7**	(4);116.1,122.1
WATERTOWN	**382 (WU)(116.1)**	**BMRLZ-DTV.256°.2.8**	(4):116.1,122.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105. 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S4	80,91 oct.No sto.Fld lgts on req.
Appleton	1.9 NNE,riv S	1010	34 S6	80 oct.No sto.
Benson	2.4 NW	1031	22 S2	80 oct. P-line S,SE,SW
Crookston	3 NNW,RR N	875	30 S6	80 oct.No sto.Obst
Detroit Lakes	2.7 W,RR N	1392	35 S6	80 oct.No sto. sur fld
Fergus Falls	4.3 W;riv E	1160	20 S6	80 oct.Poleline W
Graceville	0.8 WNW,RR S	1110	18 S1	80 oct.P-line S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct. P-line N,S,W.
(P) Marshall	1.5 W;RR S,E	1167	30 L1 S6	80 oct.P-line S.
Montevideo	2.2 NNE;hwy W	950	25 S1	80,91 oct.P-line NW.
(P) Morris	2.7 WSW,RR N	1134	31 S6	80 oct.P-line NE
Ortonville	1 ESE,hwy S	1090	30 S1	80,91 oct.P-line SE.
Park Rapids	1.7 SSW,RR E	1440	30 S6	80 oct.
Redwood Falls	1.8 NE,riv NE	1025	25 S1	80 oct.Poleline SE,SW.
Thief River Falls	3.6 S, riv W	1110	25 S2	80 oct. Trees NW
Wadena	1 E,RR NW	1300	30 S4	80 oct.No sto.P-line S,NW
Westbrook	1 SE,hwy N	1500	18 S1	80 oct.
Willmar,16,HR-MP	1.5 W,RR E	1130	30 R1 L3 S6	80 oct.P-line E.
NORTH DAKOTA				
Abercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.
NEW AIRPORTS				
Oldham (S.D.)	1 ESE	1668	25	Use strips only.Poles N.
Gettsburg (S.D.)	.5 S;dams 1 SW (S.D)	2082	27 S4	80oct.Use strips.Poles S,W
Lake Poinsett(Arlington)	4 3 ESE;lk,hwy E	1680	22 S2	80oct.Use strips.Poles SE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.
(See page XIII) (NC)-not charted ➔ NEW OR REVISED DATA.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2026	40 L3	
Cando	1.1 SW,RR E	1490	28 S4	80 oct. No sto.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	P-line W.
(P) Devils Lake	2.5 W,hwy S	1450	46h L S6	80,91 oct.Port lgts on req.
(NG)FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73,80,91 oct;100 oct,JP-1 (S4) N.G. Army.
(P) GRAND FORKS	2.6 WNW,RR S,E	837	49h R1 L5 S6	80,91 oct.ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	27 S1	80 oct.
Homestead(Wyndmere)	6.2 N,hwy W	1100	16 S1	80 oct.Trees E,SW.
(P) Jamestown	1.5 NE,hwy S	1493	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	24 S1	80 oct.P-line N,NW.
➔ Lisbon	0.8 SSW	1151	21 S1	73 oct.Polelines N,S.Tank NE.
(P) Matheny (Carrington)	1.3 W,RR N	1580	32 S6	80 oct.No sto.Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct. W,SW,NW
New Rockford	1.5 N, RRW	1533	32 S6	80 oct.No sto.P-lines E,
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct. ARPT. OF ENTRY.
Rolla	1.5 N;hwy E	1850	25 S4	80 oct.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct.Poleline N;pwrline E.
(P) Valley City, 71	1.5 NW,riv NE	1375	38h L1	(HL-Twin Cities)
Walkinshaw (Argusv'l)	4.5 W/NW	895	23 S2	80oct. N blkd.
SOUTH DAKOTA				
(P) Aberdeen	2.9 E,RR N	1299	49h R1 L5 S6	80,91 oct.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct.Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Dieter (Redfield)	6 E;RR S'	1300	25 S1	80 oct.P-line sur fld exc.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct.Poles sur fld E,W
Madison	3.7 ENE,hwyS	1688	26 S2	80 oct.Trees W;pole NW
★ Miller,Int,44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW,RR NE	1300	25	Pole line E.
WATERTOWN	2 NW,RR NE	1736	69h R1 L3 S1	80, 91 oct.
Webster	3 S;hwy W	1848		Poles NE,W,NW.Use ctn
(P) W.W.HOWES(Huron)	1.3 NNW	1287	43h R1 L3 S6	73,80,91 oct.
NEW AIRPORTS				
Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct..Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct Pwr line SE,NNE.
Britton Mun.,(S.D.)	2 NNE;RR W	1350	24 S1	73 oct.Poles W.
Twin Valley Farm	1 W	1050	24 S1	80 oct. (Minn.)
Maddock, (N.D.)	1 N;hwy W	1650	23	Rough.
Roseau (Minn.)	1.6 NW;hwy S	1040	35 S1	80 oct.Pwr line N,W,NW.
Lake Benton, (Minn.)	7 NNW	1759	20 S1	80 oct.
Glenwood, (Minn.)	3.2 E;hwy N	1400	26 S1	80 oct.Allway fld.N,NE,
Smitty Sky Ranch	6.5 NNW	1817	22 S1	73 oct. (Minn.) NW blkd.
Bell (Devils Lake,N.D)	2 SSE;	1478	30 S6	80 oct. (Minn)
Erskine-Gunther	2 ENE;lake S	1150	23 S1	80oct.P-line ENE(Erskine,
Lake Preston (S.D.)		1725	18 S2	80oct.Stacks E.Rough.Poles
Conrad Bros.(Page,N.D)	4 E	1080	15 S2	80 oct.

RADIO

MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DULUTH	221(DH)(116.1)	SBRAZ-DTV 130°,3.9	(4):116.1
HAMEL FM	(- - - -)	FM, 298°, 24	Minneapolis
HASTINGS FM	(- -)	FM, 118°, 10.2	Minneapolis
JORDAN-FM	(- - -)	FM, 238°, 26	Minneapolis
MINNEAPOLIS (Wold Chamberlain Field)	266(MP) (116.1)	SBRAZ-DTV	(3):116.1
WOLD CHAMBERLAIN (Minneapolis)	278(126.18) (118.3) +	AC(ILS):298°3.6	(4);122.5,126,18,118.3

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WOLD CHAMBERLAIN	109.9	333.8	354°	IM-	MM- ·-- (0.76)	OM- -· (4.7)	
					MMK-201 ··	OMK-219 --	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gogebic Co. (Ironwood)	4.5 NNE; RR S	1246	24 S4	80 oct. Soft when wet. Poles S.

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anderson (Cocato)	2.6 ENE,RR S	1020	23 S1	80 oct.Poles S; trees W.
Anoka Flying Service	1.2 SE	896	19 S6	73,91 oct.Poles NE;629' twr SE.
Baudette	0.8 NW;riv N	1080	27 S4	80 oct.No sto. ARPT OF ENTRY
(P) Bemidji	3.8 NW;hwy S	1395	57h S6	80, 91 oct.
Brainerd	1.3 SSE,hwy W	1210	25 S6	80 oct.
(A) Camp Ripley (Little Falls)	7.5 N, riv E	1149	70	Water twrs SE. (A)
(P) Carleton (Stanton)	0.7 NE,RR W	870	30 S6	80 oct.Flares on req.Obst sur fld.
➝ Cedar (Minneapolis)	8.5 S, RR W			ABANDONED
Coleraine	0.8 SSE;lake SE	1390	25 S4	80 oct.
Ely	1.2 E	1425	24	Trees sur fld.Not Maintained.
Faribault	1.6 S,hwy W	1060	20 S1	80 oct. Pwr line W.
(N) Fleming (South St. Paul)	1.8 S;riv NE	822	15h S6	80 oct.No sto.Flares on prior req. Rdo rprs.
➝ Flying Cloud (Minneapolis)	13.8 SW, riv S	900	30 L1 S6	80 oct. P-line S,NE.
Gervais (Tofte)	1.2 NE,hwy S	800	28 S5	80 oct.
Grand Rapids	1.5 SSE,lake NE	1293	25 S6	80 oct.
Hector	0.7 S, RR N	1100	25 S1	80 oct.Poleline W, NW, SW.
Heywood Gull Lake (Nisswa)	1.7 SSW,lake S	1200	18 S2	80,91 oct.
(P) Hibbing	4.5 SE	1367	40h L4 S6	80,91 oct.Lgts on req.
Kenyon	0.8 S;RR E,N	1240	20 S1	80 oct.Poleline N, NE.
(P) Lake City (Frontenac)	0.5 SE,RR N	775	44 L3 S6	80 oct.
Le Sueur	1.1 S,riv W	900	24 S4	80 oct.No sto.Rolling.
Litchfield	1.2 NE;hwy N,W	1140	24 S2	80 oct.
Littlefork	1.8 WNW,riv E	1153	19 S2	80 oct. Poleline S.
Mankato	1.7 SE,hwy W	996	29 L1 S6	80 oct,Flare pots on req.P-line NE,SE.
(P) Monticello	See Hincks Arpt under "New Airports" - named changed.			
(P) New Ulm	1.8 W; RR N	1000	32 S1	80 oct. Poleline N. Hwy N.
Northport (White Bear Lake)	3.2 E;lake W	1000	22 S6	80,91 oct.
Osseo	2 NE	875	30	Data not verified.
(P) Otis Lodge (Grand Rapids)	7.5 SW,lake S	1293	26 L1 S4	80 oct. Seaplane base S.
Pleasant Corners (Dodge Center)	2 ESE;RR N,W	1050	13 S1	80 oct.Poles S, W blocked.
Princeton	1 NNW;riv N	976	21 S4	80 oct.Trees N,W.Use strips only.
Robbinsdale	0.8 NW,RR E	879	14 S6	80 oct. Obsts N, S.
Springfield	0.5 W;hwy N	930	22 S1	80oct.P-line ENE,E,ESE,WNW.
(NG) St. Paul	1.5 SE,riv E,N	704	55h L4 S6	80,91 oct. 100 oct.N.G.
St. Peter	2.4 NNW,riv E	900	20 S4	80 oct.No sto.P-line S
Sells Flying Field (Mayer)	0.4 SSE	750	12 S6	(NC) 80 oct.Hill N end.Ctn.
Taylor Falls	1.5 W;riv E	950	23 S6	80 oct.
University of Minnesota (New Brighton)	3.8 N, hwy W	909	34 S6	80 oct. Trees E. P-lines W,NW,SW,N.
Victory (Minneapolis)	9 N, riv E	860	39 S6	80,91 oct.P-line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➝ NEW OR REVISED DATA.

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Virginia	2 WSW,bet RRs	1429	35 S4	80,91 oct.P-line N.
Waseca	0.5 S,RR NW	1150	39 S2	80 oct. Poleline N.
(P) Whitney Memorial (St. Cloud)	1.5 NNW;riv E,N	1034	35 L3 S6	73,80 oct.
(P) WILLIAMSON-JOHNSON (Duluth)	See Duluth under "New Airports" - name changed.			
Winona	4.5 WNW	670	24 L3 S6	80,91 oct. Hwy NW.
(A,N) WOLD CHAMBERLAIN (Minneapolis)	6.5 SSE,hwy S	834	59h R3 L4 S6	80-100 oct. JP-1. Rdo rec required. N blkd. Ltd maint facs for mil acft.
➝ Wyman (Aitkin)	1.3 N,riv S			ABANDONED Open to all acft.

WISCONSIN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Amery	3.4 NNW;lk SW	1100	26 S6	80,91 oct.SE blocked.
Arrowhead (Rice Lake)	4 SSE;lake S	1150	24 S4	80 oct. Use landing strips only.
Ashland	2.5 SSE,RR E	700	19 S2	80 oct. Use strips only.
Boyceville	0.5 E;RR N	948	21 S2	80 oct. P-line W,N,NE.Use strips only.
Boyd's Mason Lake (Fifield) (NC)	13 WSW,lake NW	1200	30 S1	80 oct. N,E,W blkd.
Chetek	1.5 SE,lake E	1050	22 S2	80 oct.P-line S,SE.Use strips only.
Chippewa Falls	2 S,RR NW	910	26 S6	80 oct.P-line SW,W. NW,S blkd.
Colby-Abbotsford (Colby)	1.2 NNW,RR E	1400	26 S4	80 oct. P-line NNE.
Dallas	0.7 SSE,RR W	1100	26 S2	80 oct.S blkd.
Eau Claire	1.5 SSE,hwy N.	884	31 S6	80,91 oct. Obsts sur fld.
(P) Eau Claire Municipal	3.5 NNE,riv NW	885	43h	Trees SW.
(P) Hayward	2 NE,RR NW	1200	30 S4	80,91 oct.
Hudson Flying Service	3.8 E,hwy N,W	850	18 S1	80 oct.P-line NE,SW.Use with caution.
Jackson Co. (Black River Falls)	2 E, RR W	855	28 S6	80 oct. P-line W,NW,S.W.
Marshfield	2.3 SSW,RR NE	1253	26 S6	80 oct. Flare pots in emerg.
Neilsville Memorial	5.7 W,hwy SW	1000	24 S1	80 oct. Trees around fld.
(P) Phillips	1.2 N,riv S	1140	30	Poleline W,SW
Pines (Bloomer)	0.9 E,RR W	1050	16 S2	80 oct. Poles S, W. Rough.
Price Lake (Phillips)	12.5 WNW	1140	22 S1	80,91 oct.Trees on all but lake appch.
Rice Lake	3.5 NNE,RR W	1150	37 S4	80 oct. Poles sur fld.
(P) Richard Bong (Superior)	2.3 S;RR E	674	33 S6	80 oct.Pole line SE. 353' twr NW.
Rusk County (Ladysmith)	2.8 SE,RR SE	1150	25 S2	80 oct. Use strips only.
(P) Schlosser (Durand)	2.4 NNW,riv W	800	32 S2	80 oct. P-line NE.
Spooner	5 N	1072	20 S1	80 oct.Data not verified.
Taylor County (Medford)	2 SE;riv NW	1400	21 L S1	80 oct.Pole line N; Flares on req.
➝ Veterans (Menomonie)	0.4 W,riv W			ABANDONED.

NEW AIRPORTS

Owatonna (Minn.)	2.9 NW;hwy E	1143	23 S6	80 oct.
(P) INTERNATIONAL FALLS, Thorp (Wis) (Minn.)	2.2 S 1.4 SSW	1175 1225	30h S4 20 S1	80 oct.No sto.
Aitken Mun. (Minn.)	1.7 ENE;riv W	1208	26 S1	80 oct.
Bemidji-Port-O-Wilds (Turtle River, Minn.)	1.2 NW;lake W	1350	23 S1	80 oct.P-line NE.Use strips only.
Red Wing (Minn)	2.5 NE;hwy N,W	790	21 S1	80 oct. Strip rolling.
Sky Harbor Lodge (Pine River, Minn)	1 NE;lake NW	1340	26 S1	80 oct. P-line N,S,W. Trees E.
Staples (Minn)	1.5 NNW	1298	32 S1	80 oct. Use strips only.
Grantsburg (Wisc)	1.5 NNE;riv S	870	13 S2	80 oct.Trees NE,SW.Use strips.
Rainbow (Winter, Wisc)	4.2 WSW;riv S	1265	19 S1	80 oct. W approach hazardous.
Miller (Garrison, Minn)	1.4 N	1264	22 S1	80 oct.
Barron, (Wisc.)	1.1 ENE;riv W	966	26 S2	80 oct.E blkd.P-line W.
Cumberland, (Wisc.)	3 SE;lake NE		26 S4	80 oct.No sto.N,S blkd.
Hultquist's Sky Ranch (Minong, Wisc.)	1.9 W;lake W	1180	13 S4	80,91 oct.No sto.Trees S,N.
Bleick (Fairfax, Minn)	2.5 N	1050	18 S1	80 oct.P-line E.
Hutchinson, (Minn)	2.5 SSE	1052	28 S1	80 oct.
Crosby (Minn)	0.5 NE	1266	25 S1	80 oct.P-line SSE.
Todd (Brainerd, Minn)	1.5 NW;riv SE	1250	26 S1	80 oct.
Kentoby (Annandale, Minn)	1 E	1066	24 S2	80 oct.
Pine Beach (Brainerd, Minn)	8.8 WNW;lake N	1250	21 S1	80 oct.P-line NW,W,SE,E.
Union (Iron River, Wisc)	2.2 WNW;RR .5 S	1100	19 S1	80,91 oct.E blkd.Use strips only.
Spencer (Wisc.)	0.5 WSW;hwy N		27 S2	80 oct.Fence S,SW.Data unver.
(P) Hincks (Monticello, Minn)	1.3 NNE;riv SSW		44 S6	80 oct.P-lines S,SW.
➝ Thorp City (Wis)	0.6 SSE;RR N	1225	22 S1	80 oct.Hwy N
➝ Shell Lake (Wis)	1.2 SE;RR W	1214	29 S1	80 oct.Trees N,NE,S.Lake N,E,S.
➝ Owen (Wis)	0.7 NE;RR S	1270	19 S1	80 oct.P-line N,NE,SW,W,NW.Hwy S.
(P) DULUTH (Minn)	6.5 NNW;hwy S	1428	57h R1 S6	80,91 oct.Closed ngts,except air lines ARPT OF ENTRY
➝ Spooner (Wisc.)	5 N;lake NW	1072	26 S1	80 oct.Trees S.Use strips only.

14 MINNEAPOLIS

Ⓡ: EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

25 0 25 STATUTE MILES

95° 94° 93° 92° 91° 90°

49°

48°

47°

46°

45°

BAUDETTE Ⓤ
INTERNATIONAL FALLS Ⓤ
CAN
MINN.
Ⓤ LITTLE FORK
ELY
BEMIDJI-PORT-O-WILDS
BEMIDJI
Ⓤ VIRGINIA
HIBBING
Ⓤ COLERAINE
GRAND RAPIDS
OTIS LODGE
GERVAIS
FORT WILLIAMS
193
DULUTH
SKY HARBOR LODGE
PINE BEACH
HEYWOOD
CROSBY
Ⓤ AITKIN MUN
STAPLES
TODD
BRAINERD
MILLER
CAMP RIPLEY
FARGO 11
89
269
RICHARD BONG
UNION
ASHLAND
WISC.
MICH.
GOGEBIC CO.
WISC.
MINN.
141
13
HULTQUIST'S
HAYWARD
SPOONER
RAINBOW
BOYD'S
PRICE LAKE
PHILLIPS
SHELL LAKE
ARROWHEAD
GRANTSBURG
192
SAULT STE. MARIE 15
ALEXANDRIA
239
WHITNEY MEM.
Ⓤ PRINCETON
CUMBERLAND
RICE LAKE
BARRON
RUSK CO.
TAYLOR FALLS
AMERY
CHETEK
DALLAS
131
300
GREEN 1
LITCHFIELD
98
KENTOBY
HINCKS
ANOKA
VICTORY
OSSEO
U. OF MINN.
ANDERSON
RED 31
118
264
HAMEL
24
WILLMAR
254
ROBBINSDALE
NORTHPORT
HUDSON
ST. PAUL
FLEMING
PINES
BOYCEVILLE
TAYLOR CO.
THORPE CITY
OWEN
THORPE
COLBY-ABBOTSFORD
CHIPPEWA FALLS
EAU CLAIRE MUN.
EAU CLAIRE Ⓤ
SCHLOSSER
MARSHFIELD
NEILLSVILLE
HUTCHINSON
RASTINGS
10
RED WING
LAKE CITY
HECTOR
WOLD-CHAMBERLAIN
278 (118.3, 126.1)
BLEICK
SIOUX FALLS
245
234
58
JORDAN
26
FLYING CLOUD
30
298
LE SUEUR
ST. PETER
CARLETON
RED WING
ROCHESTER
236
170
JACKSON CO.
NEW ULM
FARIBAULT Ⓤ
KENYON Ⓤ
ELUE 9
39
80
120
WINONA
LA CROSSE
371
236
201
SPRINGFIELD
MANKATO Ⓤ
WASECA
OWATONNA
RED 36
WISC 2
D A

DULUTH
221
(116.1)

MINNEAPOLIS
266
(116.1)

OVER

CHART 29

SAULT STE. MARIE 15

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

47°21'
90°
89°
88°
87°
86°
85°
84°
82°50'
47°
46°
45°
44°
43°45'
80
25 STATUTE MILES 0 25

MINNEAPOLIS 14

CHICAGO

CHICAGO DETROIT

CAN MICH

MICH WIS

107 197 287 17 111 291 201 21 104 204 24 297 139 214 34 319

HOUGHTON CO
HOUGHTON SAND'S
BAROGA
MUZZY'S
MARQUETTE CO
GRAND MARAIS (W) 341
HOUGHTON (W) 227
SAULT STE. MARIE 356 (116.1)
SAULT STE MARIE
RACO AAF
LUCE CO
KINROSS AAF
BOULDER JCT.
MANITOWISH WATERS
KING'S GATEWAY
DR. A. L. HAIGHT
BLANEY PARK
EAGLE RIVER
THREE LAKES
RHINELANDER
FORD
NORTHLAND
ESCANABA
MACKINAC CO
PELLSTON 209
EMMET CO
PETOSKEY-HARBOR SPRINGS
CALVIN CAMPBELL
PRESQUE ISLE CO
PET.O.SE GA
CHARLEVOIX
MERRILL
ANTIGO
MENOMINEE CO
E. JORDON
HILLMAN
SCHEIDLER
PHELPS COLLINS
ATLANTA
ALEXANDER
WISCONSIN VALLEY
OCONTO FALLS
OCONTO
CHERRYLAND
BELLAIRE
TRAVERSE CITY 365 (116.1)
WATERS
SHAWANO
KUBIAK'S
TRAVERSE CITY
FRANKFORT
GRAYLING
MASONS
MICH DA
STEVENS POINT
CLINTONVILLE
BROWN CO
NICOLET
CADILLAC
TIMBERS SKY CAMP
OSCODA AAF
NEPCO TRI-CITY
WAUPACA
OUTAGAMIE CO
ST HELEN
HOUGHTON LAKE
IOSCO CO.
MANISTEE-BLACKER
VALLEY AWYS
COLOMA
GINNOW
MANITOWOC
CADILLAC 269 On request
LA PORTE
GLADWIN 257 On request
BERLIN
WINNEBAGO CO.
MASON CO
EVART
GLADWIN
GREEN LAKE
SKY VILLAGE
CHAPLIN
FOND DU LAC
KOHLER
DOHERTY
COLBECK
PADAYE

MILWAUKEE 31 | DETROIT 33

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct.Lgts prior req.
Alger Co. (Munising,Mich)(NC)	4 SSE;hwy E	850	26	Twr N;woods all sides.
Amasa (Mich) (NC)	4 NW	1560	14	Not maintained.
(P)Antigo (Wis)	2 ENE;hwy N	1483	33 S4	80,91 oct.Flare pots avail.
Arbor-Vitae (Woodruff,Wis)(NC)	2.6 NW	1600	25 S2	80,91 oct.P-line N;trees E, W.
Atlanta (Mich)	0.8 ESE	875	22 S2	80 oct.Trees N;NW,W.
Au Gres (Mich) (NC)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW.N.W blkd.
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct. Trees NE.
Baraga (Pelkie, Mich)	3.5 SE;hwy N	805	21 S2	80 oct.P-line N;trees E,S, NW,SE blkd. (NC)
(P) Beaver Island (St.James,Mich)	4.2 SSW	620	35	W.
(P) Bellaire (Mich)	1 NE;RR W,S	614	24 S1	80 oct.P-line E,SE.
Berlin (Wis)	2.9 W;hwy S	780	20 S1	80 oct.SE blkd.P-line SW.
Big Bear (Topaz, Mich)	2.2 S	1295	25 S2	80 oct. P-line S;trees E.
Big Lake (Baraga, Mich) (NC)	7.3 SW;rd W	1100	20	Trees all sides.Emerg.use
Blaney Park (Mich)	0.5 NW;lk N	850	18 S1	80 oct. P-line E.
Boulder Junction (Wis)	1.5 NW		38 S1	80,91 oct. Data unver.
Brevort (Mich)	1.2 NW;hwy S	620	23	Emerg. use. Trees E,W.
Brown Co. (Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct. E,ESE,SE blkd.
CADILLAC H Fac. (Int.)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac, 23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
Calbeck (Beaverton, Mich)	0.8 SW;RR W	728	27 S2	80 oct.Poles SE;trees E,NW
Campbell Mun. (Indian River)	0.8 SE;RR,hwy W	602	20 S1	80 oct.P-line N.(Mich)
Chaplin Arpk (Plymouth, Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
Charlevoix (Mich)	0.8 SW;lk NW	642	30 S2	80 oct. P-lines S,W,NW.
(P)Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P)Clintonville (Wisc)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blkd.Pwr line NE,SW,W.
Coloma (Wis)	3.0 NW;hwy E	1065	26 S2	80 oct. N,S blkd.
D.A.R. (Rexton, Mich) (NC)	1.9 WSW;RR N	900	22	Poles N.
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-ctn.
Eagle River (Wis) (NC)	1.3 NW;riv NW	1675	26 S1	80,91 oct. P-line E.
East Jordan (Mich)	1.9 SSE;riv W	640	26 S1	80 oct.P-line E,N;trees W
(P)Emmet Co. (Pellston, Mich)	0.6 NW;RR E	707	54h L3 S2	80,91 oct.Lgts on req.P-line N,E
Escanaba (Mich)	2 SSW	594	26 S6	80,91 oct.Trees E
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S.
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct.P-line N,NE,NW.
Ford (Iron Mountain, Mich)	2.5 W;riv W	1140	23 S6	80,91,100 oct. SE blkd.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Rough.
GLADWIN H Fac. (Mich)	257 (GU)		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND MARAIS Range (Mich)	341(IG)		RL-W	Oper State of Mich.
Green Lake (Wis)	4 W;hwy S	990	22 S1	80 oct. Data unver.
(P)Grayling (Mich)	1.3 NW;RR W	1152	50h	
(P)Haight (Crystal Falls, Mich)	1.3 ENE;lk E	1390	34 L1 S4	80,91 oct.Bldg SW,WNW.
(P)Harbor Beach (Harbor Beach, Mich)	2.5 W;rd S	670	20 L S2	80 oct. P-line NE,SE. Flood lgts prior req.
Harrison (Mich) (NC)	2.3 NNW;hwy E	1100	26 S2	80 oct S blkd.Ctn-rough.
Hillman (Mich)	2.8 NW	995	23 S1	80 oct.Woods all sides.
HOUGHTON Range (Mich)	227 (CAM)		RL-W	Oper. State of Mich.
Houghton Co. (Calumet,Mich)	2 SE;RR NE	1200	26 S4	80 oct.Twrs,poles W. NW
Houghton Lake (Houghton Hgts, Mich)	1 W;lake NNE	1150	27 S2	80 oct.Pole NW; blkd. trees W,SSE,E.Rdo twr W
Houghton Sands (Mich)	2 ESE;RR SW	605	26 S3	80 oct. N lgtd.
Ishpeming-Dexter (Mich)(NC)	7 W;RR N,S	1570	25	Poles N.
Kalkaska (Mich) (NC)	0.5 WNW;RR E	1020	26	
King's Gateway (Land O'Lakes, Wis)	0.5 SSE:RR W	1736	44 S2	80,91,100 oct.P-line SE,SW. NW. Twr NE.
(A)Kinross (Mich)(A)	2.5 SE	780	55h	TMP INACT.NO FACS.
(P)Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct.SE blkd.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Data unver.
La Porte (West Branch, Mich)	6 SE;RR W	890	26 S2	80 oct.P-line SW.Rough off
Lost Creek Sky Ranch (Red Oak)	4 SSE;hwy S	1090	26 S1	80 oct. (Mich) strips.
Luce Co. (Newberry, Mich)	4.1 SE;hwy S	872	28 S1	80 oct.NW blkd.Poles SE.
Mackinac Co. (St.Ignace, Mich)	2 NNW;hwy E	600	26 S2	80, 91 oct.
Mackinaw City (Mich) (NC)	5 S;RR W	700	22	
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct.P-line W,SW,SSE.
Marenisco (Mich) (NC)	1.6 E;hwy N	1551	20	ENE,WSW blkd.Bndry lgts inop.
Marquette Co. (Mich)	7.9 W;hwy S	1412	27 S2	80 oct.
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
(P)Masons (Grayling, Mich)	12 ESE;riv 2 N	1000	40 S1	91 oct.
Menominee Co. (Mich)	5 NNE;bay E	590	27 S1	80 oct. Trees sur fld.
Merrill (Wis)	1.2 NNW;RR E	1285	22 L1 S2	80 oct.Use strips only.
Mio (Mich) (NC)	1.6 N;hwy W	1050	26	Emerg. use only.
Muzzy's (L'Anse, Mich)	2.3 SSE;RR E	1008	24 S1	80 oct.Poles ENE,ESE;
Nepco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts trees WNW on req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct.P-line E,W.Data unv.
(P)Northern Lakes (Manitowish,Wis)	6.8 E;hwy NE	1600	28 S4	80 oct. Trees E,W.
Northland (Norway, Mich)	1.8 ESE;RR N	1060	33 S3	80,100 oct.P-line N.
→Norway Township (Loretto,Mich)	See Loretto Arpt under "New Facilities" - Name Changed			
O'Conta (Wis)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver
Oconto Falls (Wis)	2.7 ENE;RR S	600	20 S2	80 oct. P-line N.
Onaway (Mich) (NC)	0.6 NNE;RR S	770	21	P-line SW;trees SE.
(A)Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Otsego Co. (Gaylord,Mich)(NC)	1 SW;lk 1.5 S	1384	40 S1	P-line E,NE.Trees N.
Outagamie Co.(Appleton, Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
PELLSTON H Fac. (Mich)	209 (PJ)		MHT	(4); (6-22)(Emmet Co.)
Pet-O-Se-Ga (Wildwood,Mich)	1.8 NW;lk NW	620	20 S2	80 oct.
Petoskey-Harbor Spgs.(Petoskey)	4.5 NE;bay W	620	24 S2	80 oct.P-line E.Trees NW.
Phelps Collins(Alpena,Mich)	6.5 WNW;riv adj	685	50h L5 S4	80 oct.No bcn,SE (Mich) bndry lgts.Lgts on req.
Presque Isle (Rogers City,Mich)	0.7 SSE;hwy E	658	26 S2	80 oct.
Prickett-Grooms (Sidnaw,Mich)	0.5 N;RR S	1300	18 S1	80 oct.Use ctn Bldgs SE,
(A) Raco AAF (Mich) (A)	4.5 WSW;RR N	910	55h	TMP INACT.NO FACS SW.
(P) Rhinelander (Wis)	2 W;riv 1 SE	1598	37 S4	80,91 oct.Trees NW.
Roscommon (Mich) (NC)	2.5 SE;RR NE	1100	42	Trees all appchs.Emerg.
Roscommon Co.(Prudenville,Mich)	4.5 N;riv E	1150	26 S1	80 oct.Trees sur fld.use.
St. Helens (Mich) (NC)	0.9 SE;RR N	1153	26	Tree all appchs.Emerg.use
SAULT STE.MARIE Range (Mich)	356(VC)(116.1)	317°,2.2	SBMRAZ-DTV	(4); 116.1
(P)Sault Ste. Marie (Mich)	1 SSW;riv N	706	36 L3 S4	80,91 oct.Fld lgts on req.P-lines E,S.ARPT OF ENTRY
Scheidler (Alpena, Mich)	6.3 N;hwy NW	590	22 S4	80 oct P-line NE,N,SW.
(P)Schoolcraft Co.(Manistique,Mich)	3.3 ENE;lk S	678	31	Appchs 5:1 (NC)
Shawano (Wis)	2.3 ENE;lk NE	813	40 L S6	80,91 oct.Poles SW.Lgts prior req.Rnwy data unv.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct.Data unver.
Steuben (Manistique,Mich)(NC)	20 NW	850	18	Woods all sides.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
Three Lakes (Wis)	0.5 S	1664	14 S1	Fuel Rough.Obsts sur fld.
Timbers Sky Camp(So.Branch, Tomahawk (Wis) (NC) Mich)	0.2 NE;riv 4 E 0.5 WNW;riv N	950 1450	22 S1 15	80 oct.P-line NW.Trees NE Obsts sur fld.Emerg.use.
TRAVERSE CITY Range (Mich)	365(TG)(116.1)	319°,2.2	SBMRAZ-DTV	(4); 116.1
(P) Traverse City (Mich)	2.1 SE;RR NE	624	52h L5 S6	80, 100 oct.
Valley Airways (Neenah,Wis)	3.9 SW;RR E	760	21 S4	80 oct.P-line E;trees S.
Washington Island (Wis) (NC)		600	24	0.6 NNE of Detroit Harbor
Waters (Mich)	0.6 N;hwy W	1225	25 S1	80 oct.P-line NW.Trees sur
Watersmeet (Mich) (NC)	1.2 NNE;RR SSE	1581	22	Poles SE.Emerg.use fld.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
(P)Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.P-line NE,N,W. Rnwy data unver.
Wisconsin Valley (Rothchild,Wis)	2 S;RR,hwy W	1180	30 S4	80 oct.P-line N, NW.
NEW FACILITIES				
→Loretto (Mich) NC	2.4 S;lake N	860	21	Trees on side strips.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.68, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Andover (Me) (NC)	2.5 S;hwy E	675	17 S3	1125' hill, pole E.
Aroostook Fly.Svc.(Ft.Fairfield)	1.7 E;riv W	450	13 S1	80 oct. (Me)
(P) [Auburn-Lewiston] (Auburn,Me)	4.5 SW;RR W	290	45h L5 S6	80,91 oct.P-line E,SE.Fld lgts on req.
AUGUSTA Range (Me)	221(AW)(116.1)	81°,2.0	BMRLZ-DTV	(4); 116.1
[Augusta] (Me)	1.5 WNW;hwy S	354	34h L5 S6	80,91 oct.Fld lgts on req.
Austin (Swanton, Vt)	1.7 NE;RR W	235	21 L S6	80,91 oct.Port rnwy lgts prior req.ARPT OF ENTRY
Austin (Washington, Me)	2.6 W;hwy N	280	13 S1	80 oct.
BANGOR Range (Dow) (Me)	239(BB)(116.1)	172°,2.1	SBRAZ-DTV	(4); 116.1
Bar Harbor (Me)	9 NW;hwy W	87	45h L3 S6	80 oct. P-line NNE.
(P) [Barre-Montpelier] (Barre,Vt)	3 W;pond SW	1149	41h L5 S6	80, 91 oct.
(P) Belfast (Me)	1 SW;hwy E	160	40h S6	80 oct.
(P) Berlin (N.H.)	7.5 N;riv W	1140	52h S4	80, 91 oct.
Bethel (Me)	1.6 NW;RR E	660	16 S2	80 oct. Trees W.
Billings Arpk(Ellsworth, Me)	4 SSE;hwy S,E	85	18 S1	80 oct. Trees NW,SE.
Bishop (La Grange, Me)	0.8 N	360	10 S4	80 oct. SSW,WSW blkd.
Bradley (Watertown, N.Y.)(NC)	2.2 N;RR E	435	25 S6	80 oct.P-line W,SW S blkd
Bristol (Vt)	0.7 W;riv SE	570	21 L S6	80 oct.Port rnwy lgts.ENE
Brown (St.Johnsbury, Vt)	5.2 N;RR E	807	21 S6	80 oct.Obsts sur fld. blkd.
BURLINGTON Range (Vt)	323(JG)(116.1)	151°,2.8	SBRAZ-DTV	(3); 116.1
BURLINGTON Tower (Vt) (NG) [Burlington] (Vt)	278 (126.18) 3 E;riv NE	334	C 44h L5 S6	(4); 122.5,126.18 80,91 oct.ARPT OF ENTRY
Caribou (Me)	1 N;riv SE	623	35h S6	80 oct.Bldg E.ARPT OF EN-
Central (Lewiston, Me)	1 NE	220	15 S1	80 oct. TRY.
Champlain (Colchester, Vt)	6.3 W;RR W	120	17 S4	80 oct.P-line S;swamp W.
Community Arpk (Mapleton,Me)	4.3 NE	630	8 S1	80 oct. Lgt planes only
Damon (Pottsdam, N.Y.)	1.5 E;hwy S	460	20 S1	80 oct.P-line N.Strps rough
Dean Memorial (Haverhill,N.H.)	4.1 NE;RR W	570	21 S1	80 oct.Trees at ends NNW,ESE,SSE.
Deblois Flight Strip (Me)	2 SE;riv W,N	219	40h	CLOSED.
(P) Dexter (Me)	3 ESE	485	30h S4	80 oct.
Dingley (Auburn, Me)	2.5 NW;lk N	320	18	P-line SW.
Doane's (Brewer, Me)	1.6 S	100	17 S6	80 oct.P-line NNW.Trees E
DOW Tower (Bangor, Me) (A) [Dow] (Bangor, Me) (A)	278 (126.18)+ 2 W; RR S	160	CA (ILS-W) 70h (L6) S4	(3); 126.18, 118.7 100 oct.
Eastport (Me)	1.5 WNW	70	29h S1	80 oct. P-line SW.
Errol (N.H.)	1.2 WNW	1245	18 S4	P-line NW. 80 oct.
Fairmont (E.Montpelier, Vt)	0.8 SSE;RR W	745	19 S4	80 oct.
Farmington Arpk (Me)	4.5 N;rd W	430	17 S6	80 oct.
Fernald (Winterport, Me)	3 WNW;hwy S	182	40h L3 S6	80 oct.Lgts prior req.
Fernald's (Benton, Me)	0.6 WNW;hwy S	120	18 S6	80 oct. WNW blkd.
Ford (Skowhegan, Me)	1 NNW	230	15	Emerg. use only.
Fort Kent (Me)	0.8 N;riv W	600	10	Lgt planes only
Franconia Arpk (N.H.)	2 SE		20	Data unver.
Fryeburg Arpk (Me)	1.3 E;RR S	400	26 S4	80,91 oct.P-line SSW;trees
Greenlaw (Auburn, Me)	1.8 W;hwy S	238	16 S6	80 oct. Bldg S. NW.
(P) Greenville (Me)	2 ENE	1750	30h L3 S6	80 oct.Lgts prior req.
Green's (Island Falls, Me)	2.3 SSW	710	13 S1	80 oct. P-line,trees S,N.
HOULTON Range (Me)	272(JH)(116.1)	195°,3.1	BMRLZ-DTV	(4); 116.1.Manned 7-15
(P) [Houlton] (Me)	2.5 E;hwy N	493	57h L5 S6	80 oct. ESE blkd.
Jackman (Me)	0.2 E;riv N	1170	22 S1	80 oct. E blkd.Trees W.
Keeseville (N.Y.)	1.4 S;riv WNW	490	20	Pole W.
Lake Placid (N.Y.)	2 SE;RR NW	1750	21 S1	80 oct.
Lemington-Colbrook (Vt)	3.8 SSW;hwy E	1030	18 S4	80 oct.
Lewis (Littleton, N.H.)	2.5 E;RR S	900	22	80 oct.
Livermore Falls (Me)	1.3 SE;riv W	300	10	Lgt planes only.
Maheux (Minot, Me)	3.5 NNW	720	21 S6	80 oct.
(P) Malone-Dufort (N.Y.)	2 W; RR N	790	40h S1	80 oct.ARPT OF ENTRY.
Marcy (Keene, N.Y.) (NC)	2.5 S;hwy E	1000	18	Mtn N, S.
Mars Hill (Me)	1.2 NNW	435	17 S4	80 oct.
MASSENA Range (N.Y.)	108.7 (ME)		VARW	
(P) [Massena] (N.Y.)	2.2 E;riv SE	200	40h L4 S6	80 oct.Trees WSW,NNE. ARPT OF ENTRY.
MILLINOCKET Range (Me)	344(MT)(116.1)	292°,1.6	SBRAZ-DTV	(4); 116.1
(P) Millinocket (Me)	0.5 SE	404	51h L5 S4	80,91 oct. Lgts prior req.
MONTPELIER Range (Vt)	257 (UV)	230°,2.8	MRLWZ	(Barre-Montpelier)
Moscone's(Mallawamkeag, Me)	4 NNW;riv W	210	15	
Nelson's (Bridgewater, Me)	0.7 NW	450	8 S4	80 oct.Lgt planes only.
Newport (Me)	1.5 ESE;hwy N	280	21	NW blkd.
Newport (Vt)	3 SSW;RR E	930	40h L2 S1	Ltd 80 oct.All lgts on req.
Norridgewock (Me)	3.7 W;riv 1 W	270	40h	
Northland (Presque Isle, Me)	5.5 N;hwy E	685	15 S1	80 oct.
Norway (Me)	1 N; RR S	387	14 S5	80 oct.P-line SE.Trees E.
(P) Ogdensburg (N.Y.)	1.5 SE;RR W	285	30 S6	80,91 oct.Obsts sur fld. AIRPORT OF ENTRY.
Old Town (Me)	1.8 NNW;riv NE	109	40h L3 S6	80,91 oct.No bndry lgts.
(P) Pittsfield (Me)	0.8 SSE	190	40h S6	80 oct.
Pittston (Me)	1.8 ENE;hwy S	140	11 S2	80 oct.Trees ESE;hill WNW
(P) [Plattsburg, mun.] (N.Y.)	3.4 WSW;riv SW	375	50h L5 S1	80,91 oct.Fld lgts on req.
Point Hill (St. Albans, Vt)	3.5 W;bay E	155	14 S4	80 oct. Wires ESE.
Prairie Arpk (Brownville Jct,Me)	5 N; road SW	422	19 S4	80,91 oct. Wires SE.
PRESQUE ISLE Range (Me)	388 (ZQ)	189°, 3.4	SBRAZ-DT	(4)
PRESQUE ISLE AAF Tower (Me)	278 (126.18)		AC (ILS-W)	(4);118.7,122.5,116.1,126.18
PRESQUE ISLE AAF Range (Me)	365 (RU)	9°, 3.8	SBMLZ	(4)
(A) [Presque Isle AAF] (Me) (A)	1.5 WNW;RR E	529	68h L6 S4	91,100 oct.ARPT OF ENTRY
Princeton (Me)	1.5 SSE;hwy NE	250	40h S4	
Rangeley (Me)	1.6 NNW;hwy S	1810	15	
Raymond's (Phillips, Me)	0.8 S;riv E	556	18 S4	80 oct.Trees ESE;hill WNW
Reagan (Norwood, N.Y.)	1.8 WSW;riv E	330	18 S1	80 oct.
Robbins (Hudson, Me)	2.7 SW	365	18 S1	80 oct.
Rockland (Me)	3 SSE;road NE	49	45h L5 S6	80,91 oct.Trees ENE,WSW
Rollins Fly. Svc. (Turner, Me)	2.5 NNW;rd E	335	20 L S2	80 oct.Flare pots on req.P-
Rumford (Me)	2 SSE;riv NW	615	22 L S4	80 oct.Wires NW line NNE.
St. Croix (Baring, Me)	0.5 E;hwy N	95	19 S1	80,91 oct.NNW blkd.Flares
(P) [Saranac Lake] (N.Y.)	5.3 NW;RR NW	1655	40h L2 S4	80 oct.Lgts on req. on req
Snow (Bradford, Me)	0.3 WNW;pond S	270	12 S1	80 oct in Bradford.
Snowman's (Ashland, Me)	1.2 NW;riv E	540	17 S1	80 oct.
Stewart (Massena, N.Y.)	2.1 SE;RR NE	210	20	CLOSED.
Sunnybrook (Clayton, N.Y.)	3.4 S;hwy E	390	18 S1	80 oct. ESE blkd.
Swasey's (Enfield, Me)	1.5 WNW;RR S	240	17	P-lines NE, ESE.
Tomlinson (Skowhegan, Me)	1 NNE;riv 1.5 S	240	21 S6	80 oct. P-line W,NW.
Tupper Lake (N.Y.) (NC)	1 E;riv SE	1680	14	Use strips.P-line W.Rough.
Twin Mountain (N.H.)	0.8 SW;riv N	1430	18 S4	80 oct.
Twitchell's (Turner, Me)	4.8 SSE;riv E	350	14 S6	80 oct. Trees WNW.
(P) [Waterville] (Me)	1.8 SW;riv E	303	39h L5 S6	80,91 oct.Fld lgts prior req
Webb's (Patten, Me)	1 NNW;hwy E	650	14 S4	80 oct.
Weston (Madison, Me)(NC)	1 N;riv 0.8 W	300	19	WSW blkd.Emerg. use.
Westport (N.Y.)	2 S;RR W	285	22 S2	80 oct.
White Mountain Air Term.	3 ESE; RR N	1050	22 S1	80 oct. (Whitefield,N.H.)
White Mountain (No.Conway,N.H.)	1.9SSE;RR W	495	20 S6	80 oct. Trees NW.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

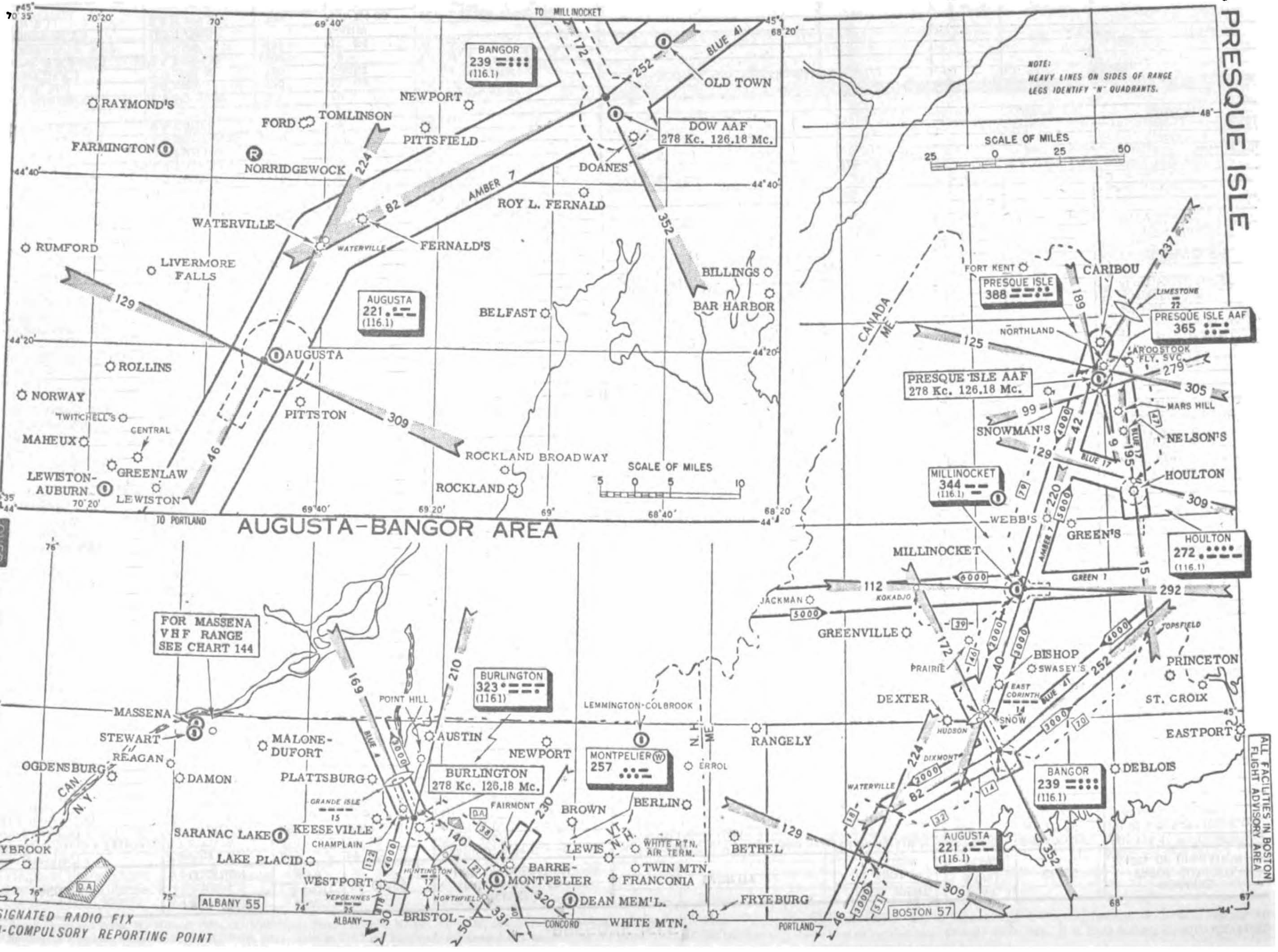
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
DOW (L6)	109.9		153°	IM-	MM- •—•—(0.81)	OM- ——(4.60)
					MMK-	OMK-
PRESQUE ISLE AAF	109.9		8°	IM- ••••••(0.06)	MM- •—•—(0.85)	OM- ——(4.47)
					MMK-201	OMK-219

NEW FACILITIES

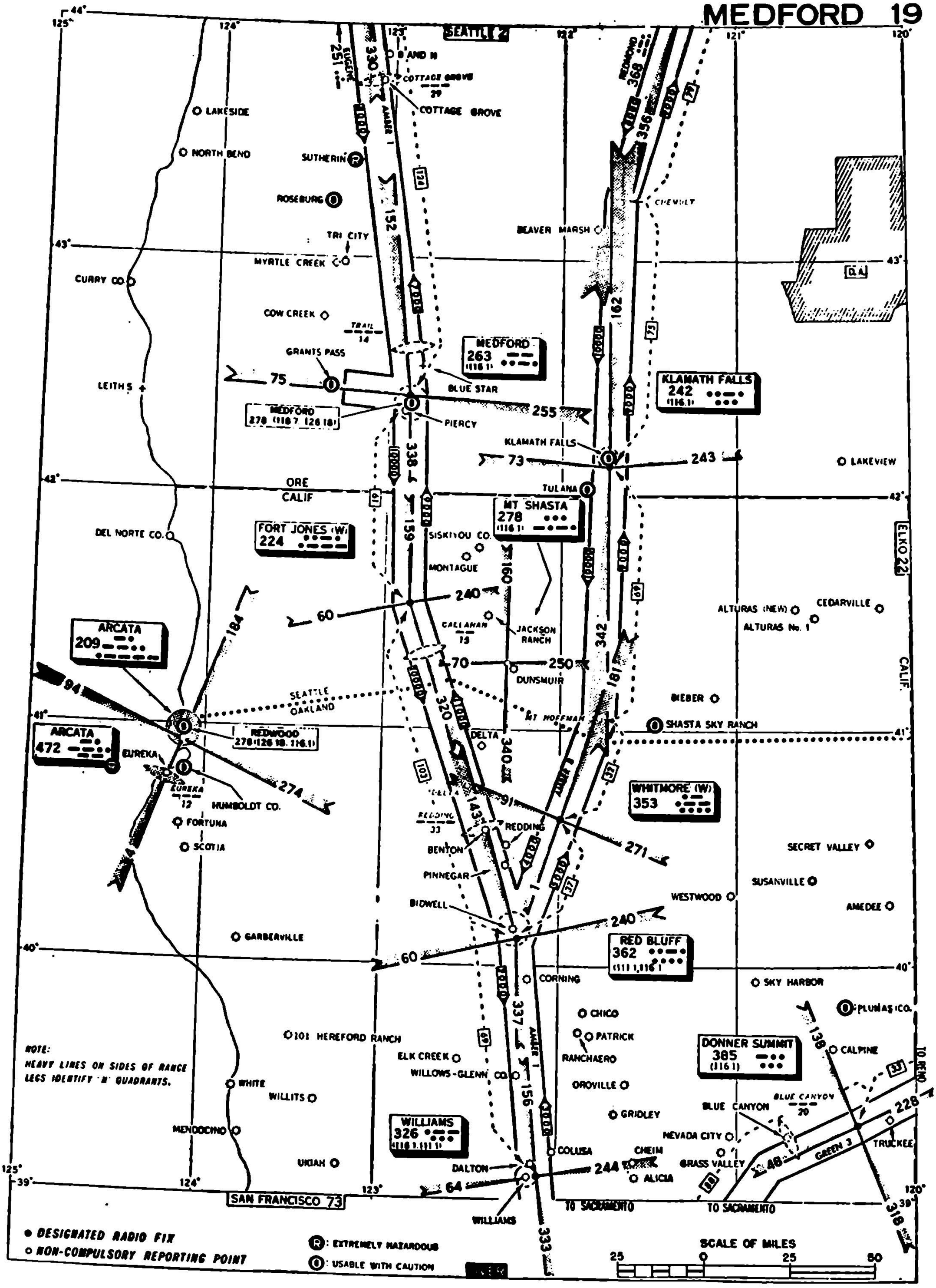
Rockland Broadway(Rockland,Me)	0.8 SSW	60	19 S4	80 oct

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.68, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →← New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


AUGUSTA-BANGOR AREA
TO MILLINOCKET
TO PORTLAND
BANGOR 239 (116.1)
AUGUSTA 221 (116.1)
DOW AAF 278 Kc. 126.18 Mc.
OLD TOWN
NEWPORT
RAYMOND'S
FORD
TOMLINSON
FARMINGTON
PITTSFIELD
NORRIDGEWOCK
DOANES
ROY L. FERNALD
WATERVILLE
FERNALD'S
RUMFORD
LIVERMORE FALLS
BILLINGS
BAR HARBOR
BELFAST
ROLLINS
NORWAY
TWITCHELL'S
CENTRAL
MAHEUX
GREENLAW
LEWISTON-AUBURN
LEWISTON
PITTSTON
ROCKLAND BROADWAY
ROCKLAND
SCALE OF MILES
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
FORT KENT
CARIBOU
PRESQUE ISLE 388
PRESQUE ISLE AAF 365
LIMESTONE
NORTHLAND
CANADA
ME
PRESQUE ISLE AAF 278 Kc. 126.18 Mc.
LAROOSTOOK FLY. SVC
MARS HILL
SNOWMAN'S
NELSON'S
HOULTON
MILLINOCKET 344 (116.1)
WEBB'S
GREEN'S
HOULTON 272 (116.1)
MILLINOCKET
JACKMAN
KOKADJO
GREENVILLE
PRAIRIE
BISHOP
SWASEY'S
TOPSFIELD
PRINCETON
DEXTER
EAST CORINTH
ST. CROIX
SNOW
HUDSON
EASTPORT
RANGELY
DIXMONT
BANGOR 239 (116.1)
DEBLOIS
WATERVILLE
AUGUSTA 221 (116.1)
BETHEL
FRYEBURG
WHITE MTN.
PORTLAND
BOSTON 57
ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
FOR MASSENA VHF RANGE SEE CHART 144
BURLINGTON 323 (116.1)
BURLINGTON 278 Kc. 126.18 Mc.
MONTPELIER 257
LEMMINGTON-COLBROOK
POINT HILL
AUSTIN
NEWPORT
MASSENA
STEWART
REAGAN
MALONE-DUFORT
OGDENSBURG
DAMON
PLATTSBURG
GRANDE ISLE
SARANAC LAKE
KEESEVILLE
CHAMPLAIN
LAKE PLACID
WESTPORT
VERGENNES
SUNNYBROOK
FAIRMONT
BROWN
BERLIN
ERROL
LEWIS
WHITE MTN. AIR TERM.
BARRE-MONTPELIER
TWIN MTN.
FRANCONIA
DEAN MEM'L.
CONCORD
WHITE MTN.
HUNTINGTON
NORTHFIELD
BRISTOL
ALBANY
ALBANY 55
CAN.
N.Y.
VT.
N.H.
ME
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT

MEDFORD 19


SEATTLE 2
44°
125°
124°
123°
122°
121°
120°
43°
42°
41°
40°
39°
LAKESIDE
NORTH BEND
SUTHERIN
ROSEBURG
TRI CITY
MYRTLE CREEK
CURRY CO.
COW CREEK
LEITH
GRANTS PASS
COTTAGE GROVE
BLUE STAR
PIERCY
MEDFORD
263
MEDFORD
278 (118.7 126.8)
KLAMATH FALLS
242
KLAMATH FALLS
TULANA
MT SHASTA
278
LAKEVIEW
ORE
CALIF
DEL NORTE CO.
FORT JONES (W)
224
SISKIYOU CO.
MONTAGUE
CALLAHAN
JACKSON RANCH
DUNSMUIR
ARCATA
209
ARCATA
472
EUREKA
HUMBOLDT CO.
FORTUNA
SCOTIA
SEATTLE
OAKLAND
REDWOOD
278 (126 18, 116.1)
GARBERVILLE
101 HEREFORD RANCH
ELK CREEK
WILLOWS-GLENN CO.
WHITE
WILLITS
MENDOCINO
UKIAH
WILLIAMS
326
DALTON
WILLIAMS
BEAVER MARSH
CHEMULT
LAKEVIEW
ALTURAS (NEW)
ALTURAS No. 1
CEDARVILLE
ELKO 22
CALIF.
BIEBER
SHASTA SKY RANCH
WHITMORE (W)
353
SECRET VALLEY
SUSANVILLE
WESTWOOD
AMEDEE
BENTON
PINNEGAR
BIDWELL
REDDING
BELLA
BELLA 33
EUREKA 12
RED BLUFF
362
CORNING
SKY HARBOR
PLUMAS CO.
CHICO
PATRICK
RANCHAERO
OROVILLE
GRIDLEY
DONNER SUMMIT
385
CALPINE
BLUE CANYON
BLUE CANYON 20
NEVADA CITY
COLUSA
CHEIM
GRASS VALLEY
ALICIA
TRUCKEE
TO RENO
TO SACRAMENTO
TO SACRAMENTO
SAN FRANCISCO 73
SEATTLE
OAKLAND
MT HOFFMAN
AMBER 1
AMBER 1
RED 2
RED 3
GREEN 3
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Alicia (Marysville,Calif)	3.2 SSE;RR W,E	63	60h L5 S6	80, 91 oct.
(P) Alturas (new) (Calif)	6.8 WNW	5034	63h	
Alturas #1 (Calif)	1 W; RR S	4391	30 S6	80,91 oct. P-line N,NE,SW, NW.
Amedee Flight Strip (Calif)	4 SE; RR N	4007	70h	
ARCATA Range (UAL) (Redwood)	209 (NZM)	4°, 3.0	MRL	(3) (Calif)
ARCATA H Fac. (UAL) (Redwood)	414 (NZI)	310°,0.15	H	(4); Z marker 200' from SE end Rnwy 31.
Ash Creek,USFS (McCloud,Calif) (NC)	11.2 ENE	3850	30	Closed Dec-May. Trees SE, NW.
B & H (Creswell, Ore)	3.3 SSW;RR E	620	18 S6	80 oct. Trees NNE.
* Beaver Marsh Int,73,RV-ND (Ore)		4630	54 L3	6.2 mi SSW Chemult
Benton Arpk (Redding, Calif)	1.1 WSW;riv 1 E	719	25 L3 S6	80,91 oct. Wires N.
Bieber (Calif)	1 NE;riv W	4155	33	Soft in winter.
(N) Bidwell (Red Bluff, Calif)	1.7 SSW;RR 1 E	354	40h L5 S4	80,91,100 oct. Fld lgts on req. Wires E, W.
* Blue Canyon Int,13,SF-SL (Calif)	1.1 NNE;hwy NW	5280	34 L3	Wires N,NE. RR E
Blue Star Arpk (Eagle Point,Ore)	4.5 N;hwy E		20 S2	Data unver.
Calpine (Calif)	1 SE;rd N,E	5000	29 S1	91 oct P-lines NE.
Cedarville (Calif)	0.6 S;hwy E	4260	26 S2	91 oct P-line E. W blkd.
Cheim (Marysville, Calif)	1.5 NE;hwy S	67	30 S6	80,91 oct. Wire SW. Levee N, NE Closed to public.
Chester, USFS (Calif) (NC)	1.5 SSW;hwy NW	4525	31	P-line WSW,WNW.
(P) Chico (Calif)	5 N;hwy E	237	67h L5 S6	No flood or boundary lgts.
Colusa (Calif)	1.2 SW;RR W	47	29 S4	80 oct. P-line NNW.
Corning (Calif)	1.3 NE;RR W	300	22 L1 S6	80 oct.
Cottage Grove (Ore)	1.9 S;riv S	640	22 S1	80 oct.
* Cow Creek Int,37B,SF-SA (Ore)	2.5 ENE Glendale	1429	24 L3	Creek S.
(P) Curry Co. (Denmark, Ore)	3.8 WSW	214	51h L5	All lgts prior req.
Dalton Com. (Williams, Calif)	1 ENE;RR SW	65	26 S6	80 oct. S,W blkd. Soft.
(P) Del Norte Co. (Crescent City,Calif)	2.5 NW;ocean W	57	50h L1 S1	80, 91 oct
* Delta Int,22,SF-SA (Calif)	1 SW;RR,hwy N	1320	18 L3	800-1000' mtns E,W.
DONNER SUMMIT Range (Calif)	385(DS)(116.1)		BMRL-DTV	(4); 116.1
Dunsmuir,25B,SF-SA (Calif)	4.5 N;RR W	3240	30 L3 S2	80,91 oct. Poles E,N lgtd.
Elk Creek (Calif)	0.7 SSE;hwy W	725	16 S1	80 oct. Obst sur fld.
Eureka (Calif)	2 W;bay E	20	24h L1	
FORT JONES Range (Calif)	224 (FJ)		SRAWZ	
Fort Jones (Calif) (NC)	1.5 NW;rd NE	2745	30	P-line NW.
Fortuna (Calif)	2.9 SSE;hwy W	356	31 L S6	80,91 oct. Trees NE RR W
Garberville Arpk (Calif)	1 SW;riv,rd SE	480	12 S1	80 oct. Trees N,S.
Gasquet (Crescent City,Calif)	13 ENE;hwy S	390	25	Hazardous-bad appch. USFS
Grants Pass (Ore)	1.6 N;RR W	1050	27 S6	80,91 oct. Poles N. (NC)
Grass Valley (Calif)	0.8 W;hwy N	2600	18 S1	80,91 oct. Trees sur fld. P-line NE.
Gravelly Valley, USFS (Upper Lake, Calif) (NC)	20 N;lake S	2000	49 S2	No fuel. Road crosses NE/SW strip. Trees NE,SE,NW
Gridley (Calif)	0.7 ENE;hwy E	97	26 S1	80,91 oct. P-line N,S.
Hayfork, USFS (Calif) (NC)	1.2 E;hwy N	2350	30	P-line W. Mtns E Clsd to
Humboldt Co. (Eureka, Calif)	3.6 ENE;hwy N	10	18h S6	80,91 oct. Poles NW public.
Illinois Valley Landing Field (Cave Junction,Ore)(NC) USFS	4.3 SSW;riv 1 E	1350	43	Trees NNE.
Jackson Ranch (Weed, Calif)	3.7 NW;lk NNE	2975	33	Trees S.
KLAMATH FALLS Range (Ore)	242(FS)(116.1)	342°,2.7	SBRAZ-DTV	(4); 116.1
Klamath Falls (Ore)	4.9 SSE;RR NE	4085	71h L5 S5	80,91,100 oct. Fld lgts on req
Lakeside (Ore)	0.3 NE;RR S	20	25	P-line S. Ctn-hazardous.
Lakeview (Ore)	3.5 SW;RR E	4728	53h S6	80, 91 oct.
Leith's (Gold Beach, Ore)	Adj W	16	23 S1	80 oct. Data unver.
MEDFORD Range (Ore)	263(MF)(116.1)	158°, 2.4	SBRAZ-DTV	(3); 116.1
MEDFORD Arpt Tower (Ore)	278 (126.18, 118.7)+		AC	(4); 126.18,118.7,122.5
(A,N) Medford (Ore) (NATS)	3.2 N;RR E	1329	54h L5 S4	80,91,100 oct.
Mendocino (Little River, Calif)	2.5 SE	572	53h S4	80, 91 oct.
Montague (Calif)	1 W;hwy S	2520	32 L3 S6	80, 91 oct
MOUNT SHASTA Range (Calif)	278(SC)(116.1)	116°,2.2	BMLZ-DTV	(4); 116.1
* Myrtle Creek Int,39A,SF-SA (Ore)	4 SW;riv,RR W	640	25 L3	Hill S,N. Emerg only.
Nevada City (Calif)	1.5 NW;rd S	3060	26 S4	80 oct.
(P) North Bend (Ore)	1.2 WNW;riv N	4	50h L5 S6	80,91 oct. Trees SSE,SW, NNW.
101 Hereford Ranch (Laytonville)	1 S;hwy E	1635	18 S1	80 oct. (Calif)
(P) Oroville (Calif)	3 SW;riv E	199	60h L5 S2	80,91 oct. Port rnwy lgts, prior req.
Patrick (Chico, Calif)	2 SSE;RR E	189	34 S6	80,91 oct. P-line NW.
Piercy (Medford, Ore)	2.6 NW;hwy E	1250	20 S6	80,91 oct. Poles SE.
Pinnegar (Anderson, Calif)	1 S; creek N	435	23 S1	80 oct. Cattle on fld. Hill SSE
Plumas Co. (Beckwourth, Calif)	0.8 ENE;RR SW	4900	36 S6	80,91 oct. P-line SE,S,SW.
Ranchaero (Chico, Calif)	2.2 WSW;riv W	170	22 S6	80,91 oct. P-line S. Hwy NE
RED BLUFF Range (Bidwell)	362(FH)(vhf)	323°,2.5	SBRAZ-DTV	(4); 116.1,122.1 (Calif)
Redding (Calif)	7.5 SE;riv S	500	60h S2	80, 91 oct.
REDWOOD Tower (Calif)	278(126.18,116.1)		CI (ILS-W)	(3); 116.1,126.18 (8-17)
Redwood (Arcata, Calif)	7.6 NNW	217	60h L	Exten exper lgtg CLOSED.
* Roseburg Int,41A,SF-SA (Ore)	2.4 NNW;RR E	500	38 L3 S6	80,91 oct. Hills N,NE,S.
Round Valley (Covelo,Calif) (NC)	0.7 SW;hwy E	1385	30	
Scotia (Calif)	1.5 SSE;RR N	120	25 S1	80,91 oct. ESE blkd. Riv S.
* Secret Valley Int,52,RV-ND (Calif)	4 SE	4435	50	Day use only
(P) Shasta Sky Ranch (Fall River Mills, Calif)	1 N;hwy E	3300	33 S6	80,91 oct. Soft. P-line W, SSW,E,ENE,S.
(P) Siskiyou Co. (Montague,Calif)	4.3 NE;RR W	2647	73h L5	
Sky Harbor (Quincy, Calif)	2.5 E;hwy S	3400	24 S2	80, 91 oct. Poles S.
Susanville (Calif)	6.5 SE;hwy SW	4150	32 S6	80,91 oct. Pwr line N.
Sutherlin Sky Ranch (Ore)	3.8 ENE;rd E,S	575	18 S1	80 oct.
Tri-City (Riddle, Ore)	3.5 NE;RR N,W	700	19 S1	80 oct. P-line N,S.
* Truckee Int,16B,SF-SL (Calif)	3.6 ENE;RR S	5820	34 L1	Snow Dec.-April.
Tulana (Worden, Ore)	1 S;RR NW	4080	37 S6	80 oct. Pwr line NNE.
(P) Ukiah (Calif)	1 S;RR E	612	40h L5 S6	80,91 oct. Fld lgts on req. Wires NNW.
Weaverville, USFS (Calif) (NC)	1 SSE;hwy E	2040	22	30' poles S Closed to public.
Westwood (Calif)	1.5 W;hwy N	5100	22	
White (Ft. Bragg, Calif)	1 NNE;ocean W	72	15 S4	80,91 oct SE,NW blkd.
WHITMORE Range (Calif)	353 (AWH)		MRLWZ	
WILLIAMS Range (Int.) (Calif)	326(WS)(vhf)	244°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1
Williams Int,9,SF-SA (Calif)	4 S;road N	139	42 L3	Mtns W,N/S strip soft when wet.
Willits (Calif)	1.3 ENE;rd S	1356	18 S1	80 oct. Trees E P-line W.
Willows-Glenn Co. (Calif)	1.3 WSW;RR E	130	45h L1 S6	80 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
REDWOOD	109.5	332.6	312°	IM- (0.14)	MM- ••••••(0.66)	OM- ▬▬(4.5)
					MMK-	OMK- 404 ▬▪▬▪▬
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

ELKO

RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Air Term.)	350(BE)(vhf)	SBRAZ-DTV;110°,2.5	(3);116.1,122.1
BOISE AIR TERMINAL	278(126.18) (118.3)	AC	(4);126.18,118.3,122.5
EAGLE FM	(- - - -)	FM. 301°,11.5	Boise
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise
NEVADA			
BATTLE MTN.	281(BP)(116.1)	BMRLZ-DTV, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-DTV, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SRAWZ; 219°, 2.9	
HUMBOLDT (Int.)	209(HD)(116.1)	BMRLZ-DTV 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-DTV 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno
NEW RADIO FACILITIES			
HUBBARD (Reno)	278	CI	(4)(5-20 Wed,Sat,Sun; 8-16 other days.)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker:(3)-3105, 4495, 6210 kcs;(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IDAHO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW			ABANDONED
Boise Airpark	1.8 WNW;hwy W	2660	25 S6	80 oct.Right traffic when land. to NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
(P) Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE.
Emmett	2.6 SW, RR NW	2300	28 S6	80 oct,Trees WNW.
→ Floating Feather (Eagle)	2 E;riv 1.5 S	2635	39 S6	80 oct.Trees SW,hill NE.
(P) Glenns Ferry	1.3 WSW;RR N	2556	34 S1	Ltd 80 oct.
GOWEN (Boise)	See Boise Air Terminal under "New Arpts"-name chg.			
(A) Mountain Home AAF	10.7 WSW	3004	100h	TMP INACT NO FACS
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
Parma	0.6 SSE;RR NW	2225	26 S1	80 oct.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page xiii)(NC)-Not Charted → NEW OR REVISED DATA

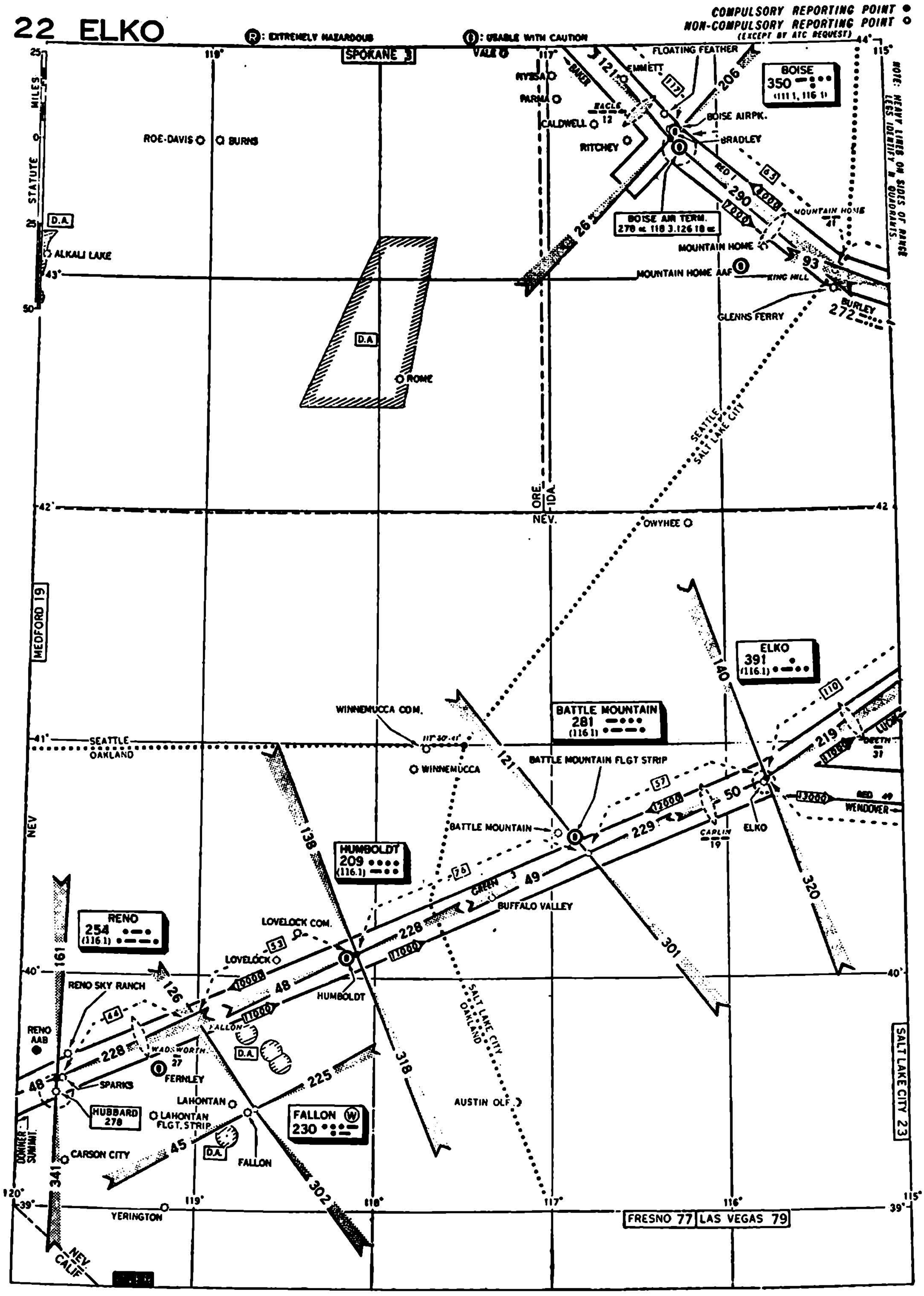
NEVADA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Austin OLF	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3 S1	
★ Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	52 S6	80,91 oct.Mts N,hill W
(P) ELKO-KEDDIE	1.8 W,RR S	5066	62h R1 L5 S4	73,91,100 oct.Hills SE.
★ Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
(N) Fallon	6 SE,hwy S	3931	70h L5 S4	80,91 oct.
HUBBARD (Reno)	3.4 SE;hwy W	4404	64h R2 L5 S4	80,91 oct.
★ Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	3980	24 S4	80 oct.Poles ENE,WSW
(P) " Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	37 S4	80,91 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
→ Orovada (NC)	1.2 W,hwy E			ABANDONED
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fld CLOSED
→ Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	50 L S6	80,91 oct.Flare pots on prior req.
→ Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct. P-line W,SE.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

Alkali Lake Flgt Strip	7.5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	23.9 SW;hwy E	4050	60h L	Emerg only.
Vale	1.2 SSW;rvr E	2250	23 S2	80 oct. P-line NE.
NEW AIRPORTS				
(NG) BOISE AIR → TERMINAL, (Idaho)	4.5 SSW	2858	77h R2 L5 S6	80,91 oct.

22 ELKO


COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
I: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R QUADRANTS
SPOKANE 3
VALE 6
RYEGA
PARMA
BAKER
121
EMMETT
117
FLOATING FEATHER
206
BOISE
350
(111.1, 116.1)
EAGLE
12
CALDWELL
BOISE AIRPK.
RITCHEY
BRADLEY
ROE-DAVIS
BURNS
63
290
MOUNTAIN HOME
41
BOISE AIR TERM.
270 ∝ 118.3 126.1 8 ∝
26
MOUNTAIN HOME
93
ALKALI LAKE
D.A
MOUNTAIN HOME AAF
KING HILL
BURLEY
272
GLENNS FERRY
ROME
ORE.
IDA.
NEV.
SEATTLE
SALT LAKE CITY
OWYHEE
MEDFORD 19
WINNEMUCCA COM.
BATTLE MOUNTAIN
281
(116.1)
ELKO
391
(116.1)
110
219
LUCIN
DEETH
31
WENDOVER
SEATTLE
OAKLAND
WINNEMUCCA
BATTLE MOUNTAIN FLGT STRIP
57
50
229
CARLIN
19
ELKO
138
HUMBOLDT
209
(116.1)
76
GREEN
49
BUFFALO VALLEY
RENO
254
(116.1)
LOVELOCK COM.
53
LOVELOCK
228
140
301
320
RENO SKY RANCH
126
48
HUMBOLDT
44
RENO AAB
228
WADSWORTH
27
FERNLEY
SPARKS
48
LAHONTAN
HUBBARD
278
LAHONTAN FLGT. STRIP
225
FALLON
230
AUSTIN OLF
318
SALT LAKE CITY
OAKLAND
SALT LAKE CITY 23
DONNER SUMMIT
CARSON CITY
45
341
FALLON
302
YERINGTON
NEV.
CALIF.
FRESNO 77
LAS VEGAS 79

SALT LAKE CITY 23

● COMPULSORY REPORTING POINT
□ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
Ⓡ EXTREMELY HAZARDOUS
Ⓘ USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

GREAT FALLS 6

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA

IDAHO FALLS 359 (116.1)

POCATELLO 257 (111.1, 116.1)

BURLEY 272 (116.1)

GOODING 215 (116.1)

MALAD CITY 314 (116.1)

STREVELL 335 (116.1) On request

LUCIN 302 (116.1)

OGDEN 263 (116.1)

FORT BRIDGER 382 (111.1, 116.1)

SALT LAKE CITY 227 (111.1, 116.1)

FAIRFIELD 362 (111.1, 116.1)

DELTA 212 (116.1)

WENDOVER 248

HINCKLEY 284 MC

WENDOVER AAF 201 MC 126.18 MC

HILL AAF 396 MC 126.18 MC

SALT LAKE CITY NO. 1 278 MC 118.3 MC

LAS VEGAS 79

WINSLOW 81

ST. ANTHONY · REXBURG · SIGNAL MOUNTAIN · TETON PEAKS-DUBOIS · JACKSON · DUBOIS · ROBERTS · IDAHO FALLS · POCATELLO · HAYFIELD · POCATELLO AAF · ABERDEEN · UNIVERSITY · AMERICAN FALLS · AFTON · FRIEDMAN · CAMAS CO · ALBERT · ADKINS · BILLY ANDREW · GOODING · JEROME · TWIN FALLS · BURLEY · IDAHOME · STREVELL · MALAD CITY · PRESTON · MONTPELIER · BEAR LAKE CO. · COKEVILLE · IDAHO · NEV · SAN JACINTO · LOGAN-CACHE CO · HILLCREST · KEMMERER · TREMONTON · CORINNE · BRIGHAM · HUNTSVILLE · EVANSTON CITY · FORT BRIDGER · LUCIN · PROMONTORY POINT · OGDEN ARPK · LAYTON · BOUNTIFUL · EVANSTON · VENTOSA · LOW · TIMPIE · KNOLLS · GRANTSVILLE · SALT LAKE NO. 2 · MIDVALE · ALTA · UTAH CENTRAL · TOOELE · RIVERTON · FAIRFIELD · PROVO · SPANISH FORK · DUGWAY AAF · NEPHI · MT PLEASANT · CARBON CO · MANTI-EPHRAIM · SALINA-GUNNISON · YEL LAND · NEV. · UTAH · D.A. · TO KING HILL · TO ELKO · TO ROCK SPRINGS 26 · TO MILFORD · OVER

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272(BX)(116.1)	SBRAPZ-DTV;200°,2.7	(4);116.1,122.1
GOODING (new)	215(GG)(116.1)	BHTV	(4);116.1,122.1
IDAHO FALLS (Mun.)	359(IF)(116.1)	SBMRAZ-DTV;192°,2.6	(4);116.1,122.1
MALAD CITY (Int.)	314(WT)(116.1)	SBRAZ-DTV;131°,3.4	(4);116.1
POCATELLO	257(PQ)(vhf)	BMRLZ-DTV;56°,2.5	(4);116.1,122.1
STREVELL	335(TV)(116.1)	MHPV	(4);116.1
UTAH			
CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212 (VZ)(116.1)	SBRAZ-DTV, 7°, 3.6	(4); 116.1
FAIRFIELD (Int.)	362(JL)(vhf)	BMRLZ-DTV,2°,4.4	(4);116.1,122.1
HILL,(Ogden)	396 (126.18)+	CA	(4),4220;126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-DTV;156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-DTV,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
ROBERT H.HINCKLEY(Ogden)	284	CI	(4) (0830-2130,Wed-Sun;1130-2130,Mon,Tues)
SALT LAKE CITY	227(SL)(vhf)	SBRAZ-DTXV;163°,2.9	(3);116.1,122.1
Salt Lake City Arpt #1	278 (118.3)	C (ILS-W)	(4); 122.5,118.3,126.18
TIMPIE FM	(- - -)	FM, 246°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 2.2	(3);126.18
WYOMING			
FORT BRIDGER (Int.)	382(HM)(vhf)	SBRAZ-VDT,228°,2.4	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SALT LAKE CITY	110.3 ···· -·-·	335	343°	IM-	MM- ·-·- (0.71)	OM- -- (4.69)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW;canal E	4460	32 S6	80 oct.
Albert (Richfield)	5.2 NE,RR W	4400	23 S1	Ltd 80 oct. Hills N,S,W
American Falls	2 NE,RR NW	4404	39 S6	80 oct. S blkd.
Arco (NC)	1.5 ESE;RR SW	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE;rd S	5928	57h	
Buhl (NC)	5.7 W;hwy E	3690	41 S1	80 oct.
(P) Burley	1.3 ENE,RR SW	4149	41h R1 L5 S6	80,91 oct. Pole line WNW.
Camas Co. (Fairfield)	0.8 SW;RR,hwy N	5065	31 S1	80 oct. P-line E.
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	80 oct.
(P) Friedman (Hailey)	0.8 S,RR E	5300	52 S1	80 oct.
(P) Gooding	3.5 WSW,hwy N	3730	49h R1 L5 S6	80,91 oct.
Gooding (old)	4 SSW			ABANDONED
(P) IDAHO FALLS	2 NW;riv E	4730	52h R1 L5 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4420	21 L3	
Jerome	3.3 ENE	3980	31 S1	80 oct.
(P) MacKay (NC)	0.8 SE,RR NE	5900	30 S2	80,91 oct.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4503	50h L3	73 oct.
Montpelier	0.6 NNE,RR WSW	5965	30 S1	73 oct. Mtn NE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
POCATELLO	5.8 NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 WNW	4445	84h	TMP INACT NO FACS
Preston	1.7 WNW,riv W	4800	28 L S6	80 oct. Flood lgt on req.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
St. Anthony	1.1 SSE,RR W	4965	40 S6	80 oct. SW blkd.NE bldg.
* Strevell Int, 10, SL-PO	0.3 NNW	5270	31 R1 L2	Emerg only.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	40 S6	(NC) 91 oct. Trees N
(P) Twin Falls	6.5 S;Canal S	4200	40 S6	80,91 oct. Strips only-wet weather.
University (Ham's)(Pocatello)	1 ENE,hwy W	4550	35	Hills N,S. Emerg only.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	31	P-line SE,trees NW. Emerg only.
NEVADA				
* Ventosa Int,48,SF-SL	0.5 N,RR S	5600	27 L3	
* Wells Int,46B, SF-SL	1.5 S,rd W			ABANDONED.
Yelland (Ely)	3.5 NNE;RR W	6258	60h S6	80,91 oct.
UTAH				
Alta Arpk (Sandy)	2.3 E,RR W	4800	30 S6	80,91 oct. Hwy W.
Bountiful Sky Haven	2.6 WSW	4222	38 S4	80 oct. P-line S,NW.
Brigham	3 NW,RR S	4220	37 L4 S6	80 oct. P-line S.Wires W.
Carbon County (Price)	2.8 E,RR W	5800	58 S6	80 oct. Use strips only.
Delta	4.8 ENE,	4755	61h R1 L5 S3	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE;hwy W	5700	55 S2	80 oct. P-line NW.,W. Use strips only.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
Hillcrest (Logan)	2.7 NE,RR W	4780	27 L S6	80,91 oct. Port flood lgts.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	30 L3	
Logan-Cache Co. (Logan)	4 NNW,RR E	4460	53h L5 S6	80,91 oct. P-line NE,SE.
Low Flight Strip	11.8 W,hwy S	4241	71h	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4414	54 R1 L3	
Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	35 S4	80 oct.
Midvale	3 WSW;RR NW	4500	20 S4	80 oct P-line SE. Ctn when wet.
Mt. Pleasant	1.5 SSW,RR NW	5857	48 36	80 oct. Trees NE. Use strip only.
Myton (NC)	1 E,riv N	5090	31	Stay on strips.
Nephi	2.5 NW	4800	48 S2	80 oct. Soft when wet
Ogden Airpark	4 S,hwy NE	4700	52 S6	80 oct. P-line NE. Fence S.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	on fld.
(P) Provo	2.8 WSW;lake W	4490	70h L5 S6	80,91 oct. Fld lgts prior req. Cattle
(NG) SALT LAKE No. 1	5 WNW;hwy S	4222	55h R3 L6 S6	80-100 oct. Rdo rec rqrd. Ltd 100 oct.
Salt Lake No. 2	10.5 SSW,RR W	4617	56h S6	80,91 oct. 2-ech maint NG.
Spanish Fork	2 NW,RR SE	4560	42 S6	80,91 oct.
Tooele (NC)	1.4 WSW,RR W	4985	32 S4	80,91 oct. P-lines N,NW.
Utah Central(Salt Lake City)	4 SW;hwy N	4240	37 S4	80 oct, Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4240	81h R2 L5 S6	73,91,100 oct. JP-1.
WYOMING				
Afton	0.3 SW,hwy E	6239	29	N blkd.
Big Piney (NC)	2 N;hwy S	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
Evanston City	3.6 SSW	6800	30 S4	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
(P) Jackson	9 N,riv W	6400	52	
* Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L2	
Signal Mountain (Moran)	2 3 S	6800	45	Mtn 2 mi N.
NEW AIRPORTS				
Hayfield (Tyhee,Idaho)	2 SE;RR W	4600	31 S6	No sto
Evanston, new (Wyo.)	0 5 NE;hwys S,W	6730	30 S3	80 oct. Pwrline W.
San Jacinto (Nev.)	0.2 NE;RR W	5200	47 S1	91 oct. Batt. lgts on req.
Tremonton, (Utah)	0.5 W;hwy S	4322	28 S1	80 oct. S blkd.
Andrew (Shoshone,Idaho)	2.5 E;hwy N	4000	25	Soft in spring.
Adkins (Richfield,Idaho)	4.5 SW;riv S	4150	17 S2	81 oct. Soft in spring.
→ Honesdale (N.Y.)	2 SE;riv S	920	25 S4	80 oct. Woods & hills E,W
→ Carbondale-Clifford (Clifford,Pa)	1.0 E;lk SE	1520	19	
→ Salima-Gunnison (Salina,Utah)	5.5 NNE;riv S	5100	35 S1	80 oct
→ Teton Peaks,Driggs (Driggs,Idaho)	0.4 NE;RR W	6100	34 S1	80 oct SW blkd

ROCK SPRINGS

RADIO

COLORADO

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	BVAR-DTV	3105,3117.5;116.1,122.1
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	BVAR-DTV (ILS)	3105,4495,3117.5; 116.1,122.1

WYOMING

CASPER(Wardwell)	269(CW)(116.1,111.1)	SBRAZ-DTV;256°,2	(4);116.1,122.1
CASPER AAF	396(126.18)	CA	(3); 126.18
DOUGLAS	251 (DQ) (116.1)	BHTV	(4) :116.1
LARAMIE (Brees Fld)	245(LR) (116.1, 111.1)	SBMRAZ-DTV 137°, 2.2	(4);116.1,122.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (mun)	290(RT)(116.1)	SBRAZ-DTV, 246°,2.8)	(4);116.1,122.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-DTV, 80°, 1.7	(4);116.1,122.1
PARKERTON,WYO.FM	(-)	FM; 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WALKER	110.3 ·---	335	110°	IM-	MM- ·-·-(0.69)	OM- -- (4.52)
					MMK-	OMK-

S-Simul Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

COLORADO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L1 S6	73,80,91 oct.
Glenwood Sprgs.	2 S	5900	31 S4	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
(P) Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
(P) WALKER (Grand Junction)	2.8 NNE;rd W	4842	54h L3 S6	80,91,100 oct.

UTAH

Roosevelt	1.3 NE;hwy S	5000	51 S2	80,91 oct. P-line NE,E,SE.
Vernal (new)	1 SSE;hwy N,E	5280	32 S6	80,91 oct.Use strips
Vernal (old)	7 ESE;riv 4 E	5200	34	Soft when wet. only.

WYOMING

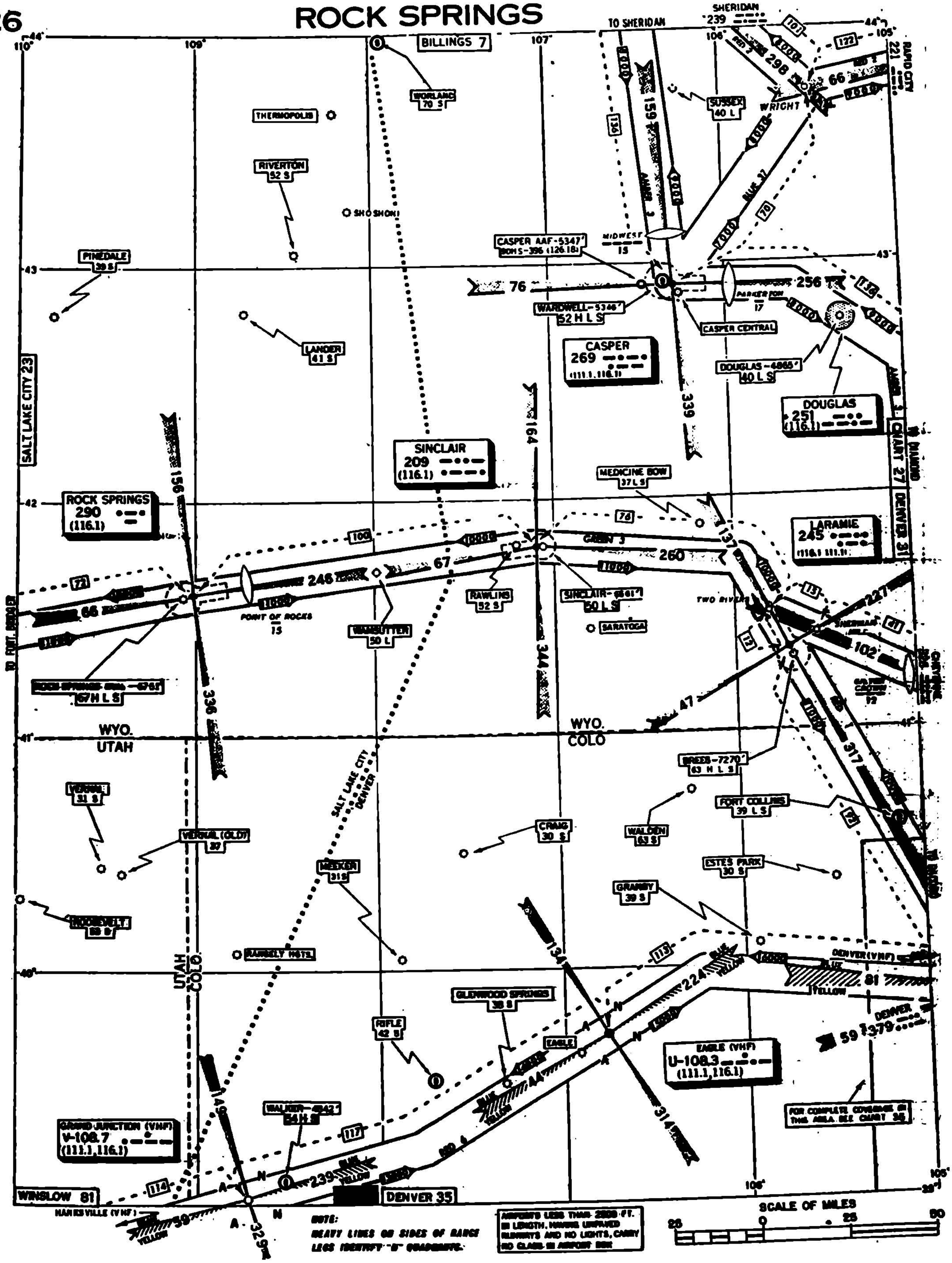
AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	90h R1 L S2	100 oct.
Douglas,11B,CX-GT	1.5 SE;RR W	4865	40 R1 L3 S2	73 oct. P-line NE.
General Brees (Laramie)	See Brees Field under "New Airports" - name changed			
→ Lander	1.5 S;riv W	5550	41 S2	80 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy N	7200	39 S1	80 oct.
Rawlins	2.3 NE;RR 1 S	6780	52 S4	80,91 oct.
(P) Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS → MUN	8.8 E;RR N	6751	67h R1 L5 S2	80,91,100 oct.
→Rock Springs (old)	3.8 NNW			(NC) ABANDONED
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3	
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	36 S1	80,91 oct.Hill SW.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR S	6812	50 L3	35 pole line SW
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,80,91 oct.
(P) Worland	2.5 S;canal NW	4185	68 S1	80 oct.

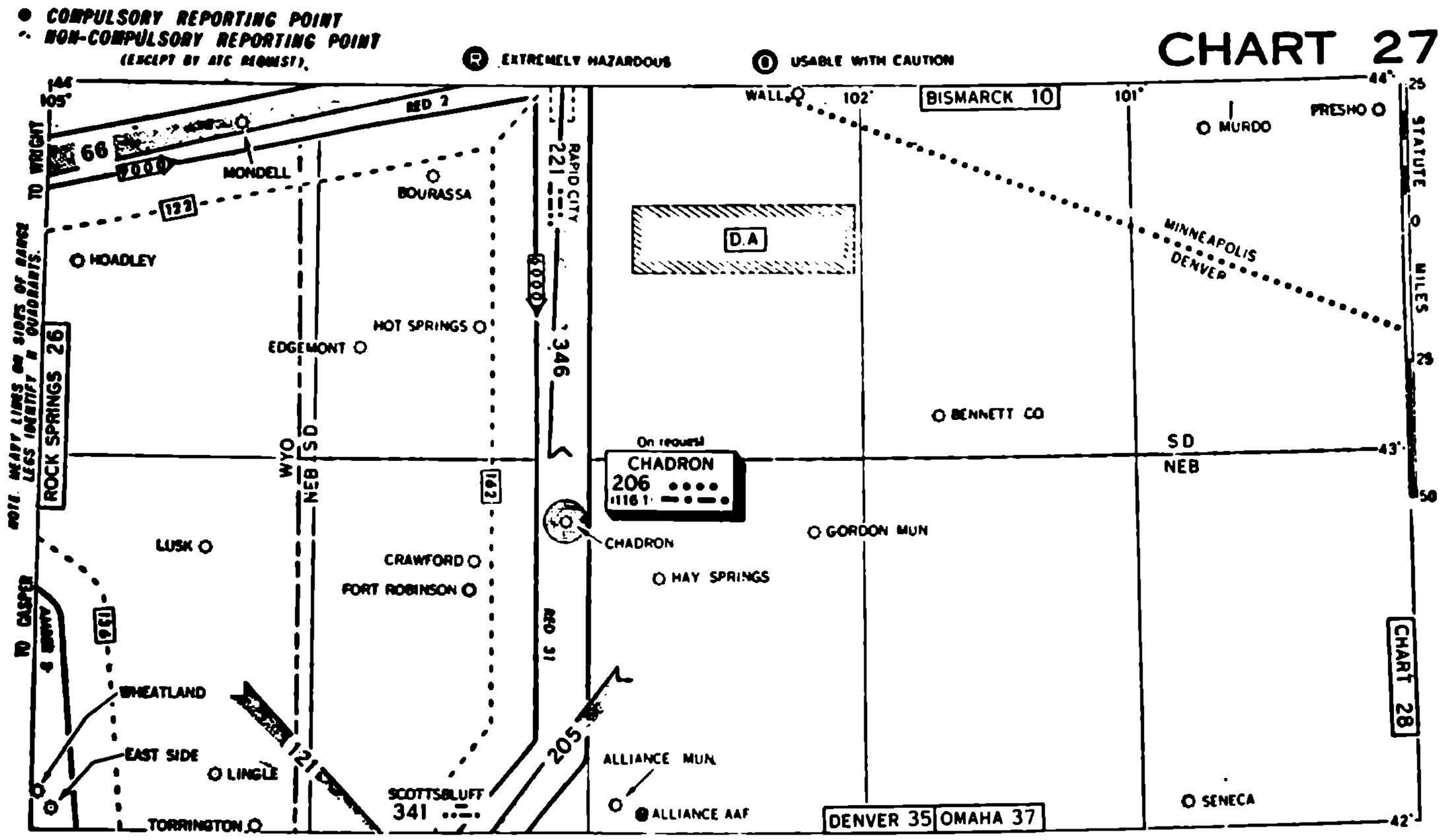
NEW AIRPORTS

Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S2	80 oct. Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW;riv E	6900	47 S1	80 oct. P-line ESE.
Eagle (Colo.)	4.5 WSW;RR N	6496	34	
Rangely Heights, (Rangely,Colo)	0.6 SE;riv N	5500	33 S1	80 oct. Hill adj SSW.
Brees (Laramie, Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Shoshoni (Wyo)	1 W;riv 2.5 W	4820	40 S4	80 oct.S blkd.P-line SE.
Laramie (Wyo.)	4 S;hwy W	7218	38 S1	Fuel,100' Stack NW.

h-hard surfaced runways R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted) → NEW OR REVISED DATA

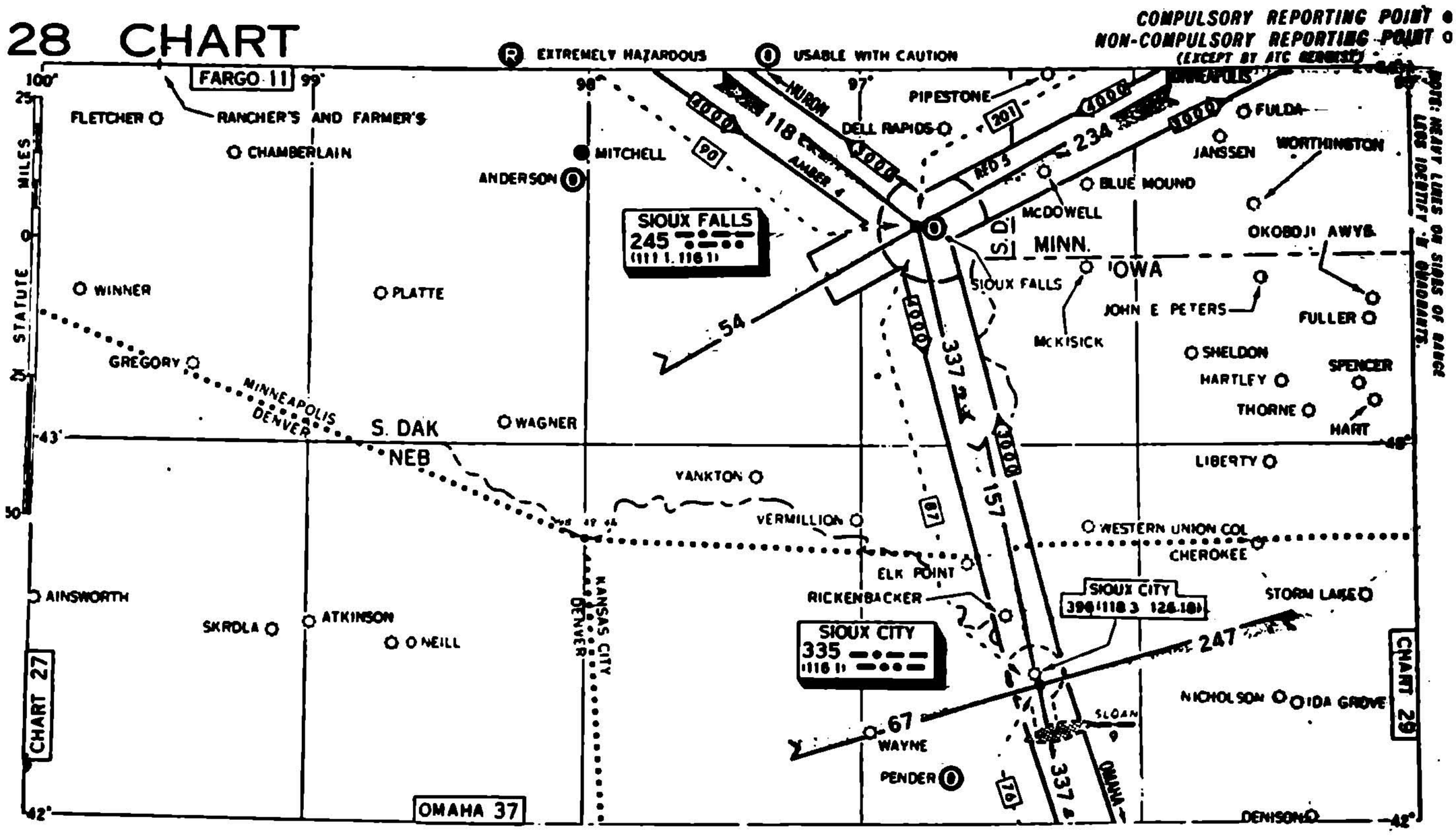
ROCK SPRINGS





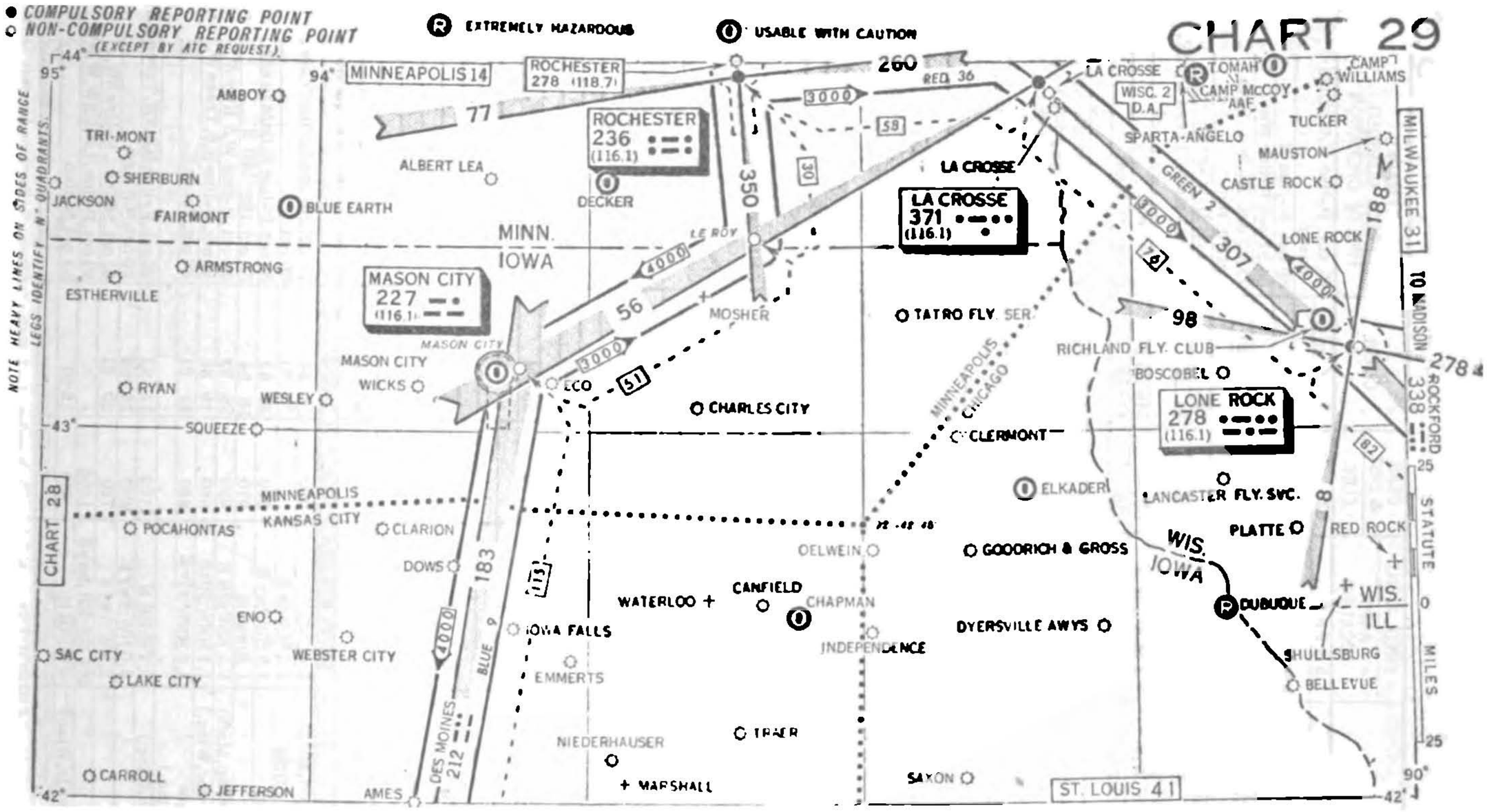
FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS, FREQS. GUARDED, HRS. OF OPERATION
(A) Alliance AAF (Nebr) (A)	4.6 SE;RR N	3930	92h	CLOSED.
Alliance Mun. (Nebr)	2.8 SW;RR E	3965	53 S6	80 oct. Hwy E
(P) Bennett Co. (Martin, S.D.)	4.4 SSE;riv N	3325	30 S1	73 oct. P-line sur fld.
Bourassa (Custer, S.D.)	1 ESE;hwy N	5301	30 S2	73 oct. Poles W, NW.
CHADRON H Fac. (Nebr)	206(HC)(116.1)		MHTV	(4); 116.1
(P) Chadron, 15, CX-HR (Nebr)	4.8 W;hwy S	3312	45 L3 S4	73 oct.
➙ Crawford (Nebr)	3.8 NNW;hwy E			ABANDONED
East Side (Wheatland, Wyo)	0.7 E;RR W	4750	23 S4	80 oct.
Edgemont (S.D.)	1.1 SW	3575	30 S2	73 oct
(A) Fort Robinson (Nebr) (A)	2 S;RR N	3920	18	
Gordon (Nebr)	1.3 E;RR N	3549	34 S4	73,80 oct. Poles N,S,W.
Hay Springs (Nebr)	2.5 W;hwy E	3840	17 S2	80 oct. P-line N.
Hoadley (Dull Center, Wyo)	9.4 NE	4176	24 S1	73,80 oct.
(P) Hot Springs (S.D.)	5.5 SSE;riv N	3075	52 S2	73 oct.
Lingle (Wyo)	1.2 N;RR S	4200	30	P-line SE
Lusk (Wyo)	2.9 E;RR S	5000	42 S1	80 oct. P-lines SE,S,NW,N.
Modisett (Rushville, Nebr)	2.4 NE;RR S	3475	30	Bldgs, p-line E
Mondell (New Castle, Wyo)	6.2 WNW;RR N	4260	36 S2	80 oct. P-line N,E.
Presho Mun. (S.D.)	0.8 NW;RR S	1800	22 S1	80 oct. Poles N,NW,S.
Seneca (Nebr)	2.2 NNW;riv S	3200	26 S1	Ltd 80 oct. Twr NNW. NW
(P) Torrington (Wyo)	3.4 S;hwy W	4350	40 S2	73,91 oct. P-line S,SE,SW,W
Valentine (Nebr)	1.5 SSE;hwy E	2579	18	Not maintained. Rough. Poles
(P) Wheatland,6,CX-GT (Wyo)	3.4 NNW;riv N	4648	46 L3 S6	73,80,91 oct. Rough. NE
NEW FACILITIES				
Murdo (S.D.)	1 WSW;hwy E,S	2300	25 S1	80 oct. NE,E blkd. Use ctn.
Wall (S.D.)	0.5 NW;RR E	2800	33 S2	73 oct. NE,E,SE,S blkd

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495. 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)➙ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Ainsworth, mun.(Nebr)	7 WNW;RR S			ABANDONED
Anderson(Mitchell,S.D.)	2.7 W;RR N	1393	29 S6	80 oct.Poles sur fld.
[illegible] (Nebr)	1.4 SW;riv NE	2109	22	Trees S.P-line E,SE, N, NW
Chamberlain (S.D.)	3.4 SE;hwy N	1689	26 S2	73,80 oct.Poles N,NW
Cherokee (Iowa)	1 S;RR W,S	1218	19 S1	80 oct.
Dell Rapids Mun.(S.D.)	1.6 NE;RR SE	1450	20 S1	73 oct.
Denison (Iowa)	2.4 WSW;riv SE	1200	20 S2	80 oct.Trees SSW.
Elk Point (S.D.)	2.4 E;riv NE	1120	26 S2	80 oct.Poles N,NW.
Fletcher (Reliance,S.D.)	2 SE;RR NE	1600	20 S1	80 oct.
Fuller (Milford,Iowa)	0.7 NNW; hwy E	1440	36 S6	80 oct.Trees,poles E, W,S. Lake N.
Gregory (S.D.)	2.2 S;RR NE	2000	22 S2	73 oct.P-line E,SE
Hart (Spencer, Iowa)	1.6 S;hwy N	1100	26 S4	80 oct.P-line NE,N.
John E. Peters (Ocheyedan, Iowa)	1.5 N;hwy S	1425	24 S2	80 oct.25' p-line S
Liberty (Sutherland,Ia)	2.1 WSW	1465	23 S6	80 oct.35'p-line E.RRW
McDowell (Luverne) Minn.)	8 NW;hwy W	1640	25 S2	80 oct
McKisick (Rock Rapids, Iowa)	3 N;riv W	1361	31 S4	80 oct Trees W
(A) Mitchell AAF (S.D.)(A)	4 N;hwy E	1292	67h	CLOSED
Nicholson (Ida Grove,Ia)	1.9 WSW	1120	20 S1	80 oct. RR N
Okoboji Airways (Spirit Lake, Iowa)	2.8 SW;hwy E	1450	20 S2	80 oct Poles NE
Pender (Nebr)	1 NE;RR SW	1400	22 S2	73 oct.P-line S,SE
Pipestone (Minn)	1 SE;RR E,W	1735	25 S6	80, 91 oct No sto
Platte (S.D.)	1.2 NNE;RR SW	1650	28 S1	80 oct.Poles SE,S
Rancher's & Farmer's (Reliance, S.D.)	9 N;rd N,S		30 S1	73 oct.Data unver
Rickenbacker (Stevens, S.D.)	1 N;riv E	1114	28 S6	80, 91 oct
Sheldon (Iowa)	5 NNE;RR W	1444	33 S6	80 oct.P-line S,W,SW,SE
SIOUX CITY Range (Iowa)	335(YX) (116.1)	337°, 1.9	SBMRLZ-DTV	(3);116.1,122.1
SIOUX CITY Tower (Iowa)	396 (126.18, 118.3)		AC	(4);126.18,118.3,122.5
(A) [Sioux City] (Iowa)	7 S;RR E	1097	69h L5 S4	80,91 oct.;91,100 oct
SIOUX FALLS Range (S.D.)	245(YL)(vhf)	93°, 2.2	SBRAZ-DTV	(4);116.1,122.1 [mil.acft.
(NG) [Sioux Falls Mun.] (S.D.)	2.5 NNW;RR E	1420	57h L5 S6	80,91 oct;73,100 oct,
(P) Skrdla (Stuart,Nebr)	7.5 S	2090	30 S1	73 oct. [3-ech maint NG]
(P) Spencer (Iowa)	2.9 WNW	1335	40 S6	80,91 oct. RR S
Storm Lake (Iowa)	3.5 SSW;1k NE	1300	36 S2	80 oct.
Thorne (Moneta, Iowa)	2.5 S	1410	25 S2	80 oct.P-line,trees W.
Vermillion (S.D.)	3.8 WNW	1140	25 S4	80 oct.Poles N.RR NE.
Wagner (S.D.)	1.3 S;RR N	1464	30 S1	73 oct.Poles E,NW.
(P) Wayne (Nebr)	1.8 E;RR N	1475	33 S4	80 oct.P-line NW,
(P) Western Union (Le Mars, Iowa)	1.3 SW;RR SE	1190	30 S6	80 oct. Low obst
Winner (S.D.)	1.3 NE;RR SW	2038	26 S6	80,91 oct.
Worthington (Minn)	1.6 N	1570	32 S6	80 oct.No sto.Rot bcn in town.
(P) Yankton (S.D.)	2.3 N;hwy W	1400	37 S6	80 oct. Twr E
NEW FACILITIES				
→ O'Neill (Nebr.)	2 NW;hwy N	2100	35 S6	80 oct.N,SE,S,SW blkd.
Janssen (Fulda, Minn)	5.5 SW	1500	21 S1	80 oct.
Fulda Mun (Minn)	0.5 NNW	1532	20 S4	80 oct.No sto.P-line S.
Hartley (Iowa)	7 SE;RR NE	1490	26	P-line SE.
Blue Mound Air Svc (LuVerne,Minn)	3 NNE;RR NW	1440	30 S2	80 oct.
Ida Grove Flying Svc (Ida Grove,Iowa)	2.5 SE;RR N	1100	20 S2	80 oct.
Ainsworth Mun (Nebr)	7.5 WNW;RR N	2580	73h L5 S6	80,91 oct.No sto.

S-Simul. Range and Voice. W-Without Voice Z-VHF Range Station Location Marker (3)-3105, 4495, 6210 kcs (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice (vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1 127.80, 140.50 mcs h-hard surfaced runways. R-radio facilities L-lighting facilities. S-servicing (see page XIII)→ NEW OR REVISED DATA (NC)-Not charted [Jones]-Airline Stop N.B Radio facilities are all CAPITALIZED Airports are indented and non-capitalized.



FACILITY	FREQ., IDENT ARPT LOCATION	BEAR & DIST. ELEV	CLASS	REMARKS FREQS GUARDED, HRS OF OPERATION
(P) Albert Lea (Minn)	2.3 N;RR E	1255	32 S6	80 oct.P-line N
Amboy (Minn)	1 NNE;RR W	1000	24 S2	80 oct.
Ames (Iowa)	2.5 SSW;RR NW	920	25 S6	80 oct Lgt acft only
Armstrong (Iowa)	3.2 NW;hwy S	1250	22 S1	Ltd 80 oct Trees E.
Bellevue (Iowa)	3.1 N;riv E	652	18 S1	80 oct. Rough
Blue Earth (Minn)	3 S;RR E	1111	26 S1	80 oct.Flares on req
(A) Camp McCoy (Wis)(A)	2 SSW	830	50	
(P) Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Canfield (Waterloo,Iowa)	3.5 NW;RR NE	900	32 S6	87 oct.P-line N.
Carroll (Iowa)	4.2 ESE;RR N	1196	34 S2	80 oct.
Chapman (Waterloo,Ia)	5 E;RR NW	870	33 S6	80 oct.P-lines S.
Clarion (Iowa)	1.1 NW	1162	27 S6	80 oct.
Clermont (Iowa)	0.8 S;riv W	900	21 S6	80 oct.P-line SE,NE.
→ Council (Iowa)	3 WNW;RR S			ABANDONED. Lgtd
Decker (Austin, Minn)	1.7 E;hwy N	1284	28 S6	80 oct.No sto.N,S,W
Dows (Iowa)	1.5 SSE;RR NE	1144	26 S2	80 oct. NW.
(P) Dubuque (Iowa)	1.9 NE;riv E	602	27 S6	80,91 oct.Poles S,SE.
Dyersville Awys (Ia)	0.8 S;RR NE	940	16 S1	80 oct.Pwr lines NW,
Elkader (Iowa)	1.1 ESE;RR S	915	19 S2	80 oct.P-line NW,NE, Rwy data unver.
(P) Emmetsburg(Estherville,Iowa)	2.5 NE;RR SW	1000	32 S6	80 oct.Poles NW,SE.
Erie (Ft. Dodge, Iowa)	3.5 E;hwy W	1128	27 S6	91 oct.
(P) Estherville (Iowa)	3.5 E;hwy S	1268	36 L S6	80 oct.Port rwy lgts. Poles SE,SW.
Fairmont (Minn)	3.1 S;hwy W	1190	25 L S1	80 oct P-line W.Flares
Goodrich & Gross (Strawberry Pt,Iowa)	3.5 W;RR NE	1200	19 S1	Ltd 80 oct. on req
→ Grundy Center (Iowa)	1.3 ENE;RR S			ABANDONED
→ Henry's (Floyd, Iowa)	8 NNE;RR W	1110	14 S1	ABANDONED
Independence (Iowa)	4.1 W;RR E	990	25 S2	80 oct.Poles N.
Iowa Falls (Iowa)	4.1 S;RR E	1140	24 S2	80 oct.
Jefferson (Iowa)	0.8 NNW;RR S	1052	25 S6	80 oct.No sto P-line N.
LA CROSSE Range (Wis)	371 (LSE) (116.1)	127° 1.8	88RAZ-DTV	(4); 118.1 No flood lgts.
(P) La Crosse (Wis)	5 NNW	653	53h L5 84	80,91 oct.Bat rivs.
La Crosse Int,21A, CG-Twin Cities(Wis)	8 NNW; RR NE	667	37 L3	Pole E.
Lake City (Iowa)	3.5 NNE;RR S	1200	26 S1	80 oct.
LONE ROCK Range (Wis)	278 (LSE) (116.1)	98°, 0.0	88RLZ-DTV	(4); 118.1
Lone Rock Int,18,CG-Twin Cities (Wis)	2 N;rd W,N	714	39 L3 82	80,91 oct. P-line NE

FACILITY	FREQ., IDENT ARPT LOCATION	BEAR & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
MASON CITY H Fac. (Ia)	227(MM)(U6J)		BHTV	(4);116.1,122.1(cont.)
(P) Mason City, (Iowa)	7 W;hwy S	1215	56h L5 S6	80,91,100 oct.Poles
Mosher (Riceville,Ia)	1 W;hwy S	1263		80 oct.P-line S. SSE. Data unver.
→ Niederhauser (Marshalltown, Iowa)	2.3 N;hwy E			ABANDONED
Pocahontas (Iowa)	0.8 E	1216	25	Pole line SW.
Red Rock(Darlington)	5 SE;RR E		12 S1	80 oct.Data unver.(Wis)
Richland Center (Wis)	6 SSE;hwy W		23 S1	80 oct.Trees E,S.Data
ROCHESTER Range (Minn)	236 (RR) (116.1)	350°, 2.6	BMRLZ-DTV	(3); 116.1 unver.
ROCHESTER Tower (Minn)	278 (116.7)		C	(4); 118.7,121.8
Rochester Mun (Minn)	1.7 SSE;RR W	1040	42h L4 S6	80,91 oct.P-line E,NW
Ryan (Emmetsburg,Ia)	1.3 W;RR N	1225	18 S2	80 oct.Trees NW.
Sac City (Iowa)	3 SSE;riv W	1160	19 S2	80 oct.
Saxon (Cedar Rapids,Ia)	7 NE;hwy S	880	26 S6	75 oct.P-line N
Sherburn (Minn)	2 WNW;RRs S,E	1300	21 S2	80 oct.Pwr line ESE.
→ Shullsburg (Wis)	1.1 S	1080	17 S6	80 oct.Trees SW
Sparta-Angelo (Wis)	2.2 NE;RR E	800	25 S4	80 oct.Poles gar Otd.
Squeeze (Algona,Iowa)	5 S;riv S	1201	26 S2	80 oct.P-line SW,W.
Tatro Fly Svc.(Decorah)	2.6 NW;riv W	918	26 S2	80 oct. (Iowa)
Tomah (Wis)	1 E;hwy S.	970	18 S4	80 oct, 150' hill E
Traer (Iowa)	1 ENE;RR SW	895	16 S2	80 oct.P-line E.
Tri-Mont (Triumph)	0.9 S;RR W,E	1250	24 S1	80 oct. (Minn)
(P) Waterloo (Iowa)	4 NW;RR S,E		54h L6 81	80,91 oct Data unver No flood lgts.
Webster City (Iowa)	3.3 SW;riv E	1100	26 S4	80 oct. No sto.
Wesley (Iowa)	1.5 E;RR N	1250	31 S1	80 oct.P-line N,S.
Wicks (Garner, Iowa)	1.8 NW;RR S	1230	26 S2	80 oct.Poles NW,SW.
Jackson (Minn)	2 N	1440	28 S2	80 oct.E-line S.
Charles City (Iowa)	3.3 E;RR S	1080	28 S2	80 oct.P-lines N,S,SW,NW.
Eco (Mason City,Iowa)	2.5 ESE;riv S	1215	28 S6	80 oct.P-line N,NW.
Oelwein (Iowa)	3 W	1050	28 S6	80 oct.P-line N,W.
Niederhauser (Marshalltown,Iowa)	4 N;hwy E	900	32 S6	80,91 oct.No sto.P-line N,W.
Marshall Fld (Marshalltown,Ia)	3 E	890	S6	80 oct.Data unver
→ Lancaster Flying Service (Wisc.)	1.8 ENE;RR SW	1110	24 S6	80 oct.Fallen trees SE.
→ Mauston(Femoonwir,	2 SE;RR N	880	16 S1	T'lsc.) 80 oct.N bldg.
→ Boscobel (Wisc.)	2 NE;RR S	670	27 S1	80 oct.Bluffs NNE,SE,NW.
Castle Rock (Wonewoc,	1.1 NNW;RR S	960	16 S1	80 oct.P-line NE.SW.(Wisc)
Tucker Fly. Service (New Lisbon,Wisc)	1.6 NNW;riv E	880	12 S1	80 oct.Trees E.
Platte(Platteville,Wisc)	3.1 E;RR K	1160	22 S2	80 oct.P-line NE,SW.

RADIO: S - Short Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3000, 4000, 6000 feet. (4) - 3000, 4000, 6000, 8017.5 feet. Transmitted Numbers in Frequency Column Indicate VHF Voice. (4h) - Voice on 134.1 and 141.1 mcs. + - Army A.C.S. transmits on and guards 124.1, 127.65, 149.25 mcs. ● A.A.C.S. Scheduled Broadcast on 4585 kcs. (First Figure is Scheduled time, Second Alternate time)

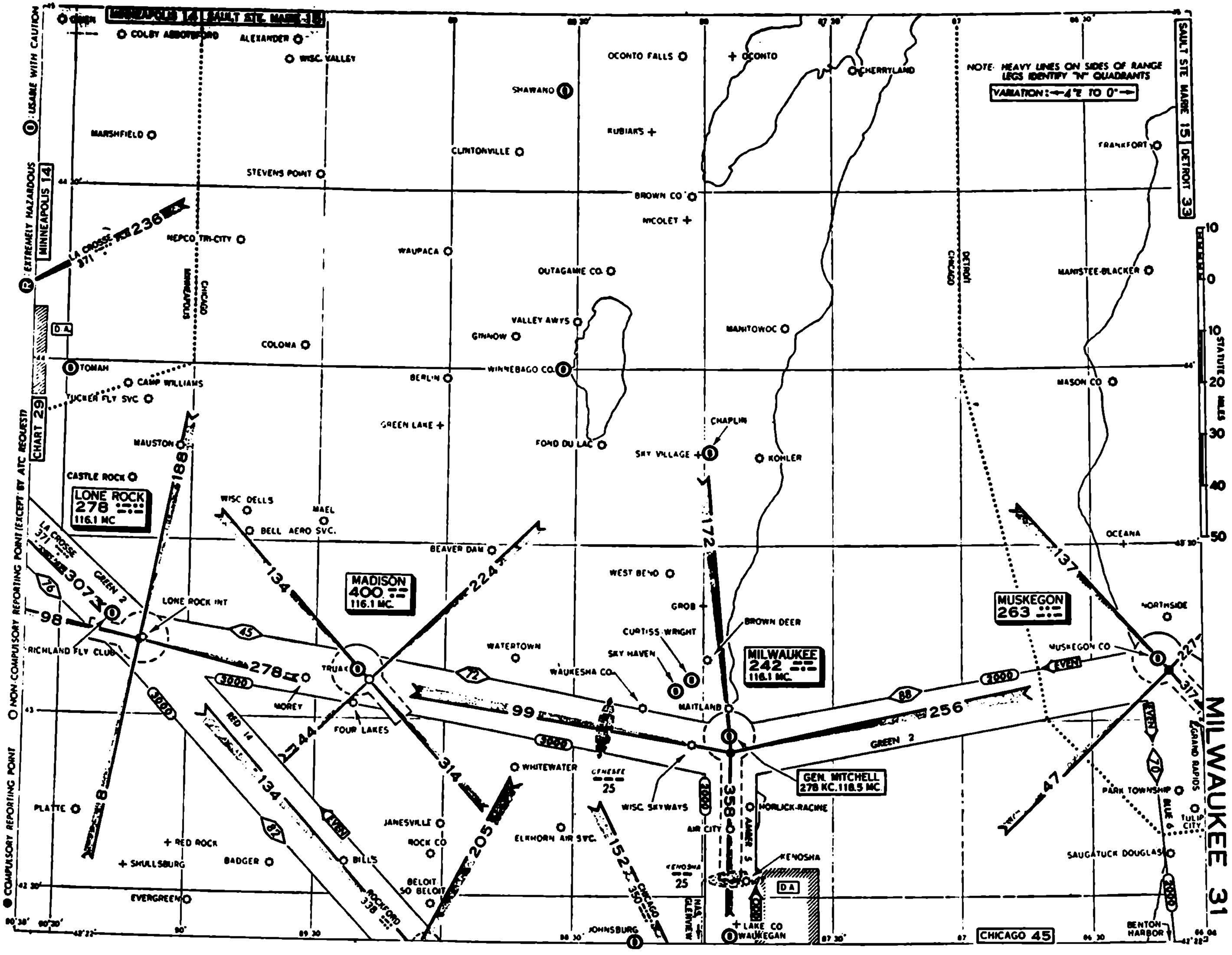
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → - New or revised data. [Parent] - Airline Stop. R.B. Radio facilities are all CAPITALIZED. Airports are underlined and non-capitalized.

MILWAUKEE

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Air City (Sturtevant, Wis)	0.6 SE;hwy N	633	26 S6	80,91 oct.P-line NW Const. on strips.
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct. Lgts prior req.
Badger (Monroe, Wis)	1.8 SW;RR N	1080	20 S4	80 oct. Fense S,W.Hwy E
Beaver Dam Inc. (Wis)	1.7 W;lake N,E	910	20 S4	80 oct.
Bell-Aero Service (Baraboo. Wis)	4 NNW;hwy W	980	21 S1	80 oct. N/S strip rough.
Beloit-S. Beloit (South Beloit. Ill)	1 S;RR E	772	33 S6	80,91 oct. Hill NE.
Bill's (Broadhead, Wis)	1.8 S;hwy S	780	24 S2	80 oct. SE blocked.
Brown Co.(Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct.E,ESE,SE blocked.
Brown Deer (Milwaukee,Wis)	10 NNW;RR E	681	25 S6	80 oct. P-lines N.
Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Chaplin Arpk (Plymouth,Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P) Clintonville (Wis)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blocked. Pwr line NE,SW, W.
Colby-Abbotsford(Colby,Wis)	1.2 NNW;RR E	1400	26 S2	80 oct.P-line NNE.
Curtis-Wright (Milwaukee,Wis)	9 NW;riv W	750	27 S6	80,91 oct.NE,E blkd.Hi-line N.
➸ East Side (Green Bay, Wis)	1.8 SE;RR S			ABANDONED
Elkhorn Air Service (Wis)	1.5 N;hwy E	1000	21 S6	80 oct. Rough and rolling. P-line E, W.
[(Warren,Ill.)				
Evergreen Flying Club	1.4 SSE;hwy W	1000	26	PRIVATE
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct.P-line N,NE,NW SE blocked.
Four Lakes (Madison, Wis)	3 SSE;lake N	881	25 S6	80 oct. P-line W.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GENERAL MITCHELL Tower	278 (118.5)		C	(4); 118.5, 122.5
(P) [General Mitchell] (Milwaukee, Wis)	6 S;RR E	676	50h L4 S6	80,91,100 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Rough
Green Lake (Wis)	4 W;hwy S	990	22 S1	80 oct. Data unver.
Grob (Cedarburg, Wis)	2 N	875	24 S4	Data unver.
Horlock-Racine (Racine,Wis)	2 N;RRs E,W	665	25h L1 S6	80,91 oct.Trees N,SE.
Janesville City (Janesville, Wis).	1.8 NNE;RRs NW	880	26 S6	80,91 oct. 51' twr SE: p-line E.
➸ Jefferson (Wis)	1.7 WSW;riv E			ABANDONED.
Johnsburg Arpk (Ill)	0.4 SSW;riv S	740	20 S4	80 oct. P-line NNW.
Kenosha (Wis)	2 S;RR W	623	29 L S6	80,91 oct. Flood lgts. P-line SW, NW.
(P) Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct. SE blocked.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Data unver.
Lake Co. (Waukegan, Ill)	4.4 NNW	718	40 S6	80,91 oct. Data unver.
LONE ROCK Range (Wis)	278(LK)(116.1)	98°,0.0	BMLZ-DTV	(4); 116.1
★ Lone Rock Int.15.CG-Twin ➸ Cities (Wis)	2 N;rd W,N	714	39 L3 S2	80,91 oct. No flood lgts. P-line NE.
MADISON Range (Truax)(Wis)	400(MA)(116.1)	314°,2.6	BMLZ-DTV	(4); 116.1
Mael (Portage, Wis)	1.6 NW;lake SE	820	26 S6	80 oct.Obsts sur fld.
Maitland (Milwaukee, Wis)	3 ESE;lake E	590	25 S6	73,80,91 oct.Stack S.
MILWAUKEE Range (General Mitchell)(Wis)	242(MK)(116.1)	352°,2.5	SBRAZ-DTV	(3); 116.1
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct. P-line W,SW SSE.Bndry lgts inop.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 L S6	80 oct.Flare pots in emerg
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
Morey (Madison, Wis)	2 NNW;hwy E	928	33 S6	80 oct.S blkd.Trees NW.
MUSKEGON Range (Muskegon Co.) (Mich)	263(UK)	317°,2.8	BMRLZ-DT	(4)
(P) [Muskegon Co.] (Mich.)	3.5 S;lake N	627	40h L3 S6	80,91 oct.Bldg NE.Bndry lgts on req only.
Nepco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts prior req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct. P-line E,W Data unver.
Oconto Falls (Wis)	2.7 ENE;RR S	600	20 S2	80 oct. P-line N.
Outagamie Co. (Appleton,Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
Park Township (Holland. Mich)	3 WNW;bay S	612	27 L4 S6	73,80 oct No bcn. Lgts prior req.
Red Rock (Darlington,Wis)	5 SE;RR E		12 S1	80 oct. Data unver.
Richland Fly. Club (Sextonville,Wisc)	0.2 NW;riv W	724	23 S2	80 oct.Pole W. Trees E,SSE.
(P) Rock Co. (Janesville, Wis)	4.5 SSW;RR W	807	54h L5 S2	80, 91 oct.
Saugatuck-Douglas (Douglas. Mich)	1.8 S;hwy W	670	26 S2	80 oct. W blkd.
Shawano (Wis)	2.3 ENE;lake NE	813	40 L S6	80,91 oct. Poles SW.Lgts prior req.Rnwy data unv.
Shullsburg (Wis)	0.5 S	1000	18 S1	80 oct. Trees SW.Data unver.
Skyhaven (Milwaukee,Wis)	10.5 WNW;hwy N	800	25 S6	80 oct. P-line N Trees E,S; hill W.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
(A) [Truax] (Madison, Wis)	5 NE;hwy E	859	60h L5 S6	80, 91 oct. ARMY TEMP INACT. CIVIL FACS.
Valley Airways (Neenah,Wis)	4 SSW;RR E	750	21 S2	80 oct.P-line E.Data unver.
Watertown (Wis)	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
Waukegan (Ill)	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Waukesha Co. (Wis)	1.8 N;hwy NE	904	31 S6	80,91 oct. S, NW blkd.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
➸ Waupun (Wis)	3.5 W;hwy SE			ABANDONED
West Bend Fly.Svc. (Wis)	2.5 E;riv S	880	21 L3 S6	80 oct. Fld lgts prior req Poles sur fld.N,NE,NW
Whitewater (Wis)	2 N;RR S	810	22 S5	80 oct. P-line blkd. ESE. E,ENE blkd.
(P) Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.No sto.P-line NE N,W.Rnwy data unver.
Wisconsin Dells-Lake Delton (Lake Delton, Wis)	0.8 SE;riv NW	910	24 S6	80,91 oct.P-line SE.
Wisconsin Skyways (Hales Corner, Wis)	0.7 SSE;hwy W	770	21 S2	80 oct. Trees SW.
Wisconsin Valley (Rothschild)	2 S;RR,hwy W	1180	30 S4	80 oct,P-line N,NW.
NEW FACILITIES				
Northside (Muskegon,Mich)	5.4 NNE	590	29 S4	73 oct No sto Refinery SW
Oceana (Rothbury, Mich)	1 2W;hwy E		30 S1	80 oct.
Oconto Mun. (Wisc)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver.
Tomah (Wisc)	1 E;hwy S	970	18 S4	80 oct.180' hill E
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy W
➸ Castle Rock(Wonewoc,Wisc.)	1.1 NNW;RR S	960	19 S2	80 oct,P-line N,S.Trees W.
Tucker Fly. Service (New Lisbon,Wisc.)	1.6 NNW;riv E	880	15 S1	80 oct,Trees E.
Platte (Platteville,Wisc.)	3.1 E;RR E	1100	22 S2	80 oct,P-line NE,SW.Trees S,SE.
Coloma (Wisc.)	3.0 NW;hwy E	1065	26 S2	80 oct,N,S blkd.
Berlin (Wisc.)	2.9 W;hwy S	780	20 S1	80 oct,SE blkd,P-line SW.
Owen (Wis)	0.7 NE;RR,hwy S	1279		80 oct.P-line N,NE,SW,W,NW
Mauston (Lemonweir,Wisc)	2 W;RR N	880	15 S1	80 oct,N blkd.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
➸ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


MINNEAPOLIS 14
SAULT STE. MARIE 15
DETROIT 33
CHICAGO 45
MILWAUKEE 31
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 0°
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
COLBY ABBOTSFORD
ALEXANDER
WISC. VALLEY
OCONTO FALLS
OCONTO
CHERRYLAND
SHAWANO
RUBIAR'S
MARSHFIELD
CLINTONVILLE
FRANKFORT
STEVENS POINT
BROWN CO
NICOLET
LA CROSSE 271
NEPCO TRI-CITY
WAUPACA
OUTAGAMIE CO
MANISTEE-BLACKER
VALLEY AWYS
GNADOW
COLOMA
MANITOWOC
TOMAH
CAMP WILLIAMS
WINNEBAGO CO
BERLIN
MASON CO
TUCKER FLY SVC
GREEN LAKE
CHAPLIN
MAUSTON
FOND DU LAC
SKY VILLAGE
KOHLER
CASTLE ROCK
LONE ROCK 278 116.1 MC
WISC DELLS
MAEL
BELL AERO SVC.
BEAVER DAM
OCEANA
MADISON 400 116.1 MC.
WEST BEND
GROB
MUSKEGON 263
NORTHSIDE
LONE ROCK INT
BROWN DEER
CURTISS WRIGHT
MILWAUKEE 242 116.1 MC.
WATERTOWN
SKY HAVEN
MUSKEGON CO
RICHLAND FLY CLUB
WAUKESHA CO
MAITLAND
TRUAX
MOREY
FOUR LAKES
WHITEWATER
GENESEE 25
GEN. MITCHELL 278 KC. 118.5 MC
WISC SKYWAYS
MORLICK-RACINE
PARK TOWNSHIP
GRAND RAPIDS
TULIP CITY
PLATTE
JANESVILLE
ROCK CO
ELKHORN AIR SVC.
AIR CITY
KENOSHA
KENOSHA 25
SAUGATUCK DOUGLAS
RED ROCK
SHULLSBURG
BADGER
BILLS
BELOIT
SO BELOIT
EVERGREEN
JOHNSBURG
NAS GLENVIEW
LAKE CO WAUKEGAN
BENTON HARBOR
DA
GREEN 2
RED 14
BLUE 6
AMBER 5
CHICAGO
DETROIT
MINNEAPOLIS
307
98
278
134
188
224
172
137
99
256
44
314
205
152
350
358
47
227
317
338
3000

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Abrams (Grand Ledge, Mich)	1.5 NE	844	26 S2	80 oct.S,W blkd.Trees E.
Allegan (Mich)	1.9 E; RR S	701	21 S4	80 oct.P-line SE Trees NW.
Allen's (Pontiac, Mich)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW;SW blkd.
(P) Alma (Mich)	1.3 NE;riv SE	750	32 S4	80 oct. Tanks S.
Au Gres (Mich)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW. NW blkd.
Austin Lake (Kalamazoo,Mich)	8.5 SSE;lake N	860	27 S4	80 oct.Poles N.Trees E,S,W
Aviation Co.Club(Galesburg)	1.8 WSW;lake S	800	10 S1	80 oct.Trees NE,NW (Mich)
Baker's (Port Huron, Mich)	3 NNW;riv N,E	585	26 S6	80 oct. Poles NW,N,S,SW
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct.Trees NE blkd.
Bangor (Breedsville, Mich)	0.6 WNW;RR E	654	18 S4	80 oct.N blkd.Trees S.
Barry (Saginaw, Mich)	3 WSW;riv S	599	19 S4	80 oct.
BATTLE CREEK Range(Kellogg)	272(JC)(116.1)	3°, 3.2	BMLZ-DTV	(4); 116.1 (Mich)
→ Beach (Charlotte, Mich)	1.8 ENE;RR NW	880	25 S6	80 oct.
Belding Fliers Inc. (Mich)	2.1 W;RR E	790	27 S6	80 oct.S blkd.Trees W,NE.
BISHOP Tower (Mich)	278 (118.3)		C	(4); 118.3, 122.5
(P) [Bishop] (Flint, Mich)	4 SSW;hwy N	781	50h L5 S6	80, 91 oct. Trees N,NE.
Brooks (Marshall, Mich)	1.3 S;hwy W	950	26 L3 S6	80 oct.P-line SW,W
CADILLAC H Fac.(Int)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac,23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
(P) [Capital City] (Lansing,Mich)	3.8 NW;RR S	857	42h L4 S6	73,80 oct.
Caro (Mich)	3 WSW;RR SE	741	22 S2	80 oct.S,SE blkd.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct.P-line N.
Croswell City (Mich)	1 W;RR,riv E	732	26 S1	80 oct. S blkd.
Dalton (Flushing, Mich)	2.2 E;riv 0.8 SW	735	26 S4	80 oct.N,S appchs blkd.
DETROIT H Fac (Mich)	338(D)	320°,2.2	MHW	(Cont.) Detroit
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-caution.
Elsie (Mich)	0.3 SSE;RR NNE	730	19 S2	80 oct. Bldg W.
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S.
→ FLINT H Fac. (Mich)	335(FN)(116.1)		MHTV	(3);116.1,122.1
Forrest (Fostoria, Mich)	3.4 S;riv SE	830	24 S1	80 oct.P-line sur fld.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GLADWIN H Fac. (Mich)	257 (GU		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND RAPIDS Range (Kent Co)	329(GR)(116.1)	303°,2.0	BMRLZ-DTV	(4); 116.1 (Mich)
Grand River Arpk (Comstock Park, Mich)	0.4 SW;riv E	614	30 S2	Fuel & sto P-lines S, N.
Greenville (Mich)	2.5 S;RR E	800	22 S2	80 oct.Poles W,NE,E
Harbor Beach (Mich)	2.5 W;rd S	670	20 L S2	80 oct.Floods prior req Poles SE,NE
Harrison (Mich)	2.3 NNW;hwy E	1100	26 S2	80 oct.S blkd.Ctn-rough
Hastings (Mich)	3.2 WNW;RR SW	802	34 S6	80 oct. P-line N. Trees sur fld
Houghton Lake (Houghton Hgts)	1.2 WNW;lk NNE	1150	27 S2	73,80 oct.Rdo twr W,N lgtd.
Howell (Mich)	0.8 N;lake E	930	20 L1 S1	80 oct.
Ionia (Mich)	3 S;hwy W	810	24 S6	80 oct. Poles W.
Jack Barstow (Midland,Mich)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct.Bcn prior req.(Mich)
JACKSON H Fac. (Mich)	257 (JN)		MHT	(4)
Jewett (Mason, Mich)	1.3 SE;RR W	920	22 S2	73 oct. Poles W.
Johnson's (Ithaca, Mich)	1 ENE;RR S	750	17 S2	80 oct. Ltd sto.
(P) [Kellogg] (Battle Creek,Mich)	3 WSW;RR bcd W	936	62h L5 S6	80-100 oct.Lgts on req
(P) [Kent Co.] (Grand Rapids,Mich)	3.5 S;RR NE	681	44h L3 S6	80,91 oct.Obst sur fld.Rdo
Lakeview (Mich)	1.1 NNE;lake S	900	19 S6	80 oct.Trees N,E,NW.Trees
LANSING Range (Capital City)	206(LJ)(116.1)	280°,3.0	SBMRAZ-DTV	(4):116.1 (Mich)
(P) Lapeer (Mich)	2.4 ENE;RR S	830	34 S6	80 oct.Poles NW;bldg W,S
La Porte (W.Branch,Mich)	6 SE;RR W	890	26	P-line NW.Trees NE,SW
Leach (Hartford, Mich)	1 NNW;RR E	664	26 S5	80 oct.
(P) Lindbergh (Kalamazoo,Mich)	3 W;RR W	872	40h S6	80,91 oct.P-line SE,S.
Maple Rapids (Mich)	0.7 ESE;riv N	760	21 S2	80 oct.Obst sur fld,Ctn soft.
Marks (Lawton, Mich)	1 N; RR S	770	25 S5	80 oct. Poles W, ENE.
(P) Mecosta Co.,5,GR-TG (Big Rapids, Mich)	1.5 NW;RR E	928	39 L3 S4	80 oct. Pole SE
Miller (Eaton Rapids,Mich)	1 ENE;riv W	908	21 S1	80 oct.
Mt. Pleasant (Mich)	2.2 NE;riv N	755	36 S4	80 oct.E,SE,SW,W,NW blkd
MUSKEGON Range (Muskegon Co)	263 (UK)	317°,2.8	BMRLZ-DT	(4) (Mich)
Newaygo (Mich)	0.8 SSE;hwy W	785	20 S5	80 oct. Trees S.
Northside (Muskegon,Mich)	5.4 NNE	598	29 S4	80 oct. All appchs blkd. Ctn-use strips.
(A) Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Park Twnship (Holland,Mich)	3 WNW;bay S	612	27 L4 S6	80 oct No bcn.Lgts prior req. Poles S,SE,W.
Paw Paw (Mich)	2 N;riv E		26 S3	80 oct. Data unver.
Pontiac (Mich)	6.4 WNW	970	21h L4 S6	80,91 oct.
(P) Reynolds (Jackson, Mich)	2.5 WNW;RR S	990	40h L5 S6	80,91 oct.P-line SE,S.Lgts on req
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1
Roscommon (Mich)	2.5 SE;RR NE	1100	42	P-line S.
Roscommon Co.(Prudinville)	4.5 N;riv N	1150	24	Trees sur fld. (Mich)
SAGINAW H Fac. (Mich)	212 (SI)		MHT	(4)(cont)
Saginaw (Mich)	4.5 E;RR N,S	601	33 L4 S6	80 oct.P-line S,SE,SW. Lgts on req.,Trees NW,NE
St. Clair Co.(Port Huron,Mich)	5.5 SW;hwy S	650	23 L1 S5	80 oct.Poles NE,SE,SW
St. Helen (Mich)	0.9 SE;RR NE	1153	26	
Saugatuck-Douglas (Douglas, Mich)	2 S;hwy W		26 S1	73 oct. Data unver.
Seely's (Davison, Mich)	4 WSW;RR N	780	20 S6	80 oct.N,NE blkd.
SELFRIDGE Army Range (Mt. Clemens, Mich)	388 (DLD)	119°,1.2	SBMRAZ	(3); 126.18
SELFRIDGE Tower (Mich)	396 (126.18)+		CA (ILS-W)	(3) only.
(A) Selfridge (Mt.Clemens,Mich) (A)	3 E;lake NE	583	60h L5 S6	73,100 oct.IP-1.Poles E FOREIGN CLEAR.STN.
Shiawassee Co.(Owosso,Mich)	2 E;riv S;RR W	740	24 S2	80 oct. Poles sur fld.
Skyhaven (Saginaw,Mich)	2 NNW;riv E	600	29 S2	80 oct. Trees NE
Sparta (Mich)	2.7 SE;RR W	752	25 S6	80 oct Trees SE.
Timbers Sky Camp (S.Branch)	0.2 NE;riv E	950	24 S1	80 oct (Mich)
(P) [Tri-City] (Saginaw,Mich)	10 NW;RR SW	660	57h	"SVC & L6 LGTS FOR PCA
West's (Clio, Mich)	4 SW;rd E	690	21 S2	80 oct. ONLY"
White Cloud (Mich)	0.5 N	872	18	Twr SE P-lines NE,SW
Wings (Utica, Mich)	2.5 SW;RR E	630	23 S1	73 oct N,NE blkd

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

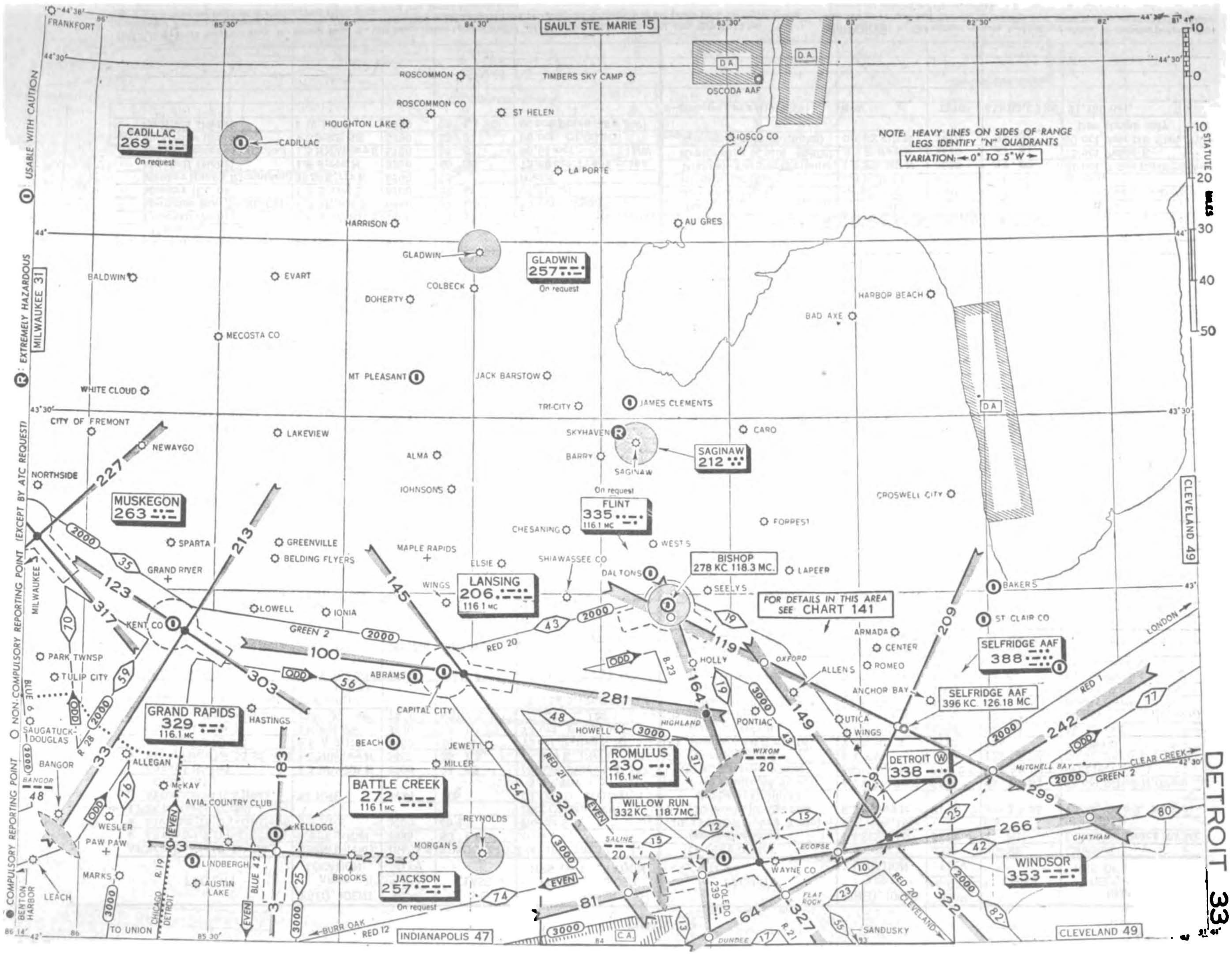
LOCATION	LC	LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
SELFRIDGE (A)	109.5		332.6	184°	IM- (0.23) MM- ••••• (0.83) OM- — — (4.31)
					MMK- OMK-
WILLOW RUN				50°	IM- MM- OM-
					MMA-341 ▬ (0.65) OMK-359 •▬▬ (5.80)

NEW FACILITIES

Utica (Mich)	2.7 WNW;hwy S	710	20 S1	Ltd 80 oct.P-line N,W,SE Soft
Romeo (Mich)	2 ESE;lake E	730	30 S1	80 oct N blkd Poles RR N.
(NG) Wayne Co. (Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct 1-ech main NG ARPT OF ENTRY
(P) [Willow Run] (Ypsilanti)	4.5 E;riv S	715	74h L5 S1	RR N (Mich)
→ Anchor Bay (New Baltimore)	0.5 NNE	615	25 S2	80 oct Trees sur fld (Mich)
Armada (Mich)	3 NNE;RR 0.8 N	680	26 S2	80 oct S,W blkd Trees E
Bad Axe (Mich)	1.2 SW	760	22 S2	80 oct.P-line NE,SE Twr
Chesaning (Mich)	0.8 W;hwy NE	639	24 S1	80 oct P-line E,S NW
City of Fremont/Fremont,Mich	2.8 SW;RR NW	800	30 S1	80 oct Poles S,NW Trees SW NE,SE
Holly (Mich)	1 NW;lk E;RR S	913	20 S2	80 oct Trees NE,W,S
Iosco Co.(E.Tawas,Mich)	1 N;lake 0.5 N	597	19	P-line W
Knapp (New Hudson,Mich)	0.5 SW;RR SE	947	25 S1	80 oct N blkd
Lowell (Mich)	1.3 N;riv SE	700	18	Trees NW
McKay(Plainwell,Mich)	1.5 W;riv N	732	26 S2	80 oct Trees N,S,SW
Morgan's(Albion, Mich)	2.2 E;hwy N	965	21 S6	80 oct P-line N Trees NE,
Wesler (Gobles,Mich)	0.6 SSW;hwy E	690	24 S2	73,80 oct E blkd S,SW P-line N Tree W
Tawas City (Mich)	1 WSW;rd S	595	19 S1	80 oct.P-lines S,SE,SW
WINDSOR Range (Ont.Can.)	353(CG)	243°,3.3	SBRAZ-T	3105,6210,3117.5
WILLOW RUN Tower (Mich)	332(118.7)		C(ILS-W)	(4):118.7
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line N,S Hwy
Wings (St.Johns,Mich)	2.7 SW;RR N	760	71 S1	80 oct.Trees SE,NE.
→ Richmond Fld (Gregory,Mich.)	1.7 SE;lk E	920	23 S2	80 oct.Trees N,ESE.

RADIO: S – Simul. Range and Voice: W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→ New or revised data. (Jones) – Airline Stop. N. B. Radio facilities are all CAPITALIZED
Airports are indented and non-capitalized.


SAULT STE. MARIE 15
FRANKFORT
ROSCOMMON
TIMBERS SKY CAMP
OSCODA AAF
D.A.
ROSCOMMON CO
ST HELEN
HOUGHTON LAKE
CADILLAC
269
On request
CADILLAC
IOSCO CO
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 5°W
LA PORTE
HARRISON
AU GRES
GLADWIN
257
On request
GLADWIN
BALDWIN
EVART
COLBECK
DOHERTY
HARBOR BEACH
BAD AXE
MECOSTA CO
MILWAUKEE 31
MT PLEASANT
JACK BARSTOW
JAMES CLEMENTS
WHITE CLOUD
TRI-CITY
CITY OF FREMONT
LAKEVIEW
SKYHAVEN
CARO
NEWAYGO
ALMA
BARRY
SAGINAW
SAGINAW
212
NORTHSIDE
JOHNSONS
On request
FLINT
335
116.1 MC
CROSWELL CITY
MUSKEGON
263
CHESANING
FORREST
SPARTA
GREENVILLE
BELDING FLYERS
MAPLE RAPIDS
WEST S
ELSIE
SHIAWASSEE CO
BISHOP
278 KC 118.3 MC.
DALTONS
LAPEER
GRAND RIVER
WINGS
LANSING
206
116.1 MC
SEELYS
FOR DETAILS IN THIS AREA SEE CHART 141
LOWELL
IONIA
BAKERS
ARMADA
ST CLAIR CO
CENTER
SELFRIDGE AAF
388
PARK TWNSP
TULIP CITY
KENT CO
ABRAMS
CAPITAL CITY
HOLLY
OXFORD
ALLENS
ROMEO
ANCHOR BAY
SELFRIDGE AAF
396 KC 126.18 MC
GRAND RAPIDS
329
116.1 MC
HASTINGS
HOWELL
HIGHLAND
PONTIAC
UTICA
WINGS
SAUGATUCK-DOUGLAS
BEACH
JEWETT
MILLER
ROMULUS
230
116.1 MC
DETROIT W
338
BANGOR
ALLEGAN
WIXOM
MITCHELL BAY
CLEAR CREEK
BATTLE CREEK
272
116.1 MC
McKAY
AVIA. COUNTRY CLUB
KELLOGG
REYNOLDS
WILLOW RUN
332 KC 118.7MC.
WESLER
PAW PAW
MORGANS
ECORSE
WAYNE CO
WINDSOR
353
LINDBERGH
MARKS
AUSTIN LAKE
BROOKS
JACKSON
257
On request
SALINE
FLAT ROCK
CHATHAM
LEACH
TOLEDO
239
SANDUSKY
BENTON HARBOR
TO UNION
BURR OAK
INDIANAPOLIS 47
DUNDEE
CLEVELAND 49
DETROIT 33
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
STATUTE MILES
CLEVELAND 49

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR & DIST. ELEV.	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
AKRON Range (Colo) (Int.)	368(RN)(vhf)	154°,3.6	SBMRAZ-DTV	(4);116.1,122.1
★ Akron Int,9,DV-GI(Colo)	3.9 SE;RR N	4585	53 L3	Poles E.
★ Alvin Int,15,DV-GI(Colo)	3.5 NNE	3600	40 L2	Roads S,N.
→ ANTON Range (Colo)				DECOMMISSIONED
(A) Arlington #4 (La Junta, Colo) (A)	28 NNE	4424	70h	CLOSED Arlington 3.3 WNW.
Bayard (Nebr)	1.3 SSW;RR N	3760	25 S2	No fuel. Poles N,E,NW.
★ Big Springs Int,55,SL-OH	3 WNW;hwy N	3605	35 L3	P-line E. (Nebr). SE.
Burlington (Colo)	0.5 W;RR S	4160	38 S2	73 oct. P-line N,NE,SE.
Chappell (Nebr)	3 E;RR SW	3830	26 L1 S2	73 oct. P-line W,S,NW
CHEYENNE Range (Wyo)	326(CX)(vhf)	75°,0.9	SBRAZ-DTV	(3); 116.1, 122.1
CHEYENNE Tower (Wyo)	278(126.18, 118.3)		C	(4);118.3,126.18,122.5
(NG) [Cheyenne] (Wyo)	1 N;lakes WNW	6156	79h L6 S6	80,91 oct.;73,91,100 oct. for Army 80,100 oct,2-ech maint NG.
COLORADO SPRINGS Range (Peterson) (Colo)	224 (CD)	166°,3.9	MRLWZ	Poles W
(P) Craig (Colo)	1.8 SE;riv N	6300	51 S6	80, 91 oct.
Cress (Westcliffe,Colo)	6 NW	8000	30 S1	80 oct.
DENVER Range (Stapleton) (Colo)	379(DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER Range (Stapleton) (Colo)	109.1(DV) (vhf)	211°, 9.7	VAR-DTXV	(3);116.1,122.1
Doughty's (Julesburg)	12 ESE	3600	18	PRIV Use in emerg
Douglas (Akron,Colo)	0.8 N	4400	28 S1	73 oct. (Colo)
Eads (Colo)	1.3 WSW;RR N	4210	42 S6	80 oct. P-line NE,N.
EAGLE Range (Colo) (6 mi ENE Eagle)	108.3 (EQ) (vhf)		BVAR-DTV	3105,3117.5; 116.1, 122.1
Eagle (Colo)	4.5 WSW;RR N	6496	38	
Estes Park (Colo)	2 SE;riv N	7635	30	Closed till June 1947
Flagler (Colo)	0.8 S;hwy N	4975	40 S4	80 oct. P-line E,NE,SE.
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	36 L1 S6	73,80,91 oct. (Colo.)
Fremont Co. (Canon City, Colo)	6.9 E;riv S	5350	49 S2	80 oct. Rnwy data unver.
→ General Brees (Laramie)	See Brees Field under "New Facilities" - name changed.			
Glenwood Sprgs. (Colo)	2 S	5900	31 S4	73 oct.
Granby (Colo)	1 ENE;hwy S	8200	39 S2	80 oct.
Gregg (Pueblo, Colo)	6 N;RR,hwy E	5000	57 S4	80 oct.
Holyoke (Colo)	1.8 ESE	3720	35 S4	80 oct. RR NW.
Hugo (Colo)	1.5 E;hwy S	5034	26 S1	80 oct.
Idle Acres (Potter,Nebr)	11.8 N;hwy N	4630'	21 S4	80 oct. P-line W. Data unver.
Julesburg (Colo)	2.8 SW;hwy W	3490	24 S6	80 oct. (Colo)
LA JUNTA Range (AAF)	281(LH)(116.1)	194°,2.6	SBMRLZ-DTV	(4);116.1,122.1
LARAMIE Range (General Brees) (Wyo)	245(LR)(vhf)	137°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Las Animas (La Junta, Colo) (A)	19 NE	4119	70h	CLSD. Las Animas 5.9 mi SSE.
Lorenzo (Nebr)	0.6 WNW;RR E	4400	17 S1	Ltd 73 oct. Cattle on fld.
Medicine Bow,31,SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct. (Wyo.)
Meeker (Colo)	1.3 E;hwy S	6300	36 S1	80,91 oct.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	(Colo)
Mitchell (Nebr)	1.6 S;riv N	3950	40 S6	73,80 oct. Trees, poles
Montrose (new) (Colo.)	1.5 NNW;hwy S	5780	58 S2	80,91 oct. NW.
→ Montrose (Colo)	1.3 S;RR NE	5800	33 S4	80 oct. CLOSED
Ogallala (Nebr)	2 W;RR S	3250	26 L1 S6	80 oct. Poles S,SE,SW
Ordway (Colo)	0.9 S;RR N	4300	40 S2	Caution.
Oshkosk (Nebr)	1.8 SE;riv S	3375	21 S1	Ltd 80 oct. Poles NW,NE
PETERSON Tower (Colo)	272 (126.18)		CA	(4);126.18
(A) [Peterson] (Colorado Springs, Colo) (A)	6.3 E;hwy N	6170	85h L5 S6	73,91,100 oct. No sto.
(P) Pine Bluffs,44,SL-OH	4.2 WSW;RR S	5128	48 L3 S2	73 oct. P-line N. (Wyo)
PUEBLO Range (Colo)	302(PU)(vhf)	340°,2.0	SBRAZ-DTV	(4);116.1,122.1
(P) [Pueblo] (Colo)	2.1 SW	4853	53h L5 S6	80,91,100 oct. E blkd.
(A) Pueblo AAB (Colo) (A)	7 NE;RR S	4712	88h	CLOSED.
Rawlins (Wyo)	2.3 NE;RR I S	6780	52 S4	80, 91 oct.
(P) Rifle (Colo)	3.3 E;riv N	5400	42 S2	80 oct. (Colo.)
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 mi S.
Roderick (Lindon,Colo)	4.3 N;riv .5 E	4900	26 S1	73 oct. Emerg only.
Royal Gorge (Canon City, Colo)	6.4 NW;hwy N	6320	26 S4	91 oct. Do not land N or S. P-line N.
(P) Saguache (Colo)	2 W;hwy NE	7700	48 S1	80 oct.
St. Francis (Kans)	1 SSE;riv NW	3400	35 S2	80 oct.
Salida (Colo)	4 W;RR S	7500	36 S4	80 oct. Trees W,
Saratoga Mun. (Wyo)	0.7 SSW;hwy E	6900	47 S1	80 oct. P-line ESE.
→ Schwartz-Johnson (Sidney, Nebr)	1.6 SSE;RR N			ABANDONED
SCOTTSBLUFF Range (Nebr)	341(TF)(116.1)	301°,3.1	SBMRLZ-DTV	(4);116.1,122.1
(P) [Scottsbluff] (Nebr)	3.3 E;hwy S	3945	82h L5 S1	80,91 oct. Lgts on req.
Sharon Springs (Kans)	1.2 NW;RR S	3500	32 S1	80 oct. P-line E.
SIDNEY H Fac. (Nebr)	314(SD)(116.1)	350°,0.0	BH-DTV	(4);116.1,122.1
★ Sidney Int,50,SL-OH	3 W;RR N	4132	36 L3	(Nebr)
SINCLAIR Range (Wyo) (Int)	209(XP)(116.1)	80°,1.7	SBMRAZ-DTV	(4);116.1,122.1
★ Sinclair Int,27,SL-OH	3.8 ENE;RR S	6561	50 L3	
Stake's Prairie (Limon)	2.2 ENE;RR S	5375	34 S4	73 oct. (Colo)
STAPLETON Tower (Colo)	278 (126.18 118.7)		AC (ILS)	(4);122.5,126.18,118.7
[Stapleton] (Denver,Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
(P) Starr Nelson (Delta,Colo)	4 E;rd N	5200	40 S4	80 oct.
Teter (Fairplay,Colo)	3 SSE;hwy E	9700	63	
(P) Trading Post (Kit Carson)	0.8 NW;crk E	4290	40	PRIV. P-line S,SE. (Colo)
Valley (Silver Cliff,Colo)	0.7 ESE	8000	40	Hwy W
Walden (Colo)	1.5 N;hwy W	8250	63 S1	80 oct.
Wamsutter Int,22,SL-OH	2.4 NNW;RR S	6812	50 L3	35' pole line SW. (Wyo)
Wray (Colo)	1.2 NNW;hwy E	3400	36 S2	80 oct.
(P) Young (Ft.Morgan,Colo)	6 N;hwy E	4460	52 S6	73,80 oct. Rough
Yuma (Colo)	1.4 SSE;hwy W	4150	54 S6	80 oct. P-line S,SE,SW,NW.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

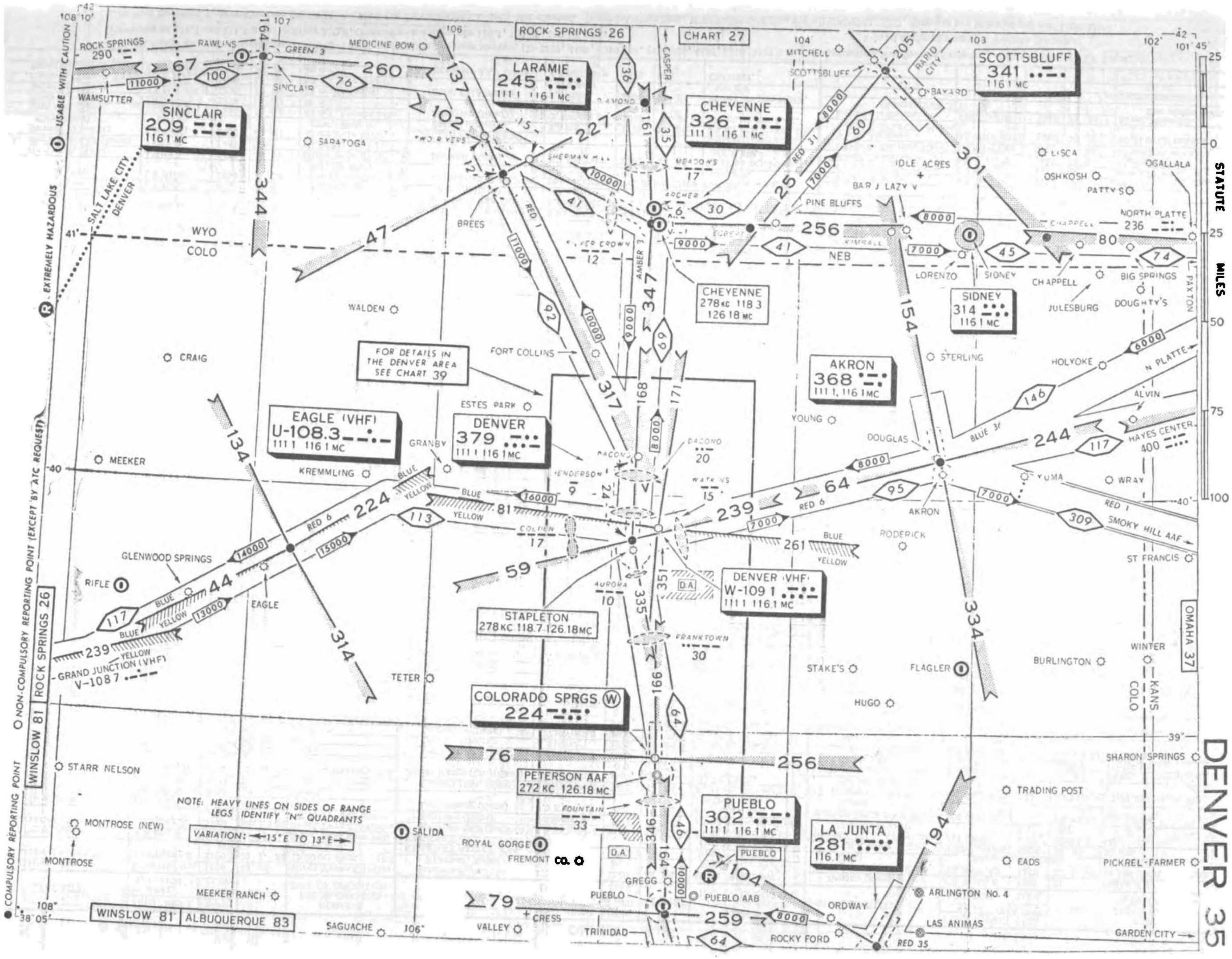
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
STAPLETON	110.3 ·-·· ···-	335	206°	IM-	MM- ·-·-(0.65)	OM- ··(4.19)
				MMK- 335 ···-		OMK-359 -··
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bar J Lazy V (Potter,Nebr)	5.3 SW;rd E	4550	27 S2	80 oct.
O'Conta (Wisc)	1.5 SW;bay E	590	36 S2	80 oct. P-line N. Data unver.
(P) Sterling (Colo.)	2.8 W;RR S	4020	34 S6	80 oct.
Pickrel-Farmer (Tribune, Kans)	1.3 SW;RR N	3550	17 S2	80 oct. Poles N,NE; bldgs E
Kremmling (Colo)	0.9 E;hwy N	7410	27 S1	73 oct. Poles E
Winter (Kanorado,Kans)	0.6 SE;RR N	3910	29 S2	80 oct. Pole NE Elev. NW Use strips only.
→ Brees (Laramie,Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4456, 6216 kcs. (4) - 3105, 4456, 6216, 3117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.62, 140.66 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time. Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ROCK SPRINGS 26
CHART 27
DENVER 35
STATUTE MILES
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
ROCK SPRINGS 290
SINCLAIR 209 116.1 MC
LARAMIE 245 111.1 116.1 MC
CHEYENNE 326 111.1 116.1 MC
SCOTTSBLUFF 341 116.1 MC
CHEYENNE 278 KC 118.3 126.18 MC
SIDNEY 314 116.1 MC
AKRON 368 111.1, 116.1 MC
EAGLE (VHF) U-108.3 111.1 116.1 MC
DENVER 379 111.1 116.1 MC
DENVER (VHF) W-109.1 111.1 116.1 MC
STAPLETON 278 KC 118.7 126.18 MC
COLORADO SPRGS (W) 224
PETERSON AAF 272 KC 126.18 MC
PUEBLO 302 111.1 116.1 MC
LA JUNTA 281 116.1 MC
GRAND JUNCTION (VHF) V-108.7
NORTH PLATTE 236
HAYES CENTER 400
WINSLOW 81 | ROCK SPRINGS 26
WINSLOW 81 | ALBUQUERQUE 83
OMAHA 37
FOR DETAILS IN THE DENVER AREA SEE CHART 39
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 15° E TO 13° E
WYO
COLO
NEB
KANS

OMAHA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abilene (Kans)	1.7 WSW;RR N	1100	29 S6	80 oct. Trees E. P-line
Arrow (Lincoln, Nebr)	4.8 NE;hwy E	1160	25 L S6	73,80 oct. Port rnwy lgts. SE
Atwood (Kans)	2 N;hwy S	2900	26 S6	80 oct. Soft when wet.
(P) Beatrice (Nebr)	3.5 N;hwy E	1260	38h L3 S4	80 oct. Twrs SSW; poles S. Rnwy data unver.
Belleville (Kans)	1.8 WSW;hwy S	1520	24 S2	73 oct.
Benkleman (Nebr)	1.2 NNE;RR SE	2990	28 S2	80 oct.
Bern (Kans)	0.6 S;RR N	1300	26 S1	80 oct. Pwr line N.
Blosser (Concordia, Kans)	1 SSE;hwy W	1510	26 L S2	80 oct. Port rnwy lgts.
* Brainard Int, 82, SL-OH	5.5 SW;hwy W	1640	31 L3	(Nebr)
Broken Bow (Nebr)	2 N	2400	30 S6	80 oct.
(A) Bruning AAF (Nebr)(A)	7.7 E;RR N	1544	68h	CLOSED.
Central (Grand Island, Nebr)	1.7 NE;RR S	1851	33 S6	80,91 oct. P-lines W, N
(P) Clay Center (Kans)	1.5 W;hwy S	1200	30 S2	80 oct. Poles S, NW.
Clay Center (Nebr)	1.5 E;hwy N	1800	26 S2	80 oct. P-lines N.
Clothier (Cedar Point, Kans)	4 SSW;creek E	1320	20 S2	73 oct.
Colby (Kans)	1.8 N;RR S	3150	42 S2	80 oct. Poles SW, W.
Columbus (Nebr)	1.3 NE;RR S	1445	26 S6	P-line SSE, SSW.
Crete (Nebr)	1 S;RR NE	1368	24 L3 S6	80,91 oct. Lgts prior req
David City (Nebr)	1.5 N;hwy W	1640	22 S2	80 oct. Windmill E.
Downs (Kans)	Adj SW;RR N	1550	20 S2	80 oct. RR NW. Data unver
Eddie Hutton (Brewster, Kans)	1 SE;RR N	3420	35 S2	73 oct.
Elgin (Nebr)	0.8 SW;RR E	1930	16 S6	80 oct. Bldgs SE, N.
Elkins (Wakefield, Kan)	1 SSE;riv NE	1170	13 S1	80 oct. Poles W.
Ellinwood (Kans)	1.5 NW;RR S	1790	26 S6	73 oct. Poles N.
Emporia (Kans)	5.4 S;hwy E	1200	26 S6	80 oct. Poles E, NE
Fairbury (Nebr)	2.5 NNE;RR SE;hwy SE	1316	26 L S6	80 oct. Port rnwy lgts P-line W, NW, S.
(A) Fairmont AAF (Geneva, Nebr) (A)	4.8 NE	1639	70h	CLOSED
(P) Fremont (Nebr)	1.4 WNW; RRs NE	1203	38h S4	80,91 oct. P-line N, NE, E, SE.
Giffin-Orton (Hoisington, Kans)	See Hoisington Arpt under "New Facilities" - name changed.			
GOODLAND H Fac. (Kans)	353 (GN)		HW-T	
GOODLAND Range (Kans)				DECOMMISSIONED.
(P) Goodland (Kans)	2 NNE;hwy E	3689	37 S4	80,91 oct. P-lines SW,
Gothenburg (Nebr)	0.7 E;hwy S	2550	32 S2	80 oct. W. Trees NW.
GRAND ISLAND Range (Nebr)	263 (GI)(vhf)	165°, 1.3	SBMRLZ-DTV	(4); 116.1, 122.1
GRAND ISLAND AAF Tower (Nebr)				DECOMMISSIONED.
(A) Grand Island AAF (Nebr) (A)	3.5 NE;RR W	1846	72h	CLOSED.
(A) Great Bend AAF (Kans) (A)	4.5 WSW	1891	80h	CLOSED.
Great Bend Arpk. (Kan)	1.6 NNE;RR W	1850	26 S2	80 oct. Poles N, W.
(A) Harvard AAF (Nebr)(A)	2.5 NE	1817	76h	CLOSED.
Hastings (Nebr)	1.5 NW;RRs N, S	1940	35 S6	73 oct.
Hastings Sky Ranch (Nebr)	3.2 WSW;RR N	1960	26 L S6	80,91 oct. Port rnwy lgts. P-line S, W. NE, SW, W, NW.
Hawks (Bruning, Neb)	3.8 ESE;rd N	1544	29 S4	80 oct. N blkd. Poles.
HAYES CENTER Range (Nebr)	(400)(KB)(vhf)	64°, 2.2	SBMRAZ-DTV	(4); 116.1, 122.1
* Hayes Center Int, 21, DV-GI (Nebr)	3 ENE;rd S	3074	51 L3	
Hays (Kans)	1.5 E;RR S	2020	29 L S6	80,91 oct. Port rnwy
Hebron (Nebr)	1 S;RR W	1458	26 S4	80 oct. S appch lgts. 6:1, SW 10:1.
Herington (Kans)	1.5 SE;hwy N	1450	26 S2	80 oct. Poles N, NW.
(A) Herington AAF (Kans)	7.5 ENE	1485	69h	CLOSED. (A)
Hewett's (Beaver City, Nebr)	2.5 NNE; hwy S	2300	40 S1	73 oct. Pole NNW, SSW. Bldg N.
Hiawatha (Kans)	1.3 WSW;RR E	1110	25 S1	80 oct. Appchs blkd.
Holdrege (Nebr.)	2 NNE;crk S	2324	26 S4	80 oct.
Holyrood (Kans)	0.5 ESE;RR N	1820	17 S4	73 oct. Poles N.
Huntoon (Topeka, Kans)	5.4 W;riv N	1000	18 S6	80 oct. Pwr line N.
Imperial (Nebr)	1 ESE;RR SW	3280	36 S4	80 oct.
Janssen Skytel (Mc Pherson, Kans)	1.5 SW;hwy N	1500	22 S6	80 oct. Hi-line W Poles E.
KEARNEY Army H Fac.	536 (DKR)	130°, 5.3	HW	(Nebr)
KEARNEY AAF Tower	396 (126.18)		CA	(4); 126.18 (8-1630)
(A) Kearney AAF (Nebr)(A)	4.5 ENE;RR S	2130	73h L5 S6	73,91,100 oct. JP-1. No sto
Kearney (Nebr)	4.5 S;riv N	2145	15 S1	80 oct. Trees N; p-line E
Larkinburg (Kans)	0.3 E;hwy N	947	27 S2	80 oct. Hi-lines N. Data unver.
Larned Mun. (Kans)	1.6 NNE;RR SE	2012	33 S6	80,91 oct. Use strips.
LEBO Range (Int.) (Kans)	311(LN)(vhf)	336°, 0.0	BMLZ-DTV	(4); 116.1, 122.1
* Lebo Int, 39, AQ-KC	4 ENE;RR N	1160	33 L3	(Kans)
Lenora (Kans)	1.2 NNW	2325	29 S2	creek NE 80 oct.
Lexington (Nebr)	1.7 NW;RR S	2400	28 S6	80 oct. P-line NE, E, SE.
LINCOLN Range (Nebr)	385 (HK) (116.1)	170°, 2.4	SBMRLZ-DTV	(4); 116.1, 122.1
(NG) [Lincoln] (Nebr)	5.5 NW;RR NE	1191	71h L5 S6	80,91,100 oct. 73,91,100 oct for NG
Lyons (Kans)	1.3 W;hwy N	1950	28 S6	73 oct. P-line NW, N, NE
Manhattan (Kans)	5.5 WSW	1050	31 S6	80 oct. RR SE.
Mankan (Manhattan, Kans)	3.7 ENE;hwy S	1050	30 S6	80,91 oct. Poles sur fld.
Mankato (Kans)				ABANDONED
(P) Marion (Kans)	1.8 ESE;hwy N	1370	36 S4	80 oct. Appchs blkd.
MARSHALL Army Range (Ft. Riley) (Kans)	215 (DFY)	196°, 4.0	SBMRAZ	
MARSHALL Tower (Kans)	396 (126.18)		CA	(3); 126.18
(A) Marshall (Ft. Riley, Kans) (A)	1.8 SE	1062	45h L5 S6	73,91,100 oct. Ditch E, S.
McCook (Nebr)	2.2 E;RR S	2586	42 S4	80 oct. Windmill N. Hwy S.
(A) McCook AAF (Nebr)(A)	9 NNW;hwy E	2784	75h	CLOSED.
McPherson (Kans)	4 NNE;hwy W	1500	34 S6	80 oct. Soft when wet. Appchs blkd.
Moritz (Beloit, Kans)	1.2 NW;RR S	1420	24 S2	73 oct. Trees E.
MORLAND Range (Kans)				DECOMMISSIONED.
Moundridge (Kans)	2.2 WNW	1485	17 S2	80 oct. Poles SW, W, RR
(P) Norfolk (Nebr)	3 SSW;RR W	1572	58h S6	80 oct. P-line SE. 8 NE
NORTH PLATTE Range (Nebr)	236(NQ)(vhf)	352°, 2.2	SBRAZ-DTV	(4); 116.1, 122.1
(P) [North Platte] (Nebr)	3.2 ESE;riv SW	2779	55h L5 S6	73,80,91,100 oct.
(P) Norton (Kans)	0.7 NNW;hwy E	2365	52 S4	80,91 oct. P-line S.
Oberlin (Kans)	0.9 NW;RR SE	2684	25 S1	80 oct. P-line SE, NE.
Ohiowa (Nebr)	3 SW	1572	20	Fence sur fld. Data unver.
OMAHA Range (Nebr)	320(OH)(vhf)	146°, 0.8	SBRAZ-DTV	(3); 116.1, 122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C (ILS-W)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE; lk W	982	54h L6 S6	73,80,91,100 oct. No contact lgts.
100th Meridian (Cozed, Nebr)	0.8 SW;RR N	2490	22 S1	80 oct. P-line E.
Ord (Nebr)	1 SNW, RR, hwy E	2060	31 S4	80 oct. Use strips.
* Overton Int, 69, SL-OH (Nebr)	4.8 E;RR S	2300	40 L3	Bldgs, trees NW; poles NE.
PHILLIP BILLARD Tower (Topeka, Kans)	278(118.5, 126.18)		C	(4); 118.5, 126.18, 122.5; 100-150 mcs on req.
[Phillip Billard] (Topeka, Kans)	3.5 ENE;RR S	879	42h L5 S6	80, 91 oct.
(P) Phillipsburg (Kans)	1.5 S;RR N	1882	33 S1	80 oct.
Pottawatomie (Manhattan, Kans)	1.4 NE;RR SE	1100	20 S4	80 oct. Poles SE, NW, NE
Republican City (Nebr)	See Waldo Air Svc under "New Facilities" - name changed.			
Russell (Kans)	2.7 ESE;hwy N	1860	32 S6	73,80,91 oct. Poles N, NE, S, SW.
SALINA Range (Kans)				DECOMMISSIONED.
Salina (Kans)	2.5 SE	1275	26 S6	80,91 oct. P-line NW.
Schuyler (Nebr)	2.8 W;RR S	1380	20 S4	80 oct. NE, SW blkd.
Scott City (Kans)	1.3 ESE hwy N	2980	25 S1	73 oct. P-line N, NE, NW, SW.
(A) Scribner AAF (Nebr) (A)	4.1 SSE;hwy N	1315	67h	CLOSED.
Seneca (Kans)	0.5 W;RR S	1250	24	Poles N, S.
Sky Village (Salina, Kans)	6.6 WSW;RR SE	1270	22 L S6	80 oct. Port rnwy lgts P-line S.
Smith Center (Kans)	1 SSW;RR NW	1806	27 S1	80 oct.
SMOKY HILL Army Range (Salina) (Kans)	344 (DSN)	170°, 5.1	BMRLZ-DT	(4)
SMOKY HILL AAF Tower (Kans)	396 (126.18)		CA (ILS-W)	(4); 126.18
(A) Smoky Hill AAF (Salina, Kans) (A)	4.5 SW;RR E	1289	100h L5 S4	73,91,100 oct. No sto.
Summerfield (Kans)	0.3 SSE;RR W	1450	20 S2	80 oct. P-line N, NW.
TARKIO H Fac. (Mo)	281(TK)(116.1)		MHTV	(4); 116.1, 122.1
Tarkio, 10, KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct. Trees N.
TOPEKA VHF Range (Kans)				DECOMMISSIONED
TOPEKA Army Range (Kans)	269 (DTO)	32°, 3.5	BMRAZ	(4)
TOPEKA AAF Tower (Kans)	206 (116.1, 126.18)		CA	(3); 116.1, 126.18
(A) Topeka AAF (Kans) (A)	6 S;RR W	1078	65h L5 S6	73,91,100 oct. JP-1. No sto. CLOSED.
Union (Lincoln, Nebr)	4.8 NNE;RR S	1140	18h L3 S6	80,91 oct. All lgts prior req.
WALDO VHF Range (Kans)				DECOMMISSIONED.
(A) Walker AAF (Hays, Kans) (A)	12.5 E;hwy S	1975	80h	CLOSED.
Waverly (Lincoln, Neb)	9 NE;RR SE	1180	20	Poles SE, SSW.
West Point (Nebr)	1.5 E;hwy W		16 S4	80 oct. Data unver.
Wood Arpk (Clay Center, Kans)	3.5 N;hwy W	1260	15 S6	80 oct. No sto. P-line W.
Wright Arpk (Abilene, Kans)	1 SSE;riv S	1150	13 S1	80 oct. S blkd.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
GRAND ISL. AAF (A)				DECOMMISSIONED	
OMAHA	110.3	335	135°	IM-	MM- • —•— (0.78) OM- — — (4.90)
					MMK- 201 • • • • OMK- 219 — — —
SMOKY HILL (A)	109.9	333.8	123°	IM- (0.19)	MM- • • • • • • (0.89) OM- — — (4.20)
					MMK- OMK-
				IM-	MM- OM-
					MMK- OMK-

NEW FACILITIES

Hill City Mun. (Kans)	0.8 NE;riv S	2200	28 S2	Sto. SW blkd.
Mankato Mun. (new) (Kans)	1.4 NW;RR SW	1840	24 S6	80 oct. Windmill NE
Trenton Mun. (Nebr)	1.3 NW;RR S	2840	27 S2	80 oct. Poles SE.
Wahoo Mun. (Nebr.)	2.5 NE	1180	25	Poles S.
Oakland (Nebr.)	2 W	1320	28 S6	80 oct. Use strips.
Hoisington (Kans)	1.3 NE;hwy S	1870	25 S4	80 oct. Poles S.
Burdett Fly Club (Kans)	1 SW;RR N	2140	20 S1	80 oct. Poles E, S. Use strips.
Concordia (Kans)	1.7 S;hwy W	1510	20 L S6	80 oct. Flood, port rnwy lgts
Downs Mun. (Kans)	0.4 SSW;riv S	1500	22 S2	80 oct. N, NW blkd. Pole W
Ellsworth (Kans)	1 N;twr 0.8 S	1630	26 S6	80 oct. FEE. P-lines NE
Hoover (La Crosse, Kans)	0.5 ENE;RR S	2060	24 S2	80 oct. Poles S, N
Hoxie (Kans)	0.7 N;RR, hwy S	2665	20 S1	73 oct. Poles S, W
Marysville (Kans)	1.3 ENE	1240	26 S2	80 oct. P-lines N, S
Nessco (Ness City, Kans)	1.6 ESE;RR 0.6 N	2240	26 S2	80 oct. E/W rnwy unsafe
Ness Fly. Club (Ness City, Kans)	1 ESE;RR N	2245	23 S2	80 oct. Poles N, S when wet
Oakley (Kans)	0.6 SSW;RR N	3050	26 S2	80 oct. P-lines SE, S, NW, N
Ritter (Jct. City, Kans)	3.7 W;hwy N	1260	18 S2	80 oct. Poles NE, N. Use stps.
Sterling Air Svc. (Kans)	1.2 SSW;lk 0.5 NE	1630	19 S4	80 oct. Trees all appchs
Trenton (Nebr)	1.2 NW	2840	27 S2	80 oct. P-line SE
Superior (Nebr)	2 N;hwy W	1735	26 S2	80 oct.
Geneva Fly. Svc. (Nebr)	1.2 SSW;RR NW	1633	26 S4	80 oct. Poles E. Soft-wet
Roush (Grand Isl. Nebr)	2 SSE;riv N	1841	32 S6	80,91 oct. E blkd.
Harmon (Kearney, Nebr)	1.3 NNW;lk S	2240	17 S4	80 oct. Soft when wet.
Waldo Air Svc (Republican City, Nebr)	0.5 WNW;riv S	1980	30 S6	80,91 oct. N end soft.
Heller Air Ranch (Wisner, Nebr.)	5 SSW;rd S	1350	22 S4	80 oct. Poles SE. Use strips only.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.. h-hard surfaced runways. R-radio facilities.

L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

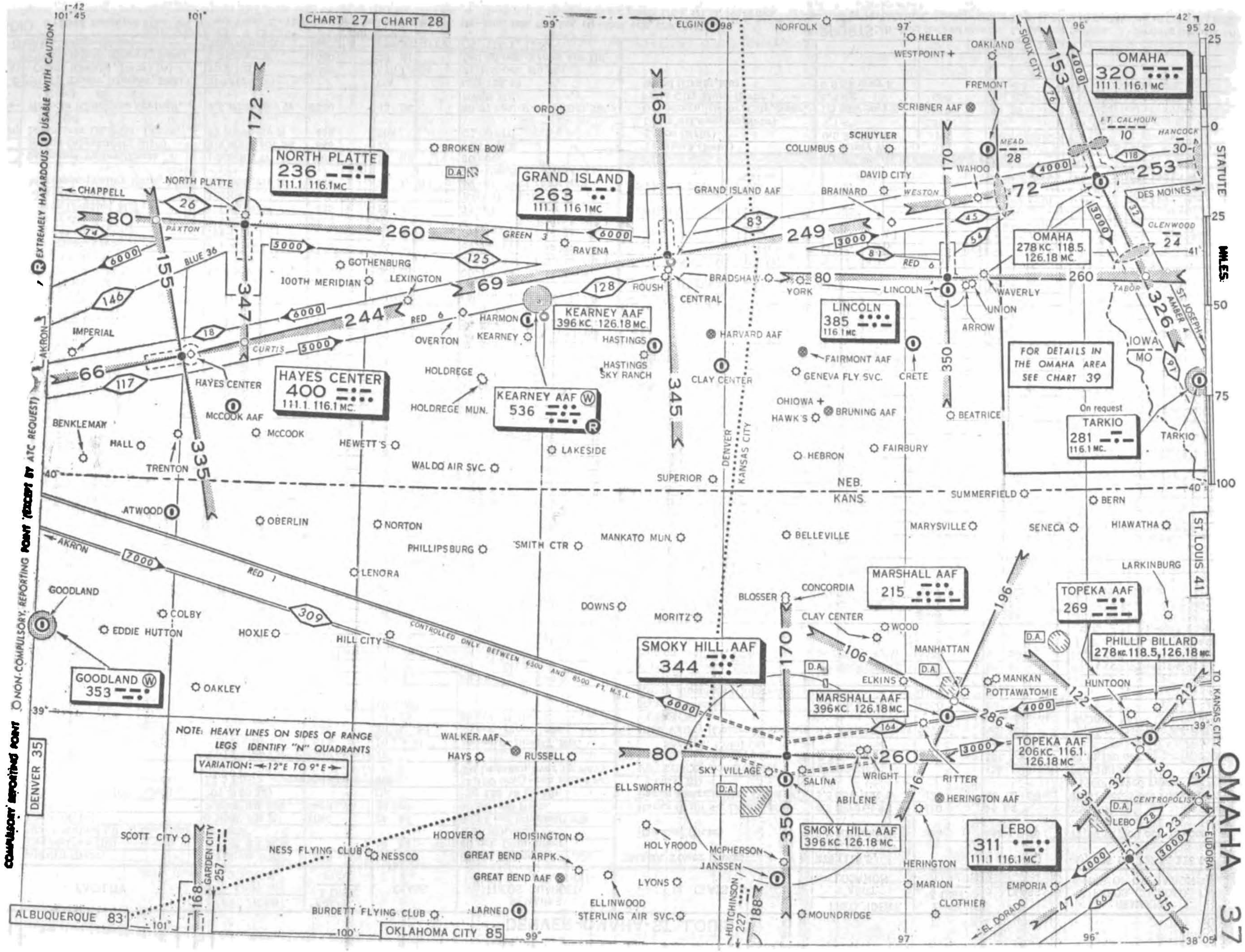


CHART 27
CHART 28
NORTH PLATTE
236
111.1 116.1MC
GRAND ISLAND
263
111.1 116.1MC
HAYES CENTER
400
111.1 116.1MC
KEARNEY AAF
396 KC 126.18 MC
KEARNEY AAF (W)
536
LINCOLN
385
116.1 MC
OMAHA
320
111.1 116.1 MC
OMAHA
278 KC 118.5
126.18 MC
TARKIO
281
116.1 MC
FOR DETAILS IN THE OMAHA AREA SEE CHART 39
On request
GOODLAND (W)
353
SMOKY HILL AAF
344
SMOKY HILL AAF
396 KC 126.18 MC
MARSHALL AAF
215
MARSHALL AAF
396 KC 126.18 MC
TOPEKA AAF
269
TOPEKA AAF
206 KC 116.1
126.18 MC
PHILLIP BILLARD
278 KC 118.5, 126.18 MC
LEBO
311
111.1 116.1 MC
R EXTREMELY HAZARDOUS O USABLE WITH CAUTION
NON-COMPULSORY REPORTING POINT (RECEIVED BY ATC REQUEST)
COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 9°E
CONTROLLED ONLY BETWEEN 6500 AND 8500 FT. M.S.L.
NEB.
KANS.
STATUTE MILES
OMAHA 37
DENVER 35
ALBUQUERQUE 83
OKLAHOMA CITY 85
TO KANSAS CITY
ST. LOUIS 41
CHAPPELL
NORTH PLATTE
PAXTON
BROKEN BOW
ORD
ELGIN
NORFOLK
HELLER
WESTPOINT
OAKLAND
SIOUX CITY
FREMONT
SCRIBNER AAF
SCHUYLER
COLUMBUS
DAVID CITY
WAHOO
MEAD
FT. CALHOUN
HANCOCK
DES MOINES
GLENWOOD
BRAINARD
WESTON
GRAND ISLAND AAF
GOTHENBURG
100TH MERIDIAN
LEXINGTON
RAVENA
BRADSHAW
YORK
LINCOLN
WAVERLY
UNION
ARROW
TABOR
ST. JOSEPH
IOWA
MO
ROUSH
CENTRAL
HARMON
KEARNEY
OVERTON
HASTINGS
HASTINGS SKY RANCH
HARVARD AAF
CLAY CENTER
FAIRMONT AAF
GENEVA FLY SVC.
CRETE
BEATRICE
OHIOWA
HAWK'S
BRUNING AAF
FAIRBURY
HEBRON
IMPERIAL
AKRON
BENKLEMAN
HALL
TRENTON
HAYES CENTER
McCOOK AAF
McCOOK
HEWETT'S
HOLDREGE
HOLDREGE MUN.
WALDO AIR SVC.
LAKESIDE
SUPERIOR
DENVER
KANSAS CITY
ATWOOD
OBERLIN
NORTON
PHILLIPSBURG
SMITH CTR
MANKATO MUN.
BELLEVILLE
MARYSVILLE
SENECA
HIAWATHA
BERN
SUMMERFIELD
LARKINBURG
LENORA
GOODLAND
COLBY
EDDIE HUTTON
HOXIE
HILL CITY
OAKLEY
DOWNS
MORITZ
BLOSSER
CONCORDIA
CLAY CENTER
WOOD
MANHATTAN
ELKINS
MANKAN
POTTAWATOMIE
HUNTOON
WALKER AAF
HAYS
RUSSELL
SKY VILLAGE
SALINA
WRIGHT
RITTER
ABILENE
HERINGTON AAF
ELLSWORTH
SCOTT CITY
GARDEN CITY
NESS FLYING CLUB
NESSCO
HOOVER
HOISINGTON
GREAT BEND ARPK.
GREAT BEND AAF
HOLYROOD
McPHERSON
JANSSEN
LYONS
ELLINWOOD
STERLING AIR SVC.
BURDETT FLYING CLUB
LARNED
HERINGTON
MARION
CLOTHIER
MOUNDRIDGE
EMPORIA
EL DORADO
CENTROPOLIS
EUDORA
TARKIO
HUTCHINSON
CHART 27
CHART 28

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Auburn (Nebr)	2.7 E;riv SW	960	29 S6	80 oct. P-line N,NW,NE.
Beardstown (Ill)	1.5 SE;RR N,W		18 S2	80 oct. Data unver.
→ Black Walnut (St. Louis, Mo)	18 NNW			ABANDONED
Blair (Nebr)	3 NNW;RR E	1050	24 S6	80,91 oct. Windmill NW.
(P) Boulder (Colo)	3 ENE;RR NW	5350	42 S6	80,91 oct. RR S.
BUCKLEY Tower (Colo)(NG)	201 (126.18)		CA	(3); 126.18 (8-16)
(NG)(N) Buckley (NAS) (Denver, Colo)	12.5 ESE	5642	80h	73,100 oct, 1-ech maint NG. To be taken over by Navy.
→ Calhan (Colo)	0.6 ESE;hwy N	6500	22	
* Chesterfield Int,4,LS-CG (Ill)	3 ENE;hwy 1 W	612	26 L S1	80 oct, P-line NE,NW.
Civil Air Patrol (Denver,Colo)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Clear Ridge (Omaha, Nebr)	5.2 NW;RR N	1230	28 S6	80 oct. P-line E.
COLORADO SPRINGS Range (Peterson)(Colo)	224 (CD)	166°, 3.9	MRLWZ	
Combs (Denver, Colo)	3 NE;RR N	5276	35 S6	80,91 oct. P-line N,S.
Council Bluffs (Iowa)	3 SE;RR S	980	37 S6	80 oct. Bldgs SW.
Craig (Mo)	See Ward Arpt under "New Facilities" - name changed.			
Creighton (Golden, Colo)	4 E;lake E	5600	30 S1	80 oct. NW blocked.
→ Creve Coeur (St. Louis, Mo)	14.5 WNW			ABANDONED
→ Crosier (Greeley, Colo)	3.5 E;rd,riv S	4648	34 S6	73,91 oct.
Cyril Lebert (Lebanon, Ill)	0.5 SE;hwy N	440	22 S2	80 oct. Poles N,W,S.
DENVER Range (Stapleton)(Colo)	379 (DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER VHF Range (Stapleton) (Colo)	109.1 (DV)(vhf)	211°,9.7	VAR-DTXV	(3);116.1,122.1
Dunlap (Iowa)	0.5 WNW;RR SE	1160	30 S3	80 oct. P-line NNE
Eagleton (Decatur, Nebr)	1 S;riv NE	1100	26 S2	73 oct. Poles NE;trees NW.
East Colfax (Watkins, Colo)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N,NW
Edwardsville (Ill)	3.4 E;RR N	555	21 S2	No fuel. P-line E,S
Ellisville (Mo)	0.4 NE;hwy S	750	16 S2	80 oct.
Englewood (Colo)	6.8 SSE;hwy S	5520	45 S6	80, 91 oct.
Flagler (Colo)	0.8 S;RR N	4975	48 S4	80 oct. 20' p-line E.
Fleck's Lakeview (Rochester, Ill)	2.8 W;lake W	580	21 S6	80 oct. P-line W.
Gundlach (Belleville, Ill)	1.8 E	514	23	Obsts sur fld.
H & S (Gillespie, Ill)	1 W;RR S	661	18	P-line N,E.
Harlan (Iowa)	5 SSW;hwy E	1196	27 S2	73 oct. Hi-line S,E.
Hew's (Humboldt, Nebr)	4.2 NNE	1200	13	Pwr line E. PRIVATE
Highland-Winet (Highland,Ill)	3.6 NE;RR S	535	24	P-line S.
Jacksonville (Ill)	3.9 S;hwy E	650	18 S6	80 oct P-line E.
Kratz (St. Charles, Mo)	1.1 ESE;RR S	442	30 L S6	80,91 oct. Port rnwy lgts.
Lakeside (E. St. Louis, Ill)	7 NNE;lake W	420	32 L S6	80,91 oct. Port lgts on rep. SE blocked
→LAMBERT-ST. LOUIS Tower (St. Louis, Mo)	278 (126.18, 118.3)		AC(ILS)	(4); 126 18, 122 5, 118 3
(NG)(N) [Lambert-St Louis](Nas) (St. Louis, Mo)	10.8 NW;hwy N, W	552	60h L6 S6	80-100 oct. Ltd 100 oct, 2-ech maint NG. Rdo rqrd.
→ Longmont (Colo)	2.9 W;hwy .5 S	5030	44 S6	80,91 oct. Trees NW.
LOWRY Tower (Colo)	396 (126.18)+		CA ◆:00.20	(3); 126 18
(A) Lowry (Denver, Colo) (A)	5.3 ESE	5412	83h L5 S6	91, 100 oct. JP-1
Lucas (Festus, Mo)	1.7 S;RR W	425	16 S2	73 oct.
Machens (Mo)	1 NNW			ABANDONED
Meremec (Valley Park, Mo)	1.5 ESE;riv N	440	30 L S2	80 oct. Port rnwy lgts. P-line S.
Missouri Valley (Iowa)	1.5 S;RR W	960	16 S2	80 oct.
Negus (Alexander, Ill)	2.8 WSW;RR SE	645	22	PRIVATE
(N) Neubeiser OLF (St. Louis, Mo) (N)	22 NNW;riv N	438	20h	CLOSED
→ Nichols (Colorado Springs, Colo)	2.8 NNE;hwy W	6200	42 S6	80,91 oct. P-line SE,S,SW, NW,N,NE.
OFFUTT Tower (Omaha, Nebr)	396 (126.18)		CA	(3); 126.18
(A) Offutt (Omaha, Nebr) (A)	10 S;RR W	1046	61h L5 S4	91,100 oct. No sto.
Oliver Ranch (Onawa, Iowa)	5 SE;hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
OMAHA Range (Nebr)	320(OH)(vhf)	146°,0.8	SBRAZ-DTV	(3); 116.1, 122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C (ILS-W)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE;lake W	982	54h L6 S6	73,80,91,100 oct. No contact lgts.
Parks (East St. Louis, Mo)	4.2 SW;RR SE	410	26 L4	NW blk.
Parks Metropolitan (East St. Louis, Ill)	3.5 SSW;RR W	420	40 L S6	80,91 oct. Port rnwy lgts. 1700' paved rnwys.
PETERSON Tower(Colo)	272(126.18)		CA	(4):126.18
(A) [Peterson] (Colorado Springs, Colo) (A)	6.3 E; hwy N	6170	85h L5 S6	73,91,100 oct.
→ Pine Valley (Colorado Springs, Colo)	9.2 N;bet RR,hwy	6575	42 S6	80,91 oct. P-line NE,E,SE, W,NW.
Randolph (Iowa)	1.7 NNE;RR W	1050	20	
Rocky Mountain (Colorado Springs, Colo)	6 ESE	6100	35	
Ross (St. Louis, Mo)	4.8 NNW;RR SE	430	30 S6	80,91 oct. Poles sur fld.
Ruston (Denver, Colo)	10 NNW;hwy W	5550	40 S6	80,91 oct. P-line NE,SW, E,W blocked. Rnwy data unver. Bet RR & hwy.
Rutledge (Dupont, Colo)	2.1SSW;	5107	37 S6	80,91 oct. Poles sur fld.
St. Charles (Mo)	5.3 NNW;RR N	470	29 S6	80 oct. Poles E,N,NE,SE.
ST. LOUIS Range (Lambert-St. Louis) (Mo)	209(LS)(vhf)	256°,2.2	SBRAZ-DTXV	(3); 116 1, 122 1
SCOTT Army Range (Bellev'l, Ill)	263 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill)	396 +		CA	(4)
(A) Scott (Belleville,Ill)(A)	7.5 ENE;RR S	447	55h L5 S5	73,91,100 oct. JP-1.
Shenandoah (Iowa)	2.8 W;RR SE	960	25 L S2	80 oct. Port rnwy lgts.
SKY RANCH Tower (Colo)	296		CI	(3); (8-17)
Sky Ranch (Denver, Colo)	12.6 E;RR S	5478	55 S6	73,80,91 oct.
SPANISH LAKE H Fac.(Mo)	219 (L)	69°,7.8	FMHW	(Cont.) St. Louis
→ Springfield (Ill)	3.5 SW;bet RRs	606	51 S6	80,91 oct. Use strips.
SPRINGFIELD,Ill,(Range)	239(2[illegible])	113°, 2.3	SBMRAZ-DT	(4)
STAPLETON Tower (Denver, Colo)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7
[Stapleton] (Denver, Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
Starling (St. Louis, Mo)	14 SSW;riv .3 N	615	24 S2	80 oct. Trees ESE,SE,WNW.
→ Steckley (Weeping Water,Nebr)	3 S;RR,rd E			ABANDONED
Sylvan Beach (Fenton, Mo)	2 NNW	442	42 L S2	80,91 oct. Port rnwy lgts. P-line N.
TARKIO H Fac. (Mo)	281 (TK)(116.1)		MHTV	(4);116.1,122.1
Tarkio,10,KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct.
Tecumseh (Nebr)	1 W;RR NE	1115	26 S4	80 oct. Trees W;p-line N.
Valley (Nebr)	1.8 NW;RR NE	1150	22 S1	80 oct.
Vest Aircraft Co.(Denver,Colo)	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
→ Wadlow (Alton, Ill)	3.5 NNW	600	25 S6	80 oct. P-line SW,trees S.
Weiss (Kirkwood, Mo)	4 SW	430	15 S4	80 oct. P-line NE,N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

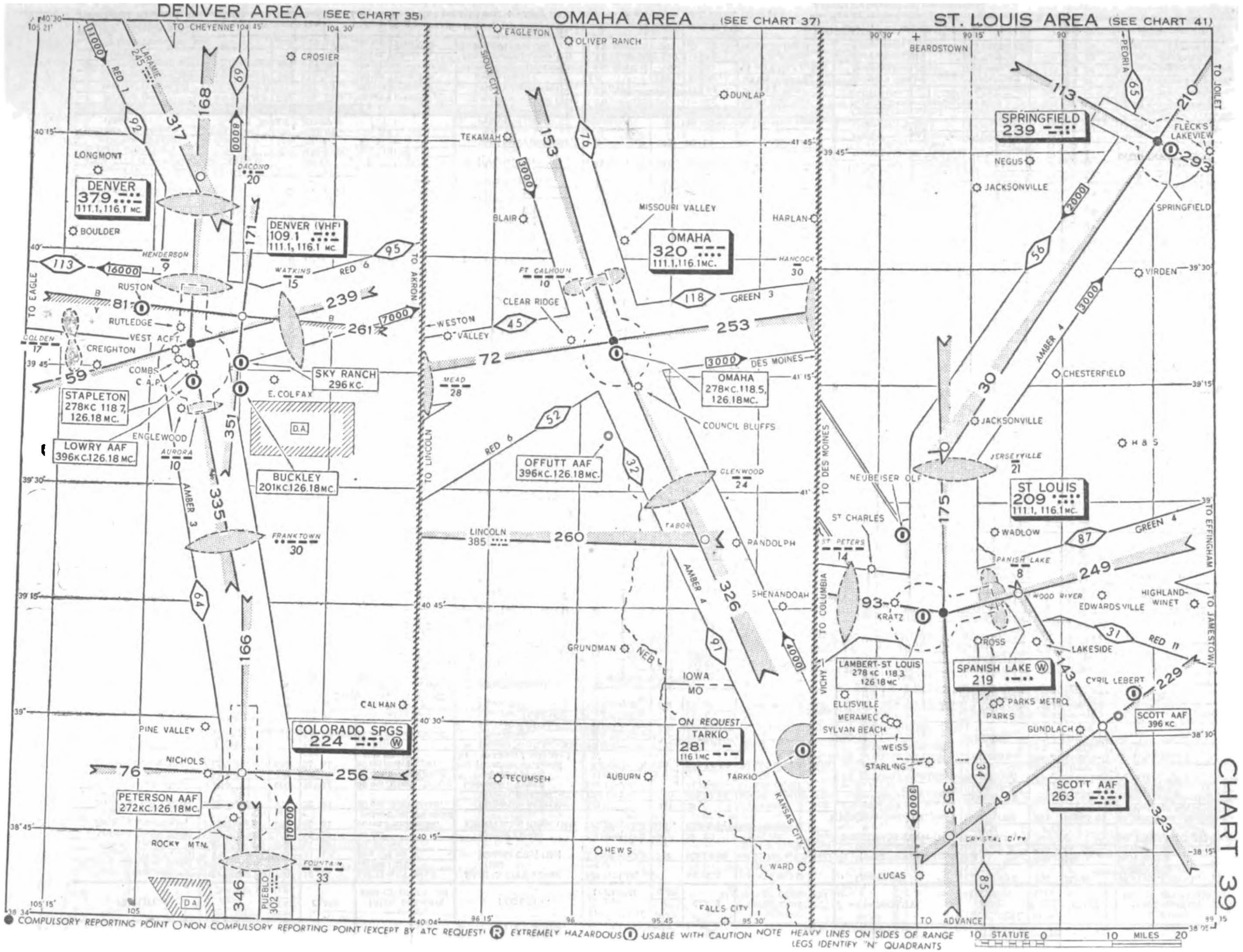
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LAMBERT	110.3		238°	IM-	MM- (0.64)	OM- (3.98)
					MMK- 201	OMK-
OMAHA	110.3	335	135°	IM-	MM- (0.78)	OM- (4,90)
					MMK- 201	OMK- 219
STAPLETON	110.3	335	206°	IM-	MM- (0.65)	OM- (4.19)
					MMK- 335	OMK- 359

NEW FACILITIES

Tekamah (Nebr)	1.3 S;hwy W	1010	30 S2	80 oct. S blkd.
Lisco (Nebr)	0.5 W;RR N	3800	26	
Patty's (Lewellen,Nebr)	2.3 S	3300	26	P-line E.
Grundman, (Nebr. City, Nebr.)	1.1 SSW;hwy E	1150	28 S2	80 oct.
Falls City Mun. (Nebr.)	1.8 NE	960	29 S2	80 oct.
Ward (Craig,Mo)	0.6 NE;hwy S		25 S4	80 oct. P-line ESE

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 117.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


DENVER AREA (SEE CHART 35)
OMAHA AREA (SEE CHART 37)
ST. LOUIS AREA (SEE CHART 41)
DENVER 379 111.1, 116.1 MC.
DENVER (VHF) 109.1 111.1, 116.1 MC.
OMAHA 320 111.1, 116.1 MC.
SPRINGFIELD 239
ST LOUIS 209 111.1, 116.1 MC.
SKY RANCH 296 KC.
STAPLETON 278 KC 118.7, 126.18 MC.
LOWRY AAF 396 KC. 126.18 MC.
BUCKLEY 201 KC. 126.18 MC.
OMAHA 278 KC. 118.5, 126.18 MC.
OFFUTT AAF 396 KC. 126.18 MC.
COLORADO SPGS 224
PETERSON AAF 272 KC. 126.18 MC.
TARKIO 281 116.1 MC.
LAMBERT-ST LOUIS 278 KC 118.3 126.18 MC
SPANISH LAKE 219
SCOTT AAF 396 KC.
SCOTT AAF 263
TO CHEYENNE
TO EAGLE
TO AKRON
TO LINCOLN
TO DES MOINES
TO JOLIET
TO EFFINGHAM
TO JAMESTOWN
TO COLUMBIA
TO ADVANCE
CHART 39
COMPULSORY REPORTING POINT
NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
10 STATUTE 0 10 MILES 20

ST. LOUIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adair (Iowa)	1.5 SSE;RR NW	1350	18 S1	Ltd 73 oct. Trees S.
ATLANTIC H Fac. (Iowa)	257(IZ)(116.1)		MHTV	(4);116.1,122.1
Atlantic, 4P,CG-OH(Ia.)	1.9 W;RR E	1153	33 L3	Bcn 1/4 mi W.
Atlantic (Iowa)	4.6 NW;RR S	1353	21 S6	80, 91 oct.
Audubon Arwys (Iowa)	1 SSE;RR W	1300	15 S1	80 oct.
Bailey's (Brookfield, Mo)	2 WSW;hwy N	800	26 S1	80 oct. Pwr line SE. Poles E,SE,NW blckd
Bailey's Arpk (Chillicothe, Mo)	2 SSE;RR W	675	32 S6	80 oct. S,SW blckd.
Beaver (Des Moines)	3.4 NW	900	25 S6	80 oct. (Iowa)
Boonville (Mo)	1.5 NNW;riv S	602	26 S2	80 oct. P-lines NE,E,
Bowling Green (Mo)	1.6 NW;RR E	882	25 S2	80 oct. Poles S;pwr line SE.
BRADFORD H Fac. (Int.)	382 (MQ)		MHT	(4) (Ill)
* Bradford Int, 29, KC-CG (Ill)	4.5 NNE;	795	26 L3 S1	80 oct. P-line SW,NE.
(P) Bradley (Moberly, Mo)	3 NNE;hwy W	865	37h S6	80,91 oct. Obsts.
Briggs (Fiscus, Iowa)	4.2 NE;RR E	1370	21 S2	80 oct. Trees N.
BURLINGTON Range	326(BN)(vhf)	357, 1.9	SBRAZ-DTV	(4); 116.1, 122.1 (Iowa)
(P) [Burlington] (Iowa)	1.7 SSW	698	54h L5 S6	80, 91, 100 oct. Hwy E
Butler, (Mo)	2 N;RR, hwy W	870	26 S2	80 oct. Hedge N
Cameron (Mo)	2 E;RR NW	1050	21 S4	80 oct. Poles N,W,NW
Carthage (Ill)	1.5 SSW;RR E	665	24 S6	80 oct. P-line E.
→ CEDAR RAPIDS H Fac	344(CID)		MHW	(Oper City)
(P) Cedar Rapids (Iowa)	6.7 SSW	864	55h L5 S1	80,91 oct. RR E
Centerville (Iowa)	3.5 SSW;RR N	1017	25 S2	80 oct. Use strips only.
Chariton C.A.P (Iowa)	2.3 NNE;RR SE	1050	16 S1	80 oct.
* CHILLICOTHE H Fac (Mo)	242(CK)(116.1)		MHTV	(4);116.1,122.1
Chillicothe, 7, KC-CG	3 ESE;RR N, SW	780	25h L3	P-line S;trees SW. 4000' strip avail.
Clarinda (Iowa)	0.8 SE;RR W	1060	26 S4	80 oct. rnwy lgts
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct. No sto. Port
(P) Clinton (Mo)	2 NE;RR SE	800	36 S6	80,91 oct. P-line N,S,
COLUMBIA Range (Mo)	379(CA)(vhf)	89°, 3.9	SBRAZ-DTV	(4);116.1,122.1 SW
→ Columbia (Mo)	2.4 NW;hwy S	777	33h L3 S6	80,91 oct. No flood lgts
Columbus Junction (Ia)	3 N;RR E	580	28 S2	80 oct. P-line N,E.
Cram (Davenport, Iowa)	2.5 NW,RR SW	646	21 S6	80,91,100 oct.
→ Creston Arwys (Iowa)	1.6 NE;RR W			ABANDONED
Daviess Co. (Mo)	1.1 W;RR N	930	19 S2	80 oct. Pole N.
Decatur (Ill)	4 NW	678	29 S6	80,91 oct. P-line S,SW, W, NW
DES MOINES Range (Iowa)	212(DM)(vhf)	344°, 2.1	SBRAZ-DTV	(3); 116.1, 122.1
DES MOINES Tower (Iowa)	278 (126.18, 118.3)		C	(4);126.18,122.5,118.7
(A) [Des Moines] (Iowa) Ankeny (Ill)	4.5 SSW	957	57h L5 S4	80,91,100 oct. RR W.
	1.9 ESE;RR S	786	30 L1 S6	80,91 oct. Appchs blckd except E and N half W boundary.
Dodge (Iowa)	3.5 E;RR E	835	27 S6	80 oct. Hwy E.
Dressler (Anita, Iowa)	7 SSE;rd W	1250	17 S2	80 oct. Trees S.
Eads (Iberia, Mo)	1.1 W;hwy NE	960	32 S2	80,91 oct.
Edwards (Grant City)	1.2 ENE;hwy S	920	23 S2	(Mo.) 80 oct. P-lines S
Fayette Flying Fld. (Mo.)	1.8 S;RR W	730	29 S2	80 oct. Trees W,S.
Fitzgerald (Mendota, Ill)	1.5 NW;lake E	800	22 S6	80 oct. Trees E.
Fordyce (Bethany, Mo)	4.8 ESE;rd W	1050	22 S2	80 oct. unver.
Fort Madison (Iowa)	1.5 N;RR W		27 S4	80 oct. Ltd sto. Data
Fulton (Mo)	3 WSW;hwy SE	875	15h S6	80 oct. P-line N,NE,S,
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct. Fld lgts prior req. E blocked.
Grand (Grand Mound)	1.2 SW;RR N	770	20 S2	80 oct. (Iowa)
Green (Mexico, Mo)	4.3 ESE;RR S	815	34 L S6	80,91 oct. Port rnwy lgts
Guthrie Center (Iowa)	0.5 NW;riv E	1074	21 S1	80 oct. lgts. P-line NW
Hannibal (Mo)	4.3 WNW; hwy N	735	26 L S6	80 oct. P-line W,SW. Port rnwy lgts. Rough
Hillsboro (Ill)	1 NE lake .5 E	625	27 S6	80 oct. P-line SE,SW.
Hi Way (Piatt, Ill)	1.3 WNW;hwy S	685	20 S4	80 oct. P-line S,E,NW
(P) Hunter (Cedar Rapids, Iowa)	3 S;hwy E	732	27 L3 S6	80,91 oct. Fld lgts prior req. Poles S,E.
Huston (Windsor, Mo)	4.3 E;hwy N	932	25 S1	80 oct.
IOWA CITY H Fac (Iowa)	248(IX)(116.1)		BHTV	(4);116.1,122.1
(P) [Iowa City] (Iowa)	1.7 SW;riv E	650	43h L1 S6	80,91 oct. No sto
Jefferson City (Mo)	2 N;hwy S	550	32 S6	80, 91 oct.
KANSAS CITY Range (Mo)	359(KC)(vhf)	148°, 2.9	SBRAZ-DTXV	(3); 116.1, 122.1
NEW FACILITIES				
Warsaw (Mo.)	2.5 W;lk N,E,S	690	26 S4	80 oct. Trees W,S,E
Sharon (Fremont, Ill)	1 SE;RR, hwy N	631	21 S6	80 oct. P-line NE.
Zims (Warrenton, Mo)	0.4 ESE;hwy W	880	18 S2	80 oct. Trees E,W
Sky Haven (Warrensb'g, Mo)	3.7 WNW;hwy S	850	24 S6	80,91 oct. P-lines SE, WSW
Pana (Ill.)	2 E	706	18 S2	80 oct. P-lines N.
Sky Lake (Tuscumbia, Mo)		588	25 S1	80 oct. Trees NNE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
KANSAS CITY Tower (Mo) [Kansas City] (Mo)	278 (126.18, 118.3)		AC (ILS	(4); 126.18,118.3, 122.5.
	2.5 NW;riv W,S	744	52h L6 S6	80,91,100 oct. Poles E Dike W. Flood lgts in op.
Keokuk (Iowa)	4.6 NNW;riv E	670	28 S6	80,91 oct.
KIRKSVILLE Range (Mo)	391(KR)(116.1)	320°, 0.9	BMRLZ-DTV	(4); 116.1, 122.1.
Kirksville Arpk (Mo)	Adj SE	927	26	Clsd winter. NE.
Kirksvi lle 12, KC-CG	7SE;hwy NE	970	39h L3 S6	(Mo.) 80,91 oct. P-lines
LAMBERT Tower (St. Louis, Mo.)	278(126.18, 118.3)		AC(ILS)	(4);126.18,122.5, 118.3
NG) [Lambert-St.Louis] (N) (NAS)(St.Louis,Mo.)	10.8 NW,hwy N, W	552	60h L6 S6	80-100 Oct. Rdo rqrd.
* Lamoni Int, 10, KC-MP	3 WNW;RR NE	1163	37 L3	(Iowa)
Leon (Iowa)	4.1 N;RR SE	1050	20 S2	80 oct.
Lexington (Mo)	3 WNW;RR NW	650	33 S6	80 oct. P-line S,W,SW
* Luray Int, 16, KC-CG	1.9 ESE;RR N	727	26 L3	(Mo) Poles N,E,W.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct. N,NE blckd. P-line E, SE.
Mader (Garnett, Kans)	2 WNW;hwy S	1060	26	Obst sur fld.
Manning (Iowa)	0.6 SW;RR W	1327	25 S2	73 oct.
Marceline (Mo)	1.5 N;RR SE	855	20 S1	80 oct. P-line NNE
MARSHALL H Fac. (Mo)	281(MH)(116.1)		MHTV	(4);116.1,122.1
* Marshall Int, 7, KC-LS	1.8 S;hwy W	800	39 L3 S2	80 oct. Trees E,NE,W
(P) Maryville Mun. (Mo)	2.2 WNW;hwy S	1154	25 S6	80, 91 oct. (Mo)
Matanzas (Havana, Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
McCoy (Blue Mound, Ill)	5 W	660	16 S2	No fuel.
McVille (Mechanicsville, Iowa)	3.2 WNW;RR S	850	30 S6	80 oct. Poles S,W.
Medbury (Armington)	1 NE	650	26	Data unver (Ill)
Mel Adkins (Gravois Mills, Mo)	4.2 SSE;hwy W	950	19	Rough
Melbourne (Iowa)	1.5 SW	1000	20 S1	80 oct. Poles N
Melbourne, com. (Iowa)	0.3 S;RR E	1000	21 S2	80 oct. P-line E.
MOLINE Range (Ill)	224(MO)(116.1)	142°, 12.0	SBRAZ-DTV	(4); 116.1 (ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req.)
(P) [Moline] (Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct.; 100 oct for Army. Poles NW
Monmouth (Ill)	1.5 NNE;rd E	770	31 L1 S6	80 oct. P-line E,W,S.
→ MONTEZUMA H Fac.				DECOMMISSIONED
* Montezuma Int, 17, OH-CG (Iowa)	3 E;hwy N	953	32 L3	Poles N,SW,W.
Morton (Ill)	3 W;hwy N		33 S2	80 oct. Use NE/SW strip. Data unver.
Mt. Ayrport (Mt. Ayr, Iowa)	6.6 N;RR N	1100	21 S1	Ltd 80 oct. Poles N, NE.
Mt. Hawley (Peoria, Ill)	6.4 N;RR SW	700	28 S6	80,91 oct. P-lines SE.
Mt. Pleasant (Iowa)	2.6 ESE;RR N	727	19 S2	80 oct. S,SW
(P) Muscatine (Iowa)	6 SW;RR SE	546	36 S6	80 oct.
Nashville (Ill)	1 E;lake W		20 S1	80 oct. Data unver.
NEW FLORENCE H Fac (Int.) (Mo)	248(ST)(116.1)		BHTV	(4);116.1,122.1
* New Florence Int, 17, KC-LS (Mo)	1 SSE;hwy N	885	40 L3 S1	80 oct.
Newton (Iowa)	1.5 ENE;hwy S	950	22 S6	80 oct. Poles S
Nicholas (Marshall, Mo)	3.8 S;hwy W	770	26 S6	80 oct. Tree S.
Niederhauser Arwys (Grinnell, Iowa)	4.5 E	1000	26 S1	80 oct. P-line S
OLATHE Navy Range → (Kans)	233 (NUU)	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans	201(142.74)		CN (GCA)	(3);142.74 (8-18)
(N) Olathe Nas (Kans) (N)	5.2 SW;RR W	1085	53h L5 S6	100 oct.
OTTUMWA Tower (Iowa)	272 (142.74)		CN	(3); 142.74
(N) Ottumwa NAS (Iowa) (N)	6.4 NNW	841	52h L5 S6	73, 100 oct.
Ottumwa (Iowa)	3.6 N;RR N	830	32 S6	80,91 oct. P-line w.
Pekin (Ill)	4 S;RR E	505	29 S6	80,91 oct. P-lines SE.
Pella (Iowa)	3.5 SE;RR N	877	24 S6	80 oct. S,SW,W,NW.
PEORIA Range (Ill)	356 (PI)	178°, 2.3	SBMRAZ-DT	(4)
(P) [Peoria] (Ill)	4.8 WSW;rd E	659	44h L5 S6	80,91 oct. No flood or boundary lgts.
Phil-Larry (Roanoke, Ill)	4 W	474	23 S6	80 oct. Data unver.
Princeton (Ill)	3 N;creek N		18 S2	80 oct. Data unver.
NEW FACILITIES				
Excelsior Springs (Mo.)	1.6 W;hwy S	900	10 S2	80 oct. Bldg SSW
Tyler (Villisca, Iowa)	0.5 E;riv E	1055	18 S1	80 oct. P-line S
Lenox (Iowa)	1 N	1200	22 S1	80 oct. Trees S
Myers-Hughs (Lucerne, Mo)	0.4 SE;RR W	905	20 S2	80 oct. S blkd. Rough
Montgomery (Kahoka, Mo)	0.4 ENE;RR S	700	19 S2	80 oct. N,S blkd.
Lincoln Fly. Svc. (Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Quincy (Ill)	2.8 SE;hwy E	650	26 S6	80,91 oct. E blckd., P-line SE,S,SW.
(P) Quincy (new) (Ill)	9.5 E	760	54h	Data unver.
Red Oak (Iowa)	1.5 W;RR E	1044	26 S2	80 oct. P-line N.
ROSECRANS Tower (Mo)	278 (126.18, 118.7)		C	(4); 126.18,118.7,122.5
(NG) [Rosecrans] (St. Joseph, Mo)	4 NW;riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct, 2-ech maint NG. Fld lgts prior req.
Roth (Oskaloosa, Iowa)	2 SSE;RR NE	850	20 S2	80 oct. Trees sur fld
→ St. David (Ill)	1.5 SW;RR N			ABANDONED.
ST. JOSEPH Range (Rosecrans) (Mo)	341 (ZJ)(vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116.1, 122.1
ST. LOUIS Range (Lambert-St.Louis) (Mo)	209(LS)(vhf)	256°, 2.2	SBRAZ-DTXV	(3);116.1,122.1
SCOTT Army Range (Belleville) (Ill)	263 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill.)	396		CA	(4)
(A) Scott (Belleville, Ill) (A)	7.5 ENE;RR S	447	55h L5 S5	73,91,100 oct. IP-1.
Sedalia (Mo)	6.3 NW;RR S	820	30 S6	80 oct. Poles S.
(A) Sedalia AAF (Knobnoster, Mo) (A)	2.8 S;hwy N	848	72h	CLOSED
Seymour (Iowa)	2 NNW;RR S	1060	24 S1	80 oct. Hedge S.
Slater (Mo)	0.8 NW;hwy N	850	26 S2	80 oct. P-line adj N.
SPANISH LAKE H Fac (Mo)	219 (L)	69, 7.6	FMHW	(Cont.) St. Louis
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
Springfield (Ill)	3.5 SW;bet RRs	606	31 S6	80,91 oct. Use strips.
Sterling (Ill)	1.4 N;hwy E	645	25 S6	80,91 oct. E,SE blckd.
* Stuart Int, 8, OH-CG (Ia)	3.5 SE;rd E	1139	31 L3	P-line NE,E.
Taylorville (Ill)	1 SW.		26 S6	80 oct. Data unver.
Unionville Arwys (Mo)	1.5 ESE;hwy NE	1100	21 S2	80 oct. P-line N.
Vandalia (Ill)	4.4 NW	532	39h L3 S6	80 oct.
* Van Orin Int, 34, OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vaughn (Trenton, Mo)	1.2 NNW;RR E	790	26	
Venture (Ottumwa, Ia)	2.8 SSE;RR W	800	13 S6	80 oct. P-line N,W,NE
Versailles (Mo)	1.7 ENE;RR N	1050	20 S4	80 oct. P-lines sur fld.
Virden (Ill.)	1 WSW;RR E,S	640	25 S2	80 oct. P-line N,E. Soft.
VICHY (AAF) Range (Mo)	344(OM)(116.1)	310°, 2.7	BMRLZ-DTV	(4);116.1,122.1
(A) Vichy AAF (Mo) (A)	1.5 NNW	1120	55h	CLOSED. Hwy SW
Vogel (La Salle, Ill)	6.5 NNW;RR E	664	26 S2	80,90 oct. Soft when wet. Poles N, W
Warrensburg (Mo)	7.3 SSW;hwy E	860	23 S6	80 oct. Use strips only, P-lines SW,NW.
Washington (Iowa)	1.5 SSE;RR NE	769	26 S6	80 oct.
Weise Flying Service (Lone Tree, Iowa)	3.4 NE		26 S2	80 oct. Hi-line N. Data unver
Winterset (Iowa)	2 W;RR E	1130	21 S4	80 oct. Fence each end rnwy.
Wright (Garden City, Mo)	1.4 NNW;hwy SW	880	25 S1	80 oct. P-line S.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
KANSAS CITY	109.9	333.8	173°	IM-	MM- (2.6) OM- (4.65)
				MMK-221	OMK-248 (11.0
LAMBERT	110.3		238°	IM-	MM- (0.64 OM- 3.98)
				MMK201	OMK-
MOLINE	110.3	335	131°	IM-	MM- (0.71) OM- (4.4)
				MMK-	OMK-
				IM-	MM- OM-

NEW FACILITIES

Dewitt (Iowa)	1.5 ESE;RR S	710	23 S2	80 oct. S blckd.
Newton Fly. Svc. (Iowa)	3 W;hwy S	960	22 S2	80 oct. P-line SE.
Pittsville (Mo)	1.2 WNW;hwy S	925	20 S1	80 oct. P-line W. Trees
Stephenson (Macon, Mo)	3.5 SSE;RR W	850	26 S2	80 oct. P-line N E.
Bradshaw (Nebr)	1.3 NNE	1700	26 S6	80 oct. P-line N,S,NW.
Hall (Stratton, Nebr)	1 SE;RR, riv N	2850	27	Poles W, NW. Use strips.
Holdrege Mun. (new) (Neb)	2 ENE;RR, hwy S	2310	36 L1	Facs not installed but Soft when wet usable.
Lakeside (Franklin, Neb)	5 N;lake N	2120	13	
Ravenna (Nebr)	1 NNE	2070	22 S2	80 oct. Poles W. Use stps.
York (Nebr) Ia.)	1.8 N;hwy W	1662	30	Poles SW,NW. Use stps.
Adamson Arwys (Perry,	4.8 WSW;RR N	1000	17 S6	80 oct. P-line N.
Wylies (Gorin, Mo.)	3 WNW;riv W	1640	14 S2	80 oct. Use strips only
Embry (Trenton, Mo.)	5 SSE;hwy E	800	26 S2	80 oct. P-lines E. Trees W,
Depperman (Owensville, Mo)	0.7 NNW	900	28 S2	80 oct. Trees W,NW.
St. Clair (Mo.)	1.4 ENE	750	20 S2	80 oct. E,SSE,W blkd.
Palmyra (Mo.)	0.7 SE;hwy W	650	22 S2	80 oct. Trees S. P-lines W.
Ace High (Galt, Mo.)	3 SW;hwy N	937	29 S6	80 oct. Poles SW,N.
Carrollton (Mo.)	4.0 W;hwy W	700	20 S2	80 oct. P-lines NNE
Eldon Model Arpk (Eldon,	0.9 NE;RR SE		23 S2	80,91 oct Trees SSW

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

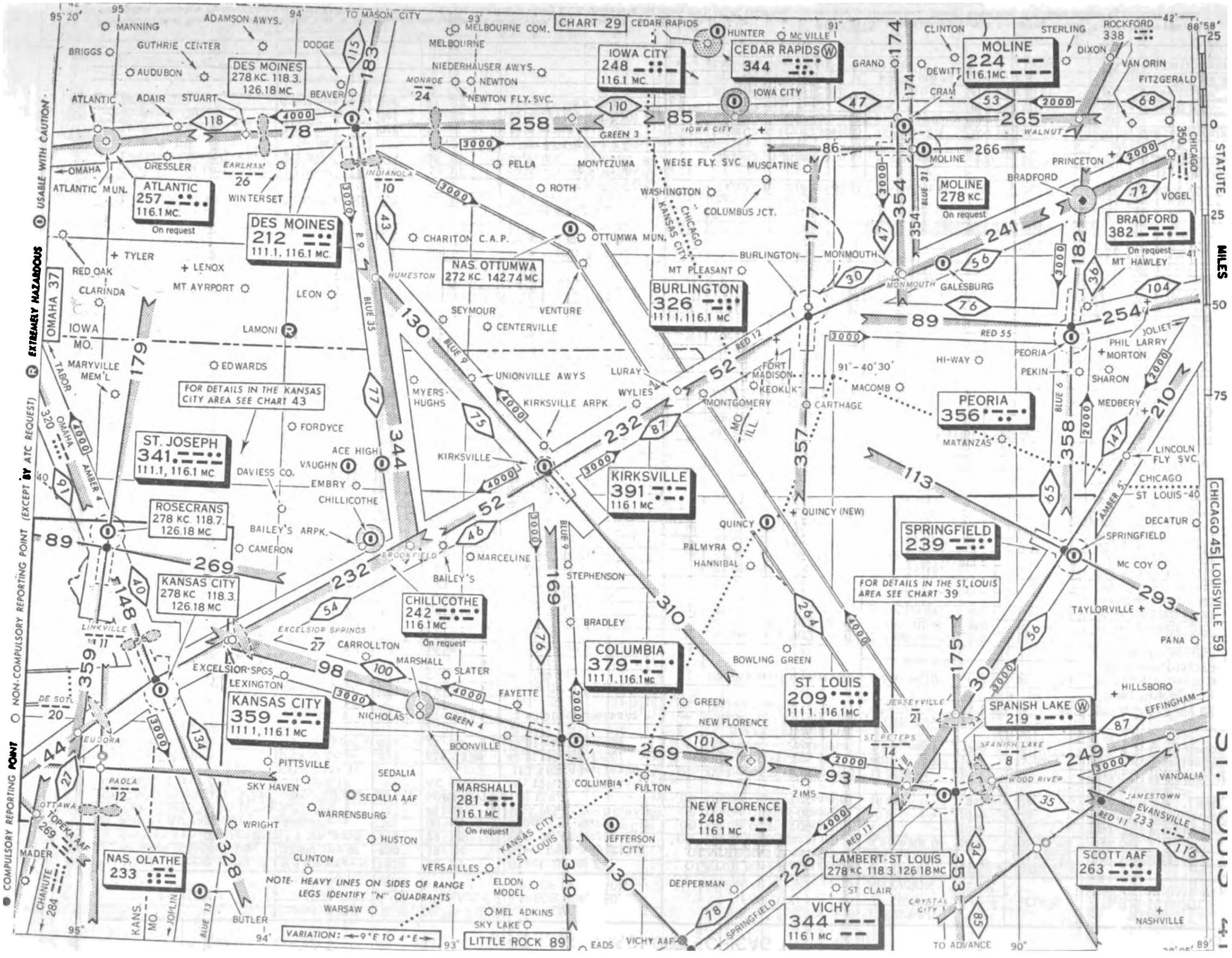


CHART 29
DES MOINES 278 KC. 118.3. 126.18 MC.
IOWA CITY 248 116.1 MC.
CEDAR RAPIDS (W) 344
MOLINE 224 116.1 MC.
ROCKFORD 338
ATLANTIC 257 116.1 MC. On request
DES MOINES 212 111.1, 116.1 MC.
NAS. OTTUMWA 272 KC. 142.74 MC
BURLINGTON 326 111.1, 116.1 MC
MOLINE 278 KC. On request
BRADFORD 382 On request
ST. JOSEPH 341 111.1, 116.1 MC
ROSECRANS 278 KC. 118.7. 126.18 MC
KANSAS CITY 278 KC 118.3. 126.18 MC
KANSAS CITY 359 111.1, 116.1 MC
CHILLICOTHE 242 116.1 MC On request
KIRKSVILLE 391 116.1 MC
MARSHALL 281 116.1 MC On request
COLUMBIA 379 111.1, 116.1 MC
NEW FLORENCE 248 116.1 MC
PEORIA 356
ST. LOUIS 209 111.1, 116.1 MC
SPANISH LAKE (W) 219
SPRINGFIELD 239
LAMBERT-ST LOUIS 278 KC 118.3, 126.18 MC
SCOTT AAF 263
NAS. OLATHE 233
VICHY 344 116.1 MC
NOTE- HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 9°E TO 4°E
FOR DETAILS IN THE KANSAS CITY AREA SEE CHART 43
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 39
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
CHICAGO 45 LOUISVILLE 59
ST. LOUIS 41

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→ Allman (Lenexa, Kans)	2.5 NNW;hwy N	1030	22 S1	80 oct. Hedge E.
Ashburn (Chicago, Ill)	12 SW;hwy W	620	16 S4	80 oct. Unsafe after rain
Ashland Ave. (Chicago, Ill)	1.5 NW;hwy S	675	29 S6	80,91 oct. Obsts sur fld.
(P) Aurora Airways (Ill)	3 NNW	701	30 S4	80 oct. Twr NE;poles E,W
Cedar Lake Fly. Svc (Cook, Ind)	0.5 E;hwy W	751	28 S4	80,91 oct. P-line NE,SE;SW.
CHICAGO Range (Ill)	350(CG)(116.1)	52°,2.2	SBRAZ-DTXV	(3); 116.1
CHICAGO Tower (Ill)	278 (126.18, 118.7,118.1)		AC (ILS)	(4); 126.18,118 7,118.1, 122.5 (GCA test basis)
(NGT) [Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
Chicago-Elmhurst (Elmhurst, Ill)	2.5 N;hwy SW	707	27 S6	80,91 oct. Poles S,E.
Chicago-Hammond (Lansing, Ill)	1.5 S;RR N	660	37 L3 S6	73,80,91 oct Obsts sur fld.
(A) Chicago-Orchard (Ill)	16 NW;RR W	657	58h L5 S6	100 oct; JP-1 fuel avail.
CHICAGO-ORCHARD Tower (Chicago, Ill)	396 (126.18)		C	(4); 126.18
Conard (Ottawa, Kans)	3.8 NNE;RR S	946	24 S6	80 oct P-line N;hedge S
Elgin (Ill)	2.2 N;hwy W	770	24h S1	80,91 oct.
FAIRFAX Tower (Kans)	278(126.18,118.9)		AC	(4);126 18,122.5,118.9
(A) Fairfax (Kans.City,Kans)	3 NE;RR E	746	65h L5 S4	81,100 oct. (A)
Fisher's (Edwardsv l,Kans)	1 ESE;RR N	770	26 S6	80,91 oct. P-line N.
Gardner (Kans)	1.4 WSW	1070	39	
Gault (Wellsville, Kans)	0.8 ESE;RR N	1020	20 S1	80 oct Trees E
GLENVIEW Navy Range (Ill)	269 (NBU)	140°,3.0	BMLZ-DT	(3); 140 58, 142 74
GLENVIEW NAS Tower (Glenview, Ill)	236 (142.74, 140.58)		CN	(3): 140 58; 3117 5 on req
(N) Glenview NAS (Ill) (N)	1.6 NW;RR W	654	63h L3 S6	91,100 oct. No sto.RR E
Grayslake (Ill)	1.1 ENE;rd W	791	26	Trees W,S,E
Hall's (Olathe, Kans)	2.6 SSE;RR W	1000	16 S2	73 oct. Cat'l on fld P-
Harlem (Oaklawn, Ill)	2.2 WNW;hwy W	619	26 S6	80 oct. P-line E line N.
HARVEY Range (Rubinkam)	385 (GH)	90°,2.2	MLWZ	(Ill)
Harrisonville (Mo)	2.1 W;RR N,S	910	18 S1,	73 oct. Use strips only.
Hawk's (Atchison, Kans)	1.3 WNW	1000	15 S2	80 oct. Poles N,SE.
Heart of America (Kans. City, Kans)	4 E;RR E	759	23 S6	80 oct. Poles,trees S Use strips only.
Hinsdale (Ill)	3 S;hwy SE	710	26 S6	73,80 oct. Rolling grnd
Howell (Blue Island, Ill)	3 W;hwy E	600	26 S6	80, 91 oct. strips only.
Independence (Mo)	5.8 ESE;RR S	825	24 S6	80,91 oct. Poles S. Use
JOLIET Range (Ill)	257(JO)(116.1)	126°,3.7	SBRAZ-DTV	(4); 116.1
Joliet,22,LS-CG (Ill)	5 W;riv W	580	30h L4 S4	80,91 oct Flood lgts prior req.after 2400.
Kane Co. (Elgin, Ill)	7 WNW;hwy E	910	21 S4	80 oct. Trees E,SE,NW
KANSAS CITY Range (Mo)	359(KC)(vhf)	148°,2.9	SBRAZ-DTXV	(3); 116 1, 122 1
KANSAS CITY Tower (Mo)	278 (126.18, 118.3)		AC (ILS)	(4); 126 18,118 3,122 5
[Kansas City] (Mo)	2.5 NW;riv W, S	744	52h L6 S6	No flood lgts. 80,91,100 oct. Poles E. Dike W. Floodlgts inop
(P) Kansas City-Grandview (Kansas City, Mo)	16.4 S;RR E	1072	55h L5 S6	80,91 oct. No flood lgts. P-line NE,SW.
Lawrence (Kans)	2.5 NNE;hwy S	832	32 L3 S6	80,91 oct. No bcn lgts prior req. P-lines W,E,SE,NE.
Leavenworth Lecompton	3.6 WSW	1125	26 S1	80 oct. Trees N. P-line NE,
Lewis-Lockport (Lockport, Ill)	2.2 WNW; hwy E	664	26 S6	80,91 oct (Kans) SW, Twr SE. Obsts sur fld
Mitchell (Lombard,Ill)	2.8 NNW	710	24	Data unver.
Momence (Ill)	3.5 SW;riv N	645	23 S2	80 oct. Trees NW,N,NE
Morris (Ill)	4.5 N;hwy W	590	21 S2	73 oct. Poles N,NNE

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
OLATHE Navy Range (Kans)	233 (NUU)	352°,2.9	BMRLZ	
OLATHE NAS Tower (Kans)	201 (142.74)		CN (GCA)	(3); 142.74 (8-18)
(N) Olathe NAS (Kans) (N)	5.2 SW;RR W	1085	53h L5 S6	100 oct.
(N) Olathe OLF #2 (Kans) (N)	5 SE	1090	16h	INACT. 4 W of Stanley.
(N) Olathe OLF #4 (Kans) (N)	10 S	1090	22h	INACT. 1.3 SE Spring-hill.
(N) Olathe OLF #7 (Kans) (N)	16 SSW	940	23h	INACT. 4 3 W of Hillsdale.
(N) Olathe OLF #9 (Kans) (N)	11 SE	1070	23h	INACT. 1 N of Stillwell
Ong (Kansas City, Mo)	9 SE;hwy NE	1050	31 S6	80,91 oct. Pwr line SW.
Osawatomie-Paola Mun. (Osawatomie, Kans)	3.8 N;pond S	960	25 S1	80 oct. P-line S. Hedge SW, N
★ Osborn Int,4,KC-MP (Mo)	1.5 NW;hwy S	1046	32 L3	
Ottawa (Kans)	5.3 S;RR W	975	34 L S6	80 oct. Port rnwy lgts. Rnwy data unver.
Pal-Waukee (Glenview, Ill)	5.5 WNW;RR S	642	30 L S6	80,91 oct. P-line N. Bcn flare pots, rdo rprs. Rnwy data unver.
Prosperi (Tinley Park, Ill)	1.7 SSW;hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW;RR N	650	18 S6	80 oct. Trees S. (Ill)
(NG) [Rosecrans] (St.Joseph, Mo)	4 NW;riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct, 2-ech maint. NG. Fld lgts prior req.
ROSECRANS Tower (St. Joseph, Mo.)	278 (126.18, 118.7)		C	(4); 126.18,118.7, 122.5
(P) Rubinkam (Harvey, Ill)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct. Use W part only.
St. Charles (Ill)	3.5 E;RR E,S	760	18h	P-line N.
ST JOSEPH Range (Rosecrans)	341(ZJ)(vhf)	359°,3.7	SBMRLZ-DTV	(3);116.1,122.1
SHERMAN Tower (Kans)	396 (126.18)+		CA	(3);126.18 Closed 2000-0800.
(A) Sherman (Ft.Leavenworth)	1 NNE;RR W	771	60 L5 S4	73,91,100 oct. (Kans) (A)
Sky Harbor (Northbrook, Ill)	1.6 NW;RR E	680	26 L S6	80,91 oct Flare pots. P-line S
Sky Haven (Bensenville, Ill)	1.5 SE;RR W,N	650	23 S4	80,91 oct Use strips.
State Line Arpk (Stanley)	3.8 NE;hwy E	1000	22 S1	80 oct Obst sur fld. (Kans)
Stinson (La Grange, Ill)	2 SE;hwy SE	644	25 S6	80,91 oct. P-line S,W
(P) Washington Park (Homewood, Ill)	1.5 SE;hwy E	625	30 S6	80,91 oct. Allway area
Will Co. (Steger, Ill)	0.5 S;RR W	740	15 S6	P-line S. No sto. or fuel
Wooddale (Ill)	1.5 N	711	30 S5	80 oct. Woods SSW;p-line W
York Township (Lombard, Ill)	2 SSW;hwy N	726	20 S6	80 oct. Use strips. P-line N,E

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LC L2R.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHICAGO	109.9	333.8	132°	IM-	MM- ·—·—(0.79)	OM- ——(5.8)
					MMK-201 ···	OMK-219 ·—··
KANSAS CITY	109.9	333.8	173°	IM-	MM- ·—·—(2.6)	OM- ——(4.65)
					MMK-221 ·—·—	OMK-248 —·— (11.0

NEW FACILITIES

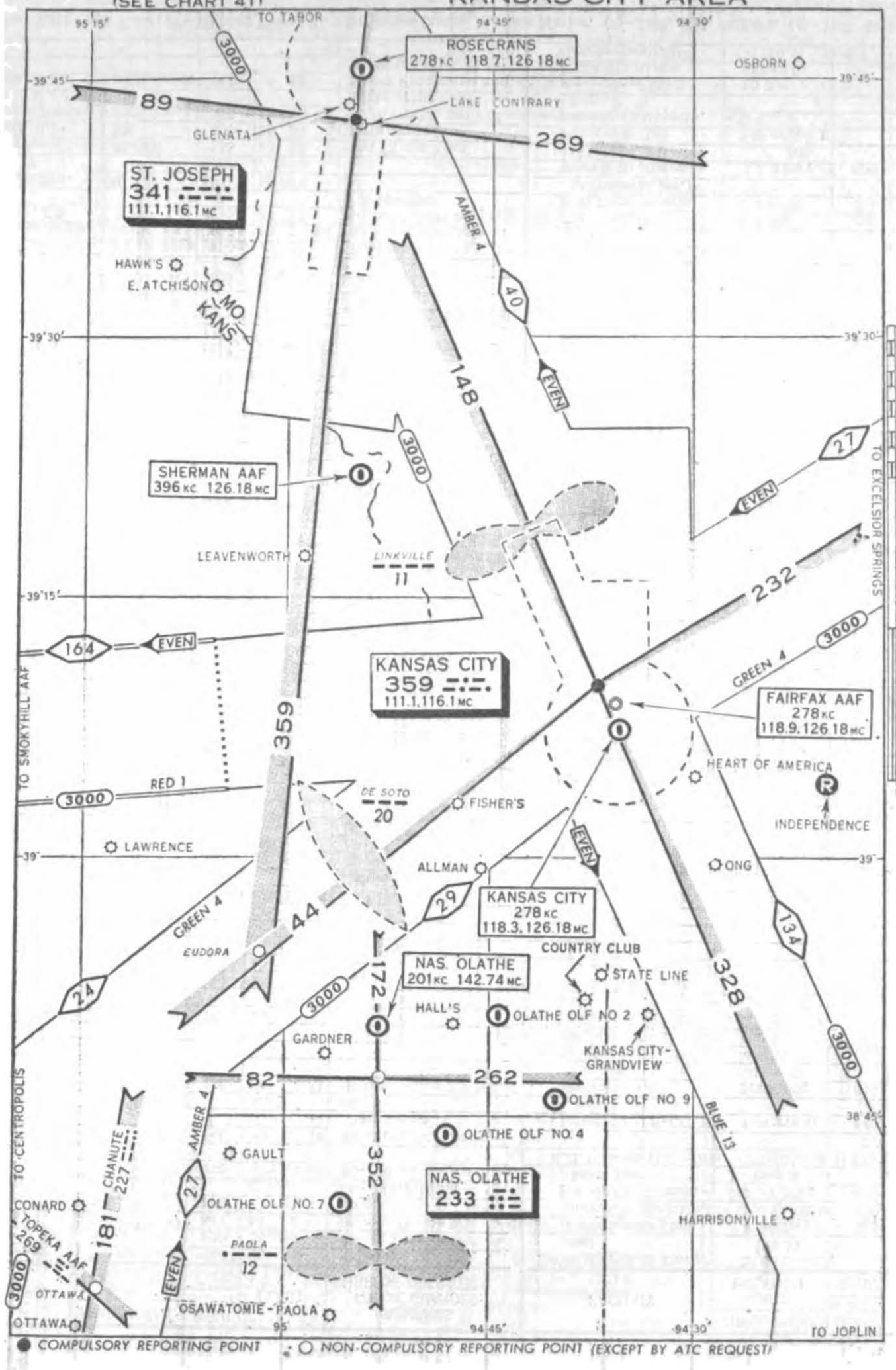
Triangle (Dyer, Ind.)	1.5 NE;RR E	630	33 S4	80,91 oct.
Lakeside (Gary, Ind.)	7.5 W		35 S4	73,80 oct. Data unver.
East Atchison (Rushville)	4.5 SW;riv W	790	24 S2	80 oct. N,NNW blkd. Use strips only. (Mo)
Glenota (St.Joseph, Mo)	6 WSW;riv N	800	26 S2	80 oct. N,E,W blkd. Use strips only.
Lake Contrary (St.Joseph)	6 SW;riv 2 N	800	21 S6	80 oct. Use strips only.
Lake Village (Ind.)	1 NW;hwy S	650	22 S4	80 oct.
Crown Point (Ind.)	2 N	650	27 S6	80 oct. Poles E,NE.
Stanley Co. Club (Kans)	2.5 NE;RR SE	1000	28 S1	80 oct. Poles SE,SW.
Skyway (Gary, Ind.)	4 WSW;RR W	630	19 S2	80 oct. Wires SE,SW,NW.
→ Lakeside (Gary, Ind)	7.5 W		35 S4	73,80 oct. Data unver.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. ✦ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: L - Hard surfaced runways. L - Lighting facilities. S - Servicing (see page xiii) →← New or revised data. [Closed] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are oriented and non-capitalized.

KANSAS CITY AREA

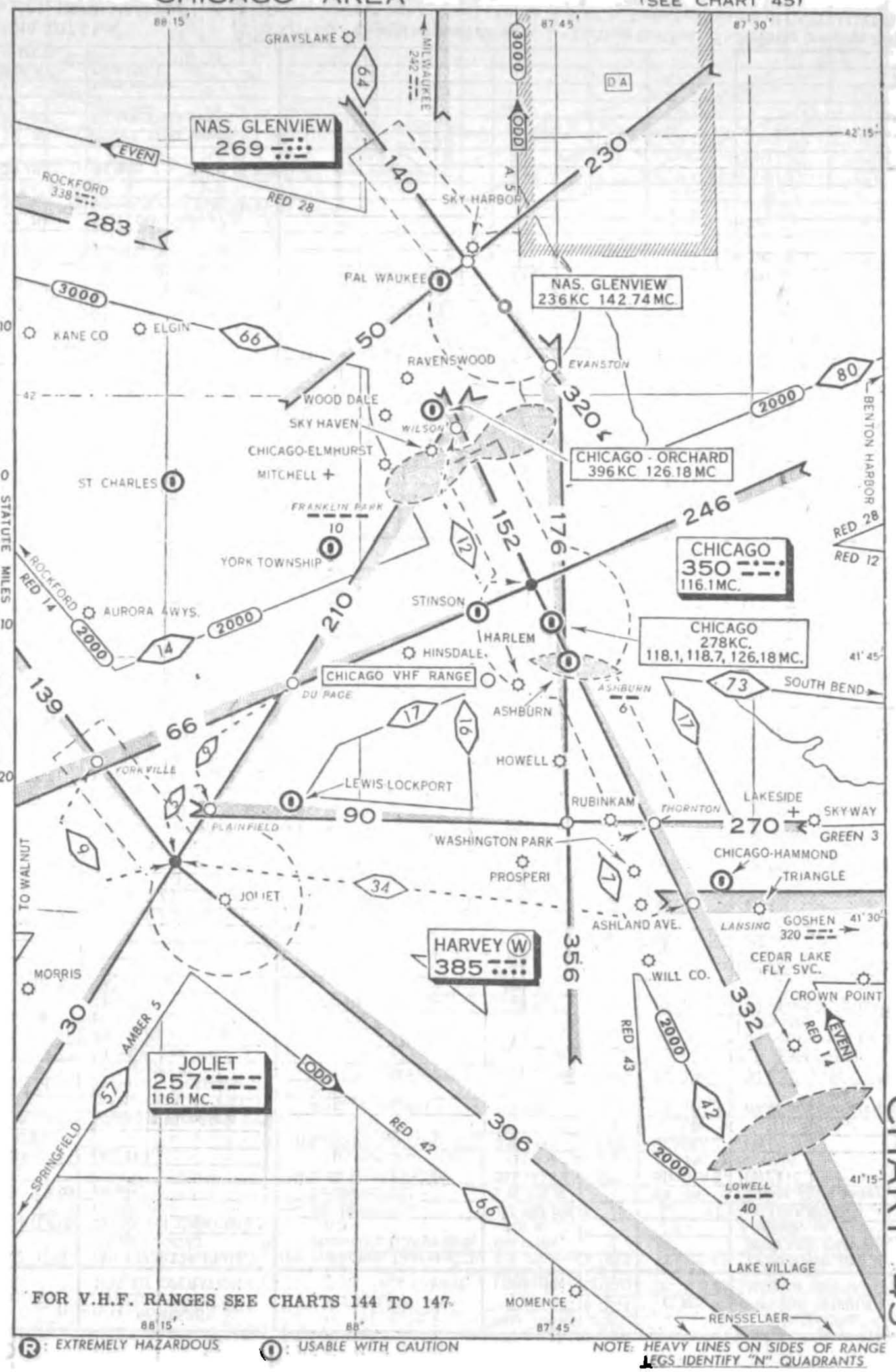
(SEE CHART 41)



● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

CHICAGO AREA

(SEE CHART 45)



FOR V.H.F. RANGES SEE CHARTS 144 TO 147

Ⓡ : EXTREMELY HAZARDOUS Ⓤ : USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 43

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albertus (Freeport,Ill)	3.8 SE;RR S	740	26 S6	73,80 oct. RR W.
Aretz (Lafayette,Ind)	4 NE	500	35 S6	80 oct.Data unver.
Attica (Ind)	2.5 SSE;hwy W	647	26 S2	80 oct. P-line W.
Bellevue (Iowa)	3 N;RR W	652	1[illegible] S1	80 oct.
BENDIX Tower (Ind)	278 (118.3)		C	(4); 118.3,122.5
[Bendix](South Bend, Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct.P-line E,S.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct.Port rnwy lgts.
BRADFORD H Fac.(Ill)	382 (MQ)		MHT	(4)
Bradford Int,29,KC-CG (Ill)	4.5 NNE	795	26 L3 S1	80 oct.P-line SW,NE.
Chain Lakes (South Bend, Ind)	5.2 W;hwy N,S	765	22 S3	80 oct.
Champaign (Ill)	2 NNW;hwy SW	753	28 S6	73,80 oct. W,NW,S blocked.
CHANUTE Army Range (Rantoul) (Ill)	365 (DNU)	43°,3.3	SBMRAZ	(3); 126.18
CHANUTE Tower (Ill)	396(126.18)+		CA	(3); 126.18
(A) Chanute AAF (Rantoul, Ill) (A)	1 SE;RR W	738	63h L5 S6	73,91,100oct.JP-1. Pole N
Cheever (Demotte,Ind)	3 W		29 S1	80 oct. Data unver.
CHICAGO Range (Ill)	350(CG)(116.1)	152°, 2.2	SBRAZ-DTXV	(3); 116.1
CHICAGO Tower (Ill)	278 (126.18, 118.7,118.1)		AC(ILS)	(4); 126.18,118.7,118.1, 122.5 (GCA test basis)
[Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
→ City (So.Haven,Mich)	4 S;RR W	640	35 S2	80 oct. Trees sur fld.
Clearview (Earlville)	3 E;hwy S		18 S1	80 oct.Data unver.(Ill)
Clinton Fly.Club(Ill)	4.8 NE	720	13	
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct.No sto.Port rnwy lgts SE,SW,NW.
Cooper (Tuscola,Ill)	1.6 SW;RR E	650	24 S6	73,80 oct,P-line N,NE.
Cork (West Lebanon, Ind)	4 W		24 S1	80 oct. Obsts NE. Data unver.
Cram (Davenport,Ia)	2.5 NW;RR SW	646	21 S6	80,91 oct.
Crown Point (Ind)	2 N	650	27 S6	80 oct.No sto.Poles E, NE
Culver (Ind)	2 E;lake W	815	26	
Danville (Ill)	2.4 SSW;hwy W	640	33 S6	80,91 oct.N blkd.P-line N,NE.Hedge SW
Decatur (Ill)	4 NW	678	29 S6	80,91 oct.P-line S,SW, W, NW.
(P) Decatur Park (Ill)	4 E;RR,hwy S	679	53h L5 S6	80,91 oct.No flood lgts
Dixon (Ill)	1.9 ESE;RR S	786	30 L1 S6	80,91 oct.Appchs blkd except E, NW
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct. Trees E. (Ill)
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct.Fld lgts prior req. E blkd.
Gamble (Hobart,Ind)	1.8 NNW;hwy S	650	25 S6	80,91 oct.P-line E,NE
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct.P-line E,SE, S, W, SW.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58,142.74
GLENVIEW Nas Tower (Ill)	236 (142.74, 140.58)		CN	(3); 140.58; 3117.5 on req.
(N) Glenview NAS (Ill)(N)	1.6 NW;RR W, E	654	63h L3 S6	91,100 oct.No sto.
Gordon (New Carlisle)	2.8 ESE;RR N	730	13 S1	Fuel avail.Poles E.(Ind)
Halsmer (Lafayette,Ind)	3 ESE;RR S	595	40 L S6	80,91 oct.Port lgts on
Hamilton (Polo, Ill)	2.3 NE	795	25 S3	80 oct.P-line N. req. E blocked.
HARVEY Range (Rubinkam)(Ill)	385 (GH)	90°, 2.2	MLWZ	
Highland (Perrysville)	2.8 WNW	585	23 S2	Ltd 73 oct (Ind)
Hi-Way (Fiatt, Ill)	1 NE	630	25 S4	Data unver.
(P) [Hulman](Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct.No sto.Fld lgts prior req.
Illini (Urbana, Ill)	2 NNE;hwy E	740	25 S6	80 oct.Floares on req. E,SE blkd.P-line SW.
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7 (Exper. GCA)
(P) [Indianapolis](Ind)	8 SW;hwy N	796	53h(L6) S6	73-100 oct.Exper lgtg
Interstate (De Kalb,Ill)	1.8 E;RR W	900	34h	CLOSED.
Jasper Co.(Rensselaer, Ind)	1.5 WNW; hwy S	676	32 L3 S4	80 oct.
JOLIET Range (Int.)(Ill)	257(JO)(116.1)	126°, 3.7	SBRAZ-DTV	(4); 116.1
Joliet, 22, LS-CG (Ill)	5 W;riv W	580	30h L4 S4	80,91 oct.Flood lgts prior req after 2400.
Kankakee (Ill) Ind.)	3.2 WSW; hwy E	625	26 S4	73,80 oct.Use strips only.Ditch N.
→ Kentland (Goodland,	4 WNW.	650	25 S4	80 oct,P-line NE.
Kingman Fly Svc.(Ind)	0.5 E;hwy N	710	26 S4	80 oct.No sto.Data unver.
→ Kishwaukee (Sycamore, Ill)	2.5 SW;riv N, S, E	830	19 S6	80 oct.P-lines N, NW.
LAFAYETTE Range (Purdue Univ.)(Ind)	227 (LF) (116.1)	50°, 2.4	BMLZ-DTV	(4); 116.1
La Porte (Ind)	2.5 SSW;RR W	801	29 L3 S6	80 oct.S&SW blkd.
Lockwood (Frankfort, Ind)	2.5 S;RR W	873	20 S6	80 oct.E,SE blkd.
Logan (Logansport,Ind)	7 S	594	15 S1	80 oct.P-line S.
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct.No sto. Appchs blocked, except SW. Port lgts prior req.
McCOOL H Fac.(Int)(Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
Machesney.7.CG-Twin Cities (Rockford,Ill)	6 NNE;riv NW	735	29 L3 S6	73,80 oct.E,S blkd.P-line SE.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct.N,NE blkd. P-line E,SE.
Matanzas (Havana,Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Medbery (Armington)	1 NE	650	26	Data unver. (Ill)
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct.P-line S,W.
Midway (Goshen,Ind)	5 NW		36	Data unver.
MOLINE Range (Ill)	224(MO) (116.1)	142° 12.0	SBRAZ-DTV	(4); 116.1 (ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req)
(P) [Moline] (Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct.100 oct.for Army. Poles NW.
Monticello (Chalmers. Ind)	3 ENE;RR W	650	19 S2	80 oct. Hwy W.
Morton (Groveland)	0.5 NNE;hwy N	792	24 S2	80 oct.P-line N,W.(Ill)
Mt. Hawley (Peoria,Ill)	6.4 N;RR SW	700	28 S6	80,91 oct.P-lines SE,S.
Ockley (Ind)	1 W		23	Pwrlines N,W. SW Trees E.Data unver.
Ottawa (Ill)	Adj NW		22 S2	80,91 oct.Data unver.
Paul S. Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S4	80,91 oct. P-line NE, SW.
Pecatonica (Ill)	1 N;hwy E	750	24 S6	73 oct. P-line E.
Pekin (Ill)	4 S;bet RRs	505	29 S6	80 oct.P-line W,N,E.
PEORIA Range (Ill)	356 (PI)	178°, 2.3	SBMRAZ-DT	(4)
(P) [Peoria] (Ill)	4.8 WSW rd E.	659	44h L5 S6	80,91 oct.No flood or boundary lgts.
Phil-Larry (Roanoke, Ill)	4 W	747	23 S6	80 oct. Data unver.
(P) Plymouth (Ind)	1.5 NW;RR E	898	32 S4	80,91 oct.Poles W,E.
Port O'the Woods (Annapolis,Ind.)	2.2 NNW.	560	33 S4	80 oct.Trees E,NE,WSW
Powell Brothers (Sheldon, Ill)	2.2 S;hwy NE	690	20 S2	80 oct.
Princeton (Ill)	3 N;creek N		18 S2	80 oct. Data unver.
Reimer (Lafayette, Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver
ROCKFORD Range (Machesney)(Ill)	338 (RD) (116.1)	45°, 1.7	SBRAZ-DTV	(4); 116.1
(P) Rubinkam (Harvey,Ill)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W
Russell's (Hoopeston, Ill)	6.5 WNW; RR S		13	PRIVATE.Data part, unver.
→ St. David (Ill)	1.5 SW;RR N			ABANDONED.
Sandwich (Ill)	1 W;RR N		18 S4	80 oct. Data unver.
SOUTH BEND Range (Bendix)(Ind)	215 (SN) (116.1)	75° 3.3	SBMRAZ-DTV	(3); 116.1
SPRINGFIELD Range (Ill)	239 (ZD)	113° 2.3	SBMRAZ-DT	(4)
Springfield (Ill)	3.5 SW; bet RRs	606	31 S6	80,91 oct.Use strips.
Stair (Mulberry, Ind)	0.3 NE;hwy S	650	16 S4	80 oct.No sto. P-line S. Data unver.
Starke Co.(Knox,Ind)	1.7 S		26 S3	80 oct.P-lines sur fld No sto.
Sterling (Ill)	1.4 NW; hwy E	645	25 S6	80,91 oct.E,SE blkd.
Stockton (Ill)	2.3 SSE	940	18 S1	80 oct. Data unver.
Streator Air Svc.(Ill)	2 ENE;hwy S	650	26 S4	80 oct. P-line E.
Triangle (Dyer,Ind)	1.5 NE;RR E	630	33 S4	80,91 oct.P-line S,SE. Bldg W.
Triangle Air Service (Wellsboro, Ind)	2 NNE; hwy S	800	23 S2	80 oct.
Twin Cities-Ross (Benton Harbor,Mich)	1.5 NNE; RR S	649	38h S6	80 oct. Poles E.
(P) University of Illinois (Champaign, Ill)	5.5 SSW; RR E	752	53h S6	80,91 oct. Flares on req.
Urschell (Valparaiso, Ind)	1.7 NNE; hwy E	766	26 S2	80 oct. P-line N.
* Van Orin Int, 34, OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vermillion (Danville, Ill)	4 E;RR N, SW	650	21 S4	80 oct.30' poles S.
Vogel (La Salle, Ill)	6.5 NNW; RR E	664	26 S2	80,90 oct.Soft when wet Poles N, W.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

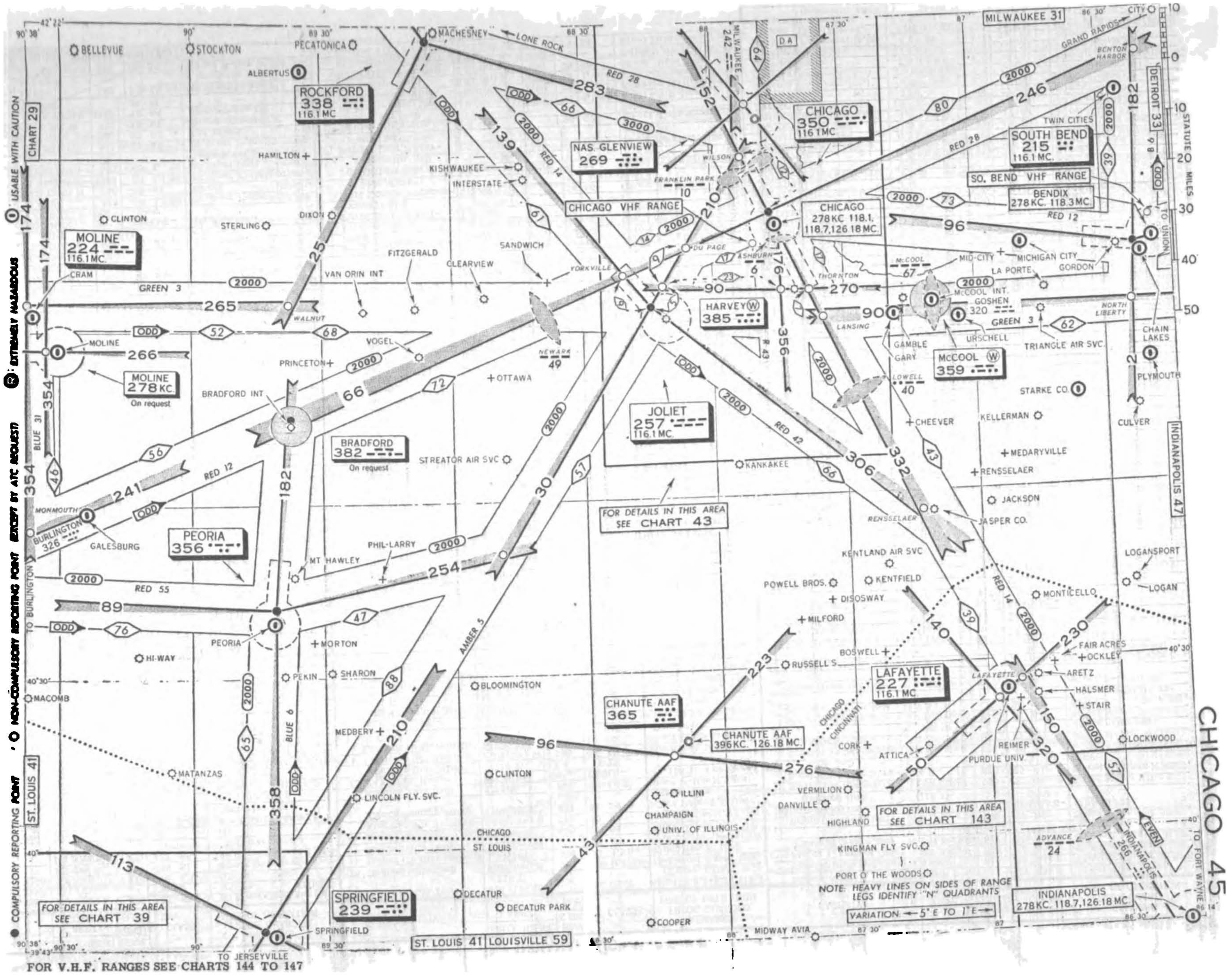
LOCATION	LC/LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CHICAGO	109.9	333.8	132°	MM- •—•—• (0.79)	OM- ——(5.8)
				MMK- 201 ••••	OMK- 219 •—••
MOLINE	110.3	335	131°	MM- •—•—• (0.71)	OM- ——(4.4)
				MMK-	OMK
				MM-	OM-
				MMK-	OMK
				MM-	OM-
				MMK-	OMK

NEW FACILITIES

Milford (Ill)	0.5 N; RR E	670	29 S5	80,91 oct. Tank ESE.
Kentfield (Kentland,Ind)	2.4 SSE;RR W	805	22 S4	80 oct Poles N,NE,SW,W
Starke Co. (Knox,Ind.)	0.9 S;hwy E	714	29 S6	80 oct P-lines NE,SE,SW,NW
Mid-City(Mich.City,Ind)	3 S	650	26 S4	80 oct.Wires N,S Data unver
Stewart Fld.(Danville,Ind)	1.5 E	750	25 S1	80 oct.Wires N,S Data unver
Elnora (Ind.)	.25 SE		18 S1	80 oct P-lines N Data unver
Boswell (Ind.)	1 N		15 S4	80 oct Data unver
Fair Acres(Buck Creek,Ind)	0.5 E	595	26 S2	80 oct Trees N Data unver
Skyway(Tolleston,Ind.)	4.5 N	630	18 S1	80 oct Trees NE Wires SE,NW
Kellerman Fld(N.Judson,Ind)	1.5 S;hwy E	650	17 S1	80 oct Wires SE Trees N
Sharon(Treemont, Ill)	1 SE;RR,hwy N	631	21 S6	80 oct.P-line NE
Lincoln Fly Svc.(Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N.
Jackson (Francesville,Ind.)	4.8 WSW	675	19 S2	80 oct.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 147

INDIANAPOLIS

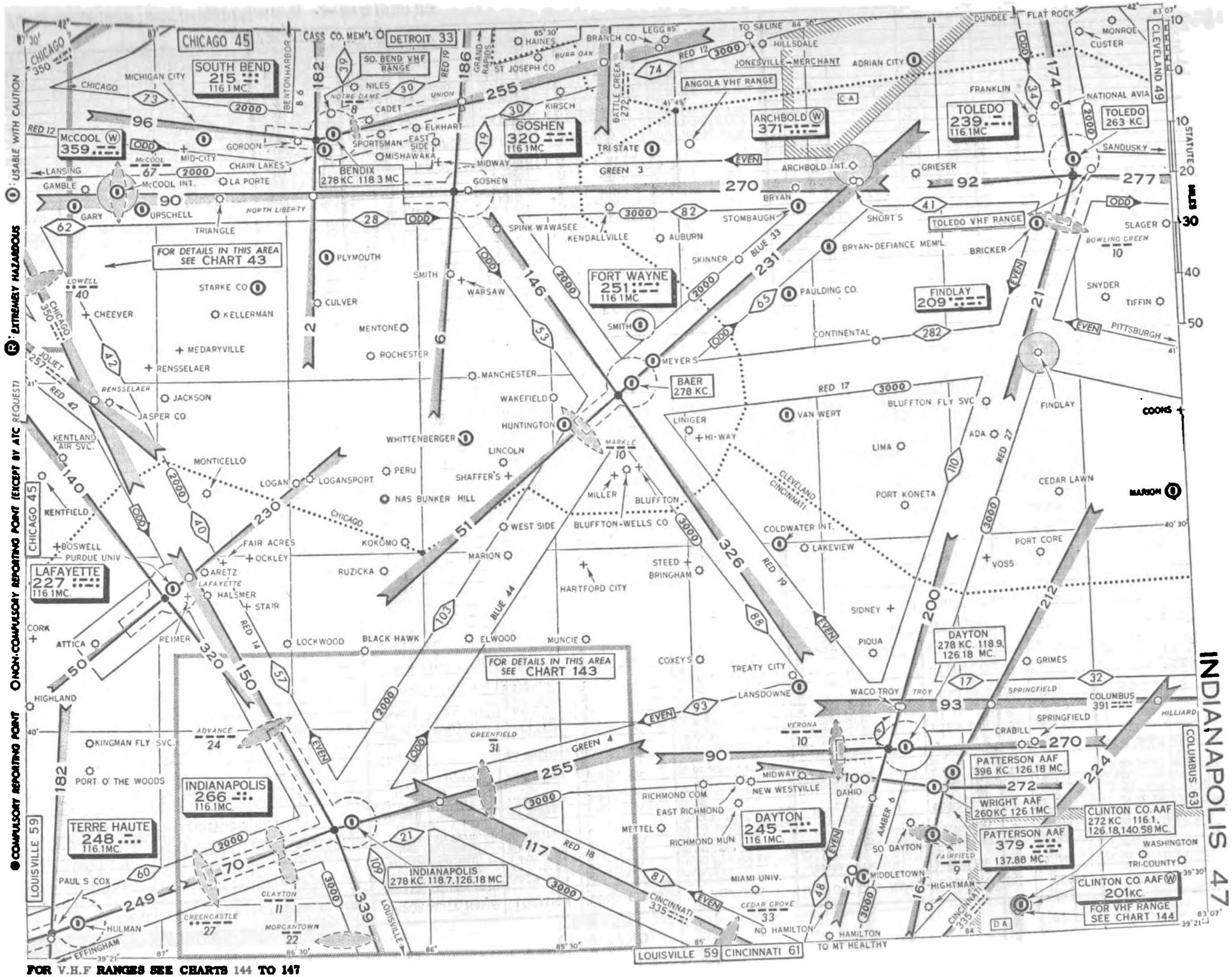
FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adrian City (Adrian)	3 SW;RR N	800	25 S6	80,91 oct.Obsts sur fld.
ARCHBOLD H Fac.(Ohio)	371 (YV)		MHW	(Cont.) [Mich)
* Archbold Int,18,CG-LG	3.5 NNW;RR N	716	28 L3	(Ohio)
Attica (Ind)	2 S;hwy W	647	26 S1	80 oct.Data unver.
Auburn (Ind)	1.3 NNW;RR E	872	27 S6	80,91 oct.P-lines E,W. Soft when wet.
BAER Tower (Ft.Wayne)	278		C	(4)
(A) [Baer](Ft.Wayne,Ind)	7.5 SSW; RR E	799	63h L5 S4	91 oct.100 oct.Army Fld lgts prior req.
BENDIX Tower (So.Bend)	278 (118.3)		C	(4); 118.3,122.5
[Bendix](So.Bend,Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct.P-line E,S
Black Hawk (Sheridan)	5.3 N;hwy E	925	17 S2	80 oct. (Ind)
Bluffton-Wells Co.	2.8 WSW;RR S	820	32 S4	(Bluffton,Ind.)80 oct.P-line
Bricker (Bowling Green)	1 NE,RR W	675	30 S4	80 oct. (Ohio) [NE,ESE.
Bringham(Portland,Ind)	1.5 E;RR E	1020	20	Poles S;120'tank SW.
Bryan-Defiance Mem'l (Defiance, Ohio)	5.2 NW,riv E	705	31 S2	73,80 oct.P-line S,E.
(N) Bunker Hill NAS (N)	1.8 W;RR N	798	50h	INACTIVE. (Ind)
Cadet (So.Bend,Ind)	6.5 NE;RR E	730	26 S4	80 oct.SE,E,SW,S blkd.
Cass Co.Memorial (Dowagiac,Mich)	1 NW	750	31 S4	80 oct.P-lines E.NE. S blocked.
Cedar Lawn (Kenton)	2.3 S;RR E	975	18 S2	80 oct.Poles E.(Ohio)
Chain Lakes (So.Bend)	5.2 W;hwy N,S	765	22 S3	80 oct. (Ind.)
Cheever(Demotte,Ind)	3 W		29 S1	80 oct.Data unver.
CLINTON CO.AAF Range	114.3 (DWO)		VARW	(8-1630 Mon.-Fri)
CLINTON CO. Army H Fac. (Ohio)	201	220° 0.2	MHW	(8-1630,Mon.-Fri.or on 30 min.notice)
CLINTON CO.Tower (O) (Wilmington, Ohio)	272 (126.18, 140.58,116.1)		CA(ILS-W) (GCA)	(3);126.18,137.7,116.1 Tr.on 137.88 on req.
(A) Clinton Co.AAF (Wilmington, Ohio) (A)	2 SE;hwy NE	1062	60h L5 S1	73,91,100 oct.JP-1. Rnwy lgts 1 hr's notice
* Coldwater Int,4,DY-GO	2 NW;crk NW	898	33 L3	(Ohio)
Coons(Nevada,Ohio)	0.3 NE;RR S		21 S2	80 oct.Data unver.
Cork(W.Lebanon,Ind)	4 W		24 S1	80 oct.Obsts NE.Data
Coxey's (Winchester, Ind)	1 ESE	1088	16 S6	80 oct.P-line unver. S,SW Stacks NW.
Crabill (Spri ngfld,Ohio)	2.5 SE;RR E	1040	29 S6	80 oct.P-line S.
Culver (Ind)	2 E;lk W	815	26	
Dahio (Dayton,Ohio)	8.5 W;hwy S	925	37 S4	80 oct.
DAYTON Range (Ohio)	245 (DY) (116.1)	90°, 3.2	SBMLZ-DTV	(3); 116.1
DAYTON Tower (Ohio)	278 (126.18, 118.9)		AC (ILS-W)	(4);122.5,126.18,118.9
(P) [Dayton] (Ohio)	10 N;hwy E	1007	55h L6 S6	73,81,91,100 oct.
→ Dr.Haines (Three Rivers, Mich)	See Haines under "New Facilities" - name changed.			Poles N (Ind)
E.Richmond (Richmond)	3.7 ESE;RR E	1090	20 L S6	80 oct.Flares on req.
Elkhart (Ind)	2.7 NNW	752	30 S6	80 oct.N,NE,SE,NW blkd.
Elwood (Ind)	2 S;hwy NW	850	23 S6	80 oct.P-line S.
FINDLAY H Fac.(Ohio)	209 (JF)		BMHT	(4) (cont)
→ Findlay (Ohio)	1.5 SSW	800	27 L4 S4	80 oct. Obst sur fld.
FORT WAYNE Range (Ind) (Baer Field)	251 (FW) (116.1)	51°, 3.5	BMRLZ-DTV	(4);116.1,122.1
Franklin (Toledo,Ohio)	4.5 WNW	630	32 S4	80 oct.Poles sur fld.RR S
Gamble (Hobart,Ind)	1.8 NNW; hwy S	650	25 S6	80,91 oct.P-line NE,E
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct.P-line E,SE,S.
Gordon (New Carlisle, Ind)	2.8 ESE; RR N	730	13 S1	Fuel avail. [SW,W Poles E.
GOSHEN Range (Ind)	320 (GO) (116.1)	90°, 2.7	SBRAZ-DTV	(4);116.1,122.1
(P) Goshen (Ind)	4.5 SSE	823	39 L3 S6	80,91 oct.P-line S,SE,SW
Grieser (Wauseon,Ohio)	2.5 E;RR N	750	24 S1	80 oct. [Riv S.
Grimes (Urbana,Ohio)	1.5 N;RR W	1055	35 L4 S6	80,91 oct.Fld lgts prior
Halsmer (Lafayette,Ind)	3 ESE;RR S	595	40 L S6	80,91 oct.Port [req. lgts on req.P-line SW.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW
Highland (Perrysv'l,Ind)	2.8 WNW	585	23 S2	Ltd 73 oct.
Hightman (Lebanon,Ohio)	3 E;RR W	880	16 S1	80 oct. Trees W,E.
Hillsdale (Mich)	1.6 NW;RR E	1160	19 S4	80 oct.Poles NE.
Hi-Way(Decatur,Ind.)	1.5 SW		25 S1	
(P) Hulman (Terre Haute, Ind)	5 ESE hwy N	585	53h L5 S4	80,91 oct.No sto.Fld lgts prior req.
Huntington Mun.(Ind)	2.5 SSE;riv S	825	22 S4	73 oct.P-line W,NW.
→ INDIANAPOLIS Range(Ind)	266 (ID) (116.1)	75°,3.2	SBRAZ-DTV	(3); 116.1
INDIANAPOLIS Tower	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7 (Exper. GCA)
(P) [Indianapolis](Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct.Exper lgtg.
Jasper Co.(Rensselaer)	1.5 WNW	676	32 L3 S4	80 oct.Hwy S. (Ind)
Kendallville (Ind)	2.2 N;hwy W		25 S4	80 oct.No sto.P-line SW.
→ Kentland(Goodland,Ind.)	4 WNW	650	25 S4	80 oct,P-line NE. [S.
Kingman Fly.Svc.(Ind)	1 ESE;hwy N	710	20 S4	80 oct.P-line N,NE,E.
Kirsch (Sturgis,Mich)	1 NW;RR E	922	24 S4	80 oct.Poles S,E.Use strips only.
Kokomo,mun.(Ind)	4.7 NE	827	40h L5 S2	80 oct.P-line N.Lgts
LAFAYETTE Range (Purdue Univ.)(Ind)	227 (LF) (116.1)	50°, 2.4	BMRL-DTV	(4); 116.1 [prior req.
Lakeview (Montezuma)	1 SW;hwy W	895	24 S2	80 oct.Pole N.(Ohio)
Lansdowne (Greenville) Ohio)	2 ESE;RR N	1208	19 S6	80 oct.Bldgs,hi-line N. Data unver.
La Porte (Ind)	2.5 SSW	801	29 L3 S6	80 oct.S&SW blkd.RR W
Legg (Coldwater,Mich)	1.5 NW	982	32 S4	80 oct. Trees E.
Lima (Ohio)	4 WNW	830	26 S6	80,91 oct.P-line N.RR
Lockwood (Frankfort,	2.5 S;RR W	873	20 S6	80 oct.E,SE blkd. [NE.
Logan (Logansport) (Ind)	7 S	594	15 S1	80 oct.P-line S. (Ind)
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct.No sto.Appchs blkd except S,SW.Port lgts prior req.
Manchester (No.Manchester, Ind)	1.5 W;RR E	752	20 S2	80 oct Poles S.
Marion (Ind)	3.8 SSW; hwy E	832	24 L S6	80,91 oct.P-line NE,E Port lgts on req.
Marion (Ohio)	2.5 WNW	915	28 S2	80 oct. RR S.
McCOOL H Fac. (Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Mettel (Connersv'l,Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
Meyers (Ft.Wayne,Ind)	3 SSE;rd S,E		24 S6	80,91 oct.Pwrline NE.
(P) Miami Univ.(Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N,NW.
Mid City(Mich.City,Ind)	3S	650	26 S4	80 oct Wires N
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct.P-line S,W.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E,SW.
Midway (Goshen,Ind)	5 NW		36	Data unver.
Midway (Lewisburg)	3.4 WSW;RR E	1090	26 S4	80 oct.Trees W.(Ohio)
Monticello(Chalmers)	3 ENE;RR W	650	19 S2	80 oct.Hwy W. (Ind)
Monroe (Newport,Mich)	3.5 SSE;lk SE	590	29 S4	80 oct.Trees NE,SE,SW
(P) Muncie (Ind)	3.5 N;RR SW	950	32h L4 S6	80,91 oct.Lgts on req.
National Avia.(Toledo, Ohio)	4.1 NNE; RR E	595	38 S6	91 oct.P-line S,W,NNE.
New Westville (New Paris, Ohio)	2.8 S;RR S	1180	21 S1	80 oct.Poles E,NW,SE.
Niles (Mich)	1.5 NE;RR NW	740	28 S2	80,91 oct.P-line NE,N
No.Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	No sto.Poles S. [blkd.
Ockley (Ind)	1 W		23	P-lines N,W.Trees E.
PATTERSON Armv Range (Fairfield)(Ohio)	379 (DPK) (137.88)	32°, 2.96	SBMRAZ-DTV	(4);137.88 [Data unver.
PATTERSON Tower	396 (126.18)+		CA(ILS-W) ◆:53,13	(4); 126.18
(A) Patterson (Fairfield)(A)	1.6 WSW	819	78h L6 S4	73,100 oct.JP-1.(Ohio)
Paul S.Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S4	80,91 oct P-line NE,SW
→ Paulding (Ohio)	1.8 NE;RR 2 W	720	25 S4	80 oct.S blkd.
Peru (Ind)	3.5 WSW	650	24 S6	80 oct.S,SW blkd.Riv E
Piqua (Ohio)	4 WNW;RR S	1000	19 S2	80 oct.Poles S,SE,SW.
(P) Plymouth (Ind)	1.5 NW;RR E	698	20 S6	80,91 oct.N,SE appch
Port Core (Rushsylvania, Ohio)	1.6 SSW; RR NW	1275	14	Poles NNE [clear.
Port Koneta (Wapakoneta, Ohio)	2,1 NNE;RR E		24 S6	80 oct.SW,W,NW blkd.
Port O'the Woods (Annapolis, Ind)	2.2 NNW creek N	560	33 S4	80 oct.Trees ENE,WSW
(P) Purdue Univ.(Lafayette, Ind)	2.5 W;RR N	605	35h L3 S6	80 oct.No sto.P-line N, stack NE.
Reimer (Lafayette,Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver.
Richmond,com. (Ind)	4 WSW;hwy N	1075	38 L1 S6	80,91 oct.P-line N,E.
(P) Richmond,mun.(Ind)	6 SSE;RR W	1139	55h L5 S1	80,91 oct.No flood lgts.
Rochester (Ind)	1.5 E;RR N	779	25 L S6	80,91 oct.Poles SE,NW,N.
Ruzicka(Kokomo,Ind)	2.5 S;hwy E	800	26 S6	80 oct. Pole E. [NE blkd.
St.Joseph Co.(Centerv'l)	5 SE;RR N	830	26	P-line N,NW blkd.(Mich)
Shaffer's (La Fontaine)	5 NE;hwys N,W		19 S4	80 oct.Data unver.(Ind)
Sidney (Ohio)	1 W;RR S		25 S2	80 oct. Data unver.
Skinner (Hicksv'l,Ohio)	1.6 NNW	810	26 S1	73 oct.Obsts sur fld.RRS
Slager (Fremont,Ohio)	2 NW;RR SW	630	19 S6	73,80 oct.No sto.P-line
Smith (Ft.Wayne,Ind)	4.5 N;bet RRs	831	35h L4 S6	80,91 oct.Lgts [N,E,SE. prior req.
Smith (Warsaw, Ind)	4 N	790	27 S2	80 oct.P-line NE,SSW.
SOUTH BEND Range (Bendix) (Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3);116.1,122.1
So.Dayton (Dayton,O)	5 SSW;RR W	750	32 S6	80 oct.No sto Hills S.
Spink-Wawasee (Svracuse, Ind)	3.4 E	880	15 S1	80 oct. P-lines N,NE,S, SW.
Sportsman (Mishawaka)	3.7 NE;riv S	760	26 S6	80 oct.Appchs blkd exc. N,NW.
Springfield (Ohio)	4.2 ESE: RR N	1050	27 L4	80 oct.No sto. [(Ind.) Lgts prior req.
Stair (Mulberry,Ind)	0.3 NE;hwy S	650	16 S4	80 oct.No sto.P-line S.
Starke Co.(Knox,Ind)	1.7 S		26 S3	80 oct.P- [Data unv. lines sur fld.No sto.
Steed (Portland,Ind)	1.5 NW;hwy E	1000	24 S4	80 oct.P-line N,NE.
Stombaugh(Bryan,Ohio)	0.5 S		24 S4	80 oct.No sto.Fence E; wire W.Data unver.
TERRE HAUTE Range (Hulman) (Ind)	248 (TH) (116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Tiffin (Ohio)	1.9 N;RR W	750	26 S4	80 oct.Poles E.
TOLEDO Range (Ohio)	239 (TL) (116.1)	10°, 2.7	SBMRAZ-DTV	(3); 116.1
TOLEDO Tower (Ohio)	263		C	(4)
(P) Toledo (Ohio)	8.2 SSE	623	42h L5 S4	80,91,100 oct. RR W.
Treaty City (Greenv'l)	1.5 NNE	1060	20 S4	80 oct.P-line W.(Ohio)
Triangle (Wellsboro)	2 NNE;hwy S	800	23 S2	80 oct. (Ind) [Hwy W
Tri-Co.(New Holland)	3 ESE;RR N	850	21 S1	80 oct. (Ohio)
(P) Tri-State (Angola,Ind)	4.2 W;lk W	900	35 S4	80,91 oct.P-line SE,S,SW
Urschell(Valparaiso)	1.7 NNE;hwy E	766	26 S4	80 oct.P-line N.(Ind)
Waco-Troy(Troy,Ohio)	1.8 SW;RR E	870	30 S6	80 oct.No sto.All appchs
Van Wert (Ohio)	1 WSW;hwy S	785	26 S6	80,91 oct.Poles [blkd. N,S,NW,NE.
Voss(Lewistown,Ohio)	5 WNW;hwy S		24 S2	80 oct.P-line S Data unv.
Wakefield(Huntington)	4 N;hwy E	750	30 S4	80 oct.P-lines SE,SW.(Ind)
Washington(Wash.C.H.)	4.5 ENE;RR S	910	22 S3	80 oct.P-line S.(Ohio)
West Side (Marion,Ind)	2.5 NW,hwy S	835	26 S6	80, 91 oct.
Whittenberger(Wabash)	1.5 NNW	770	20 S2	80 oct. Hwy E. (Ind)
WRIGHT Tower (Ohio)	260 (126.1)		CA	3105,4495; 126.1
(A) Wright (Dayton, Ohio)	5 ENE;RR	800	72h L5	(A)

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mes, Compass Locator in kcs

LOCATION	LC/LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK
DAYTON	110.3	335	55°	IM-	MM-	OM- (4.4)
					MMK-	OMK
INDIANAPOLIS(L6)	109.9	333.8	44°	IM-	MM- (0.89)	OM- (4.3)
					MMK- 201	OMK- 219
PATTERSON (A)	108.7	333.8	210°	IM- (0.09)	MM- (1.12)	OM- (4.5)
					MMK-	OMK

NEW FACILITIES

Mishawaka(Ind)	2 SE	700	35 S4	80,91 oct.NNE/SSW.
East Side(Elkhart,Ind)	2.5 E;RR N	750	28 S1	80 oct. [NNW/SSE blkd.
Kentfield (Ind)	2.4 SSE;RR W	805	22 S4	80 oct.Poles N,NE,SW,W.
Starke Co.(Knox,Ind)	0.9 S;hwy E	714	29 S6	80 oct.P-lines SW,NW,NE,
Custer(Monroe,Ind)	2.5 WNW	612	40 L1 S2	80 oct.Trees N,W,S, [SE.
Branch Co.(Coldwater,Mich)	2.7 WSW;RR S	990	31 S4	80oct.Hi-lines sur fld. Data unver
Miller(Liberty Ctr,Ind)	1 NE	800		
Warsaw (Ind)	3 NNE		30 S1	80oct.Wires S,N,NE.
Stewart(Danville,Ind)	1.5 E	750		80oct.Wires N,S Data unv.
Skyway(Tolleston,Ind)	4.5 N Griffith	630	18 S1	80oct.Trees NE;wires SE.
Boswell (Ind)	1 N		15 S4	80oct Data unv. [NW Data unv.
Fair Acres(Buck Crk,Ind)	0.5 E	595	26 S2	80oct.Trees N.Data unver.
Elnora (Ind)	0.4 SE		18 S1	80oct.P-lines N.Data unver.
Ada (Ohio)	1.5 NNW;hwy E	945	22 S4	80 oct.
Bluffton Fly.Svc. (Ohio)	1.3 ESE;hwy N	845	20 S4	80 oct. W blkd.
Liniger(Preble,Ind)	0.8 ESE;hwy N	750	24 S3	80 oct.P-line NE,SW,W.
Hartford City (Ind)	1.5 W	910	18 S1	Wires N.Data unver.
Kellerman (N. Judson, Ind)	1.5 S;hwy E	650	17 S2	80 oct,Wires SE.
Snyder (Fostoria,Ohio)	1.5 N;RR S	762	26 S4	80,91 oct.W. blkd.
Mentone (Ind.)	2 SW	800	22 S4	80 oct,P-line S.
Lincoln Fld, (Dora, Inc.)	3 SSW;hwy S	830	21 S1	80 oct,P-line E.
Short's (Archbold,Ohio)	1.5 NW;RR SE	783	20 S2	80 oct,S blkd.
Bryan (Ohio)	2.8 N;RR S	870	38 S1	80 oct,S,SW blkd,P-line W.
Continental (Ohio)	3 S;RR N	766	24 S1	80 oct,N,E,W blkd.
Jackson (Francesville,Inc.	4.8 W SW	675	16 S4	80 oct.
Haines (Three Rivers,	2.3 NE;riv SE	820	26 S2	80 oct.N,E,S blkd.(Mich)
→ Jonesville-Merchant (Jonesville,Mich)	2.5 WSW; lakes S	1070	22 S2	80 oct.Trees SE,P-line NE



FOR V.H.F RANGES SEE CHARTS 144 TO 147

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS GUARDED, HRS OF OPER., REMARKS
BISHOP (Flint)	278	C	(4);118.3,122.5
DETROIT CITY (Detroit)	278(118.5)	C	(4);122.5
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
DETROIT	338 (D)	MHW;329°,2.2	(Cont.) Detroit
FLINT	335(FN)(116.1)	MHTV	(3);116.1
ROMULUS	230(DT)(116.1)	SBRAZ-DTV;86°, 2.8	(3); 116.1
SAGINAW	212 (SI)	MHT	(4) (cont.)
SALINE FM	(- - -)	FM, 261°, 20	Romulus
SELFRIDGE (Mt. Clemens)(Army)	388 (DLD)	SBMRAZ;119°,2.0	(3); 126.18
Selfridge Field	396 (126.18) +	CA(ILS-W)	(3) only.
WIXOM FM	(- - - -)	FM, 344°, 20	Romulus
→ YPSILANTI (Willow Run)			DECOMMISSIONED
Willow Run Arpt.	332 (118.7)	C(ILS-W)	(4); 118.7

OHIO

AKRON	362(AX)(116.1)	BMRLZ-DTV	(3); 116.1
Akron Airport	272(118.9)	C; 45°, 0.4	(4);122.5,118.9
AKRON LFM	(-)	LFM, 45°, 4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM; 201°, 10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°, 13	Cleveland
→ CLEVELAND	344(CV)(116.1)	SBRAZ-DTXV; 100°, 0.7	(4);116.1
ELYRIA FM	(- - -)	FM, 280°, 10.9	Cleveland
FINDLAY	209 (JF)	BMHT	(4) (cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4) (cont.)
→ HOMERVILLE FM			DECOMMISSIONED
NORTH ROYALTON LFM	(- -)	LFM,145°, 10.8	Cleveland
PERRY (Int.)	332(PE)(116.1)	MHTV	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-DTV	(3); 116.1
Toledo Airport	263	C; 10°, 2.7	(4)
VERMILION FM	(. - - - -)	FM; 280°, 26	Cleveland

CANADA

WINDSOR, ONT.	353(QG)	SBRAZ-T;243°,3.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SELFRIDGE (A)	109.5	332.6	184°	IM- (0.23)	MM- ····· (0.83)	OM- -- (4.31)
					MMK-	OMK-
WILLOW RUN			50°	IM-	MM-	OM-
					MMK 341 – (0.65)	OMK 359·--(5.80)
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3165, 4495, 6210 kcs, (4)-3165, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 149.58 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW, blkd
Ann Arbor	4 S	835	28 L3 S6	80 oct. NE blkd. SW
Baker's (Port Huron)	3 NNW;RR NNE	585	27 S6	80 oct. Poles N,S,NE.
Berz (Birmingham)	1.5 E;RR SW	700	32 S2	80,91 oct. N blkd.
Big Beaver	0.8 E;hwy W	650	21 S6	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW;RR NW	781	50h R2 L5 S5	80,91 oct. P-line N
Burns (Detroit)	8.5 WSW;RR N	625	19 S6	80 oct. SW blkd.
Caro	3 WSW;RR SE	741	22 S2	80 oct. S,SE blocked.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct. Pole line N
Croswell City	1 W;RR, riv E	732	26 S1	80 oct. S blocked.
→ Dalton (Flushing)	2.2 E;riv SW	735	26 S4	80 oct N,S, blkd
(N) Detroit NAS (N)	17 SSW	594	47h R1 L5 S6	91,100 oct. P-line E.
DETROIT CITY	5.5 NE;RR S	625	53h R1 L4 S6	80,91 oct. Fee, com acft ARPT OF ENTRY.
Ford (Detroit)	8.8 SW;RR N	600	37h	PRIVATE.
Forrest (Fostoria)	3.4 S;riv SE	830	24 S1	80 oct. Poleline sur fld.
Gridley (Ypsilanti)	4.4 WSW;RR NW	840	24 S5	80 oct. Pole E;woods N.
Hance (Wyandotte)	2.5 W;hwy N,E	590	28 S6	80 oct. N blkd.
Hartsell Air Term. (Wayne)	3.5 NW;RR E	675	18 S6	80 oct. P-line E, trees ENE, W, WSW, WNW
Howell	0.8 N;lake E	930	20 L1 S1	80 oct.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct. Bcn prior req.
Krist-Port (Farmington)	3.8 N;jct rds	860	27 S6	80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE;RR S	830	34 S6	80 oct. Poles NW; bldg W,SW.
McEnnan (Ypsilanti)	2.7 SSW;rd E	738	23 S4	80 oct. Rd S.
McKinley (Fraser)	1.3 NW;RR E	620	27	Pole line E,NE.
Mettetal (Plymouth)	1.5 SSE;RR E	700	23 S6	73,80 oct. Poles N,W.
Milan	3.8 SW;RR SE	705	23 S2	80 oct. Poleline N
Monroe (Newport)	3.5 SSE; lk SE	590	29 S4	80 oct. Trees NE,SE, SW.
Nan-Bar (Flat Rock)	0.7 ENE;RR N	590	28 S6	80 oct. Smudge pots prior req. Data unver.
Nat'l Flying Service (Detroit)	11.5 WSW;RR N	635	29 S4	80 oct. Poles NE,NW.
(N) Newport OLF (N)	3 W, hwy E	608	20h	
Pontiac	6.4 WNW	970	21h L4 S6	80,91 oct.
(NG) Romulus	See Wayne Co. under "New Airports" - name changed.			
Roseville	0.5 S;hwy W	610	31 S6	80 oct. SE,SW blocked
Saginaw	4.5 E;RR N	601	33 R1 L4 S4	80,91 oct. Poles S,SE,SW
St Clair Co. (Port Huron)	5.5 SW;hwy S	650	23 L1 S5	80 oct. Poles L Lgts on req. NE,SE,SW,NW
Seely's (Davison)	4 WSW;RR N	780	20 S6	80 oct. N,NE blocked.
(A) Selfridge (Mt Clemens)(A)	3 E;lake NE	583	60h R3 L5 S6	73,100 oct. JP-1. Poles E. FOREIGN CLEAR STATION.
Skyhaven (Saginaw)	2 NNW;riv E	600	29 S2	80 oct. Trees NE.
Stinson (Wayne)	1.4 SW;RR E	664	25h	P-line NNE. PRIV.
Tecumseh	1.8 NNE;riv SW	815	26 S6	80 oct. P-lines. Wblkd
Thomas B. Joy (Detroit)	See Joy under "New Airports" - name changed.			
Triangle (Plymouth)	1.5 ESE;hwy S	700	26 S4	80 oct. 30' poles N.
Warren	1.6 WNW;RR E	625	23 S1	73 oct. Pole line N.
Washtenaw (Ann Arbor)	5 W	867	26 S2	80 oct Hi-line S. Data unver.
West's (Clio)	4 SW;rd E	690	21 S2	80 oct.
(P) Willow Run (Ypsilanti)	4 E;RR N; riv S	715	74h R2 L5 S1	90,100 oct. Rdo rec required.
Wings (Utica)	2.5 SW;RR E	630	23 S1	73 oct. N,NE blocked.

OHIO

(P) AKRON	3.4 SE;RR W	1042	44h R2 L5 S4	80,100 oct No sto. ARPT OF ENTRY.
Ashland	1.8 N;hwy W	1079	28 S4	80, 91 oct. Poleline W
(P) Bricker (Bowling Green)	1 NE;RR W	675	30 S4	80 oct E blocked
Coons (Nevada)	0.3 NE;RR S		21 S2	80 oct. Data unver.
Fenwick (Kellys Island) (NC)	1.3 NE;bay N	600	15	W blkd, trees S. Rough
Findlay	1.5 SSW	800	27 R1 L5 S4	80 oct. Hwy NW.
Franklin (Toledo)	4.5 WNW; RR S	630	32 S4	80 oct Pole line all sides.
→ Gage (Mansfield)	4.5 W;RR S	1360	13 S6	80 oct. Trees E.
Galion	1.5 WNW	1155	18 S2	80 oct. RR SE
* Hayesville Int, 27, LV-CV	2.5 WNW; hwy E	1300	30 R1 L3	
Hinde (Sandusky)	2.8 E;RR S	574	30 S6	80 oct. P-line SE,S. ARPT OF ENTRY.
Kent State	2.8 W;RR S	1120	36 S4	80 oct. No sto Pole line N.
Ling (Barberton)	3 WSW;RR N	1150	30 S6	80 oct. Obsts sur fld
McKinley (Canton)	2.3 NE;hwy SE	1100	32 S4	80 oct. Poles N,S,E.
Mansfield	3.8 N;RR E	1300	56h S6	80,91 oct.
Martin (Canton)	4 NNE;hwy SE	1080	30 L S6	80 oct. Pole line sur fld.
Medina Prichard (Medina)	3 WNW;RR NW,SE	1060	29 S6	80 oct. No sto. Poles S. Rnwy data unver.
Miller (North Benton)	1.5 W;RR SE	1070	28 S4	73 oct. Poles S.
National Aviation (Toledo)	4.1 NNE;RR E	595	38 S6	91 oct. Pole line S,W, NNE.
Noble (Massillon)	4.5 NNE;hwy W	1080	22 S6	80 oct. No sto. Poles SSW [Const. E/W rnwy
Norwalk	0.8 NE;RR W,	700	18 S2	80 oct. Poles W,SW.
→ Norwalk Airpark (NC)	2 NNE;RR W	690	29 S6	80 oct. Poles W,SW.
Parks Airpark (Norwalk)	4.5 S;hwy E, W	880	28 S2	80 oct. House NE,E.
Peninsula (Port Clinton)	3.5 E;RR S	587	36 L3	
* Perry Int, 4B, CV-AZ	2.3 NE;RR S	692	26 R1 L3	Poles E.
Port Bucyrus (Bucyrus)	2 S;RR NW,E	1000	26 S6	80 oct. Poles E.
Put-In-Bay	1.2 SSW	590	16	Pole line NW PRIV. ARPT OF ENTRY.
Slager (Fremont)	2 NW;RR SW	630	19 S6	73,80 oct No sto Pole line N,E,SE.
Snyder (Fostoria)	1.5 ENE;RR S	762	26 S4	80,91 oct. W blkd.
Taylorcraft (Alliance)	2.5 NNE;RR SE	1080	22h S5	80 oct No sto Poles sur fld.
Tiffin	1.9 N;RR W	750	26 S4	80 oct. Poles E.
(P) TOLEDO	8.2 SSE;RR W	623	42h R2 L5 S4	80,91,100 oct
Wellington	Adj NW;RR W	850	20 S2	80 oct Stacks NE. Data unver.
Westfield (LeRoy)	1.2 SSE;RR E, S	1030	25 S4	80 oct. Pole line W. Rnwy data unver.
→ Willard	1.6 SSW;RR NE	960	29 S6	80 oct Poles S,W
(P) Wooster	3 NNE;hwy SE	1150	32 S6	80 oct. Poles S,SE.

NEW AIRPORTS

Akron-Canton, (Ohio)	See Akron-Canton Arpt-Co. Fld under "New Arpts"			
(NG) Wayne Co. (Detroit, Mich) (NG)	16 SW;RR N	630	61h R1 S3	100 oct. T-ech maint NG ARPT OF ENTRY
Lodi (Ohio)	2.2 NE;hwy E	1135	25 S4	80 oct. Poles W, bldg NE
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW
Akron-Canton Arpt-County Fld (Canton,	8.5 NNW;RR 1W	1247	56h L6 S1	80,91 oct.
Newton Falls (Ohio)	2 SW;RR E	950	22 S1	
Tuttle Fld (North Madison, Ohio)	2.2 NW;lk N	625	16	80 oct, N blkd, P-line S.
Whiteley (Alliance, Ohio)	2 ESE;RR W	1065	16 S1	80 oct, N,S blkd.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted) → NEW OR REVISED DATA

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS

Ⓘ: USABLE WITH CAUTION

CLEVELAND 49

NOTE: HEAVY LINES ON SIDES OF CHART LEGEND IDENTIFY W. BOUNDARY

DETROIT AREA

DETROIT 33

JAMES CLEMENTS

SKYHAVEN

SAGINAW

CARO

SAGINAW 212

CROSWELL CITY

MICH. 3 D.A.

FLINT 335 (116.1)

On request

DALTON'S

WEST'S

FORREST

BISHOP 278 (118.3)

SEELY'S

LAPEER

BAKER'S

ST CLAIR CO MUN.

ALLEN'S

CENTER

OXFORD

SELFRIDGE AAF 388

PONTIAC

SELFRIDGE AAF 396 (126.18)

HIGHLAND

HOWELL

WIXOM 20

ROMULUS 230 (116.1)

WASHTENAW

ANN ARBOR

GRIDLEY

McENNAN

SALINE 20

MITCHELL BAY

ECORSE

FLAT ROCK

WILLOW RUN 332 (118.7)

NAN-BAR

GROSSE ILE NAS 269 (142.74)

MILAN

DUNDEE

TECUMSEH

CUSTER

MONROE

NEWPORT OLF

NATIONAL AVIATION

MICH

OHIO

FRANKLIN

TOLEDO 263

DETROIT

CLEVELAND

OHIO 6 D.A.

PUT-IN-BAY

PENINSULA

CLEVELAND V H F RANGE

VERMILION

ELYRIA

AVON LAKE

BRECKSVILLE

SANDUSKY

HINDE

BOWLING GREEN

BRICKER

SLAGER

TOLEDO 239 (116.1)

NORWALK

PARKS

TOLEDO V H F RANGE

SNYDER

TIFFIN

FINDLAY

WELLINGTON V H F RANGE

WILLARD

MANSFIELD

FINDLAY 209

ADA

BLUFFTON FLY SVC.

PORT BUCYRUS

GALION

DAYTON 245

COLUMBUS 63

COLUMBUS 391

HAYESVILLE

HAYESVILLE 329

TO NEWARK

TO PITTSBURGH

TO WELLSBURG

MEDINA

PRICHARD

LODI

LING

WESTFIELD

AKRON 272 (118.9)

ASHLAND

WOOSTER

AKRON-CANTON

AKRON 362 (116.1)

KENT STATE

MILLER

TAYLORCRAFT

WHITELEY

McKINLEY

NOBLE

MARTIN

CLEVELAND

PITTSBURGH

NEWTON FALLS

PERRY

PERRY 332 (116.1)

TUTTLE

CLEVELAND 344 (116.1)

FOR DETAILS IN CLEVELAND AREA SEE CHART 141

WINDSOR 353

CHATHAM

CLEAR CREEK 248

CAN. OHIO

BUFFALO 51

TO ERIE

TO YOUNGSTOWN

TO LANSING

TO BURR OAK

TO ARCHBOLD

TO FORT WAYNE

TO TROY

WIXOM 20

BIG BEAVER

McKINLEY

BERZ

KRIST-PORT

WARREN

THOMAS B. JOY

ROSEVILLE

WINDSOR

RED 20

DETROIT CITY 278

DETROIT 338

METTETAL

TRIANGLE

BURNS

NATIONAL FLY SVC.

HARTSELL AIR TERM

FORD

STINSON

HANCE

WAYNE CO.

ROMULUS 230 (116.1)

SCALE OF MILES

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albert (Wallaceton, Pa)	3 ENE;rd N	1750	30 S6	80,91 oct.P-lines sur fld.
Angola (N.Y.)	1.4 N;RR SE	610	15 S1	80 oct.
Arcade (N.Y.)	2 N;RR E,W	1740	22 S4	Ltd 80 oct. No sto.
Ashtabula (Ohio)	3.1 W;lake N	621	17 S2	80 oct.
Audubon (Getzville, N.Y.)	1.7 SSW;RR N,SW	580	19 S6	80 oct.
(P) Batavia (N.Y.)	2.4 NNE;rd W	910	30 S6	80 oct.P-line W. Trees E.
Becker (Brockton, N.Y.)	0.7 S;RR S	320	15	
Bernard (Youngstown, Ohio)	3.4 E;lake NE	1140	28 S6	73,80 oct.P-line N,S,W.
Bird (Youngstown, Ohio)	2.6 NE;RR W	1000	23 S4	80,91 oct. P-line W, N.E.
Braebreeze (Marchand, Pa)	0.3 N;RR NW	1600	18 S2	80 oct. Trees N,NE
Brockway (Pa)	1.3 NE	1700	18 S2	80 oct.Trees SE,NW
Brokenstraw (Youngsville,Pa)	2.6 W;RR S	1230	19 S6	80 oct.P-line NE,SW,WSW
BROOKVILLE H Fac. (Pa)	391 (BR)		MHW	
★ Brookville Int,45A,CG-LG (Pa)	2 WSW;RR E	1416	30 L3	Trees E,W,SW.
Buffalo Arpk (Gardenville,N.Y.)	1.5 ENE;rd S	680	27 S6	80 oct.
BUFFALO Range (N.Y.)	260(BJ)(116.1)	230°, 0.9	SBRAZ-DTXV	(3); 116.1
BUFFALO Tower (N.Y.)	278 (126.18, 118.5)		AC (ILS)	(4); 126.18,122.5,118.5
(A) [Buffalo] (N.Y.)	6.1 ENE;RR NE	711	56h L6 S6	80-100 oct.;100 oct.Army. ARPT OF ENTRY.
Butler-Alameda (Butler, Pa)	3.4 WNW	1340	24 S6	80 oct. P-line E.
CLEAR CREEK Range (Ontario,Can)	248 (QO)		BRAZ-T	(4)
Clearfield (Pa)	1.5 WSW;RR SE	1220	20 S1	80 oct. P-line NE.
Conneaut (Ohio)	See Lakeville			
Conneaut Lake (Pa)	1.7 WSW;hwy SE	1250	19 S3	80,91 oct.P-line SE end.
Conway (Pa)	0.7 N	950	24 S4	80 oct.Hill N Rnwy data
Country Club (Clarence,N.Y.)	2.3 E;RR S	800	36 L S6	80 oct. Trees SW unver. Port lgts on req.
County (No.Tonawanda,N.Y.)	3.4 E;RR SW	577	21 S4	80 oct.
→ DUNKIRK H Fac. (N.Y.)	239(DK)(116.1)		MHTV	(4);116.1
(P) Dunkirk (N.Y.)	3 E;RR N,S	692	40h L5 S6	80, 91 oct.
Dubois (Pa)	1.7 ESE;RR NE	1575	30 S6	80, 91 oct P-line W.
ERIE Range (Port Erie) (Pa)	371(ER)(116.1)	64°, 2.0	SBMRAZ-DTV	(4); 116.1
Erie City (Kearsarge, Pa)	0.5 W;hwy E	900	29 L S6	80,91 oct.Port rnwy lgts. P-line SE.
Erie County (Erie, Pa)	11.6 SW;hwy N	805	24 S6	80 oct.P-line SSE,NW.
Falconer (N.Y.)	1.3 NNE;RR S	1250	22 S4	80 oct Obsts sur fld.
Fredonia (N.Y.)	3.5 W;RR SE	620	26 S2	80 oct.P-line N,E.
Gowanda (N.Y.)	1.4 NNW;crk W	760	22 S6	80 oct. No sto.
Graf (Lockport, N.Y.)	2.8 N;RR S	380	15 S6	80 oct.
Green (Ridgeway, Pa)	3 NW;hwy 1 E	1720	21 S1	80 oct.
Greenville (Pa)	3 W; RR E	1180	17 S2	80 oct. P-line S,SW.
Grove City (Pa)	2.1 SSE;RR E	1275	19 S4	80 oct.
Hall (Warren, Ohio)	3.5 ENE;RR NW	900	26 S2	73,80 oct.Poles E.
→ Hamburg Arpk(N.Y.)	2 NNW;RR,hwy W	722	23h S4	80 oct. P-line NE.
Harri-Emery (Bradford,Pa)	2.3 WSW;hwy N	1490	20 S4	80 oct.
→ Hayes (Blasdell, N.Y.)	0.7 SSE;RR,E,W			ABANDONED.
Jamestown (N.Y.)	4.1 N;hwy E	1719	27h S6	80 oct. Trees S.
Keystone Park (Emporium,Pa)	0.5 SW	1210	15	P-line SW,NE.
Kylertown (Pa)	1 WNW	1660	40 S6	80 oct. Trees N,WNW.
Lakeview (Burt, N.Y.)	2.2 W;RR S	300	13	
Lake View (N.Y.)	1.5 E;hwy W	750	19 S2	80 oct.
Lakeville (Conneaut, Ohio)	2 ESE;RR N	670	18 S4	80 oct.P-line N,NE,NW.
Lee (Lockport, N. Y.)	1.8 SSE;hwy N	640	18h S2	80 oct. P-line N.
(P) McKean Co. (Bradford, Pa)	11 S;RR SW	2140	45h S1	80 oct
Medina (N.Y.)	2 W;RR S	500	21 S1	80 oct. Obsts sur fld.
Mercer (Pa)	4.8 NNE;RR W	1300	20 L1 S6	80 oct.
Merry's Pymatuning(Linesv'l,Pa)	1.5 NW;RR E	1200	21 S2	80 oct.P-line NNE.
MILBROOK Range (Pa)	109.1 (MC)		VARW	
Mount Jewett (Pa)	0.8 ESE;hwy N	2240	19 S2	80,91 oct.Trees NE,W.
→ NIAGARA FALLS Tower (N.Y.)	272 (126.18)		CI	(4); 126.18,122.5(7-21)
(P) [Niagara Falls] (N.Y.)	4 E;hwy S	587	55h L5 S2	80-100 oct
New Castle (Pa)	4 WNW;hwy SE	1080	29h S5	80 oct.
Olean (N.Y.)	1.8 SE;RR N	1440	22 S6	80 oct.Trees W,N;hill S
Orchard Park (N.Y.)	2.2 N;hwys W	775	20 S3	80 oct.
Osceola Mills (Pa)	0.5 NE;hwy N	1640	26 S2	80 oct. P-line E.
Palmer (Olcott, N.Y.)	1.2 SSW;RR S	315	17 S2	73 oct. P-line E.
Parker Cramer (Clarion, Pa)	1 ENE;riv N	1480	28 S6	80,91 oct. Trees N,E,S.
Patterson (Beaver Falls,Pa)	1.5 S;RR,riv E	1020	26 S4	80 oct.
Penn-Mead (Meadville, Pa)	3 SSW;hwy E	1365	20 S2	73 oct.
-Pembroke Arpk(E.Pembroke,N.Y)	2.5 W;hwy S	900	17 S2	80 oct. Trees SW,W.
Penn-Mead (Meadvi lle, Pa)	4 SW;hwy E	1365	20 S3	80 oct. Trees N,E,S,W.
Perry Central (N.Y.)	1.7 NNW;lk SSW	1400	23	P-line,trees N,E.
→ Perry (Mars, Pa)	5 E;hwy E	1060	25 S6	80 oct. N blocked.
PHILLIPSBURG Range (Pa)	224(MJ)(116.1)	169°,5.0	SBRAZ-DTV	(4); 116.1(Black Moshannon)
PHILIPSBURG Range (Pa)	108.7 (MJ)		VARW	
Philipsburg,51A,CG-LG (Pa)	See Black Moshannon,51A,CG-LG under "New Facilities" -name changed			
Pittsburgh-Butler (Butler, Pa)	6.2 SSW;hwy E	1235	49 L1 S6	80 oct. Flood lgts on req.
[Port Erie] (Erie, Pa)	6 WSW;RR SE	735	45h L6 S6	80,91 oct P-line E,S
Port Lawrence (Corry, Pa)	1.2 S;RR N	1745	23 S2	80 oct.Trees SE,W,NW.
Port Meadville (Meadville,Pa)	3.4 W;hwy S	1400	32h L4 S6	80,91 oct.Flood lgts on req.
Port Warren (Warren, Ohio)	1.5 N;RR W		24 S1	80 oct. Data unver. Trees NE
Punxsutawney (Pa)	3 NE;hwy S	1470	22 S2	Ltd 80 oct.P-line ESE,S
Ripley (N.Y.)	1.4 WNW;lake N	650	22 S4	80 oct, No sto.
St. Mary's (Pa)	3.2 ESE;RR W	1900	21	
Salamanca (N.Y.)	1.6 W;RR, N,S	1370	12 S6	80 oct.
Scott (Lancaster, N.Y.)	1.5 E;RR N,S	680	22 S1	80 oct.P-line SW.Rnwy data
Shawnee (North Tonawanda,N.Y)	4.5 NNE;riv SE	580	33 S6	80 oct.P-line E,W. unver.
Sheridan (Williamsville, N.Y.)	2.5 NE;hwy SE	640	38 S6	80 oct. No sto.
Silver Creek (N.Y.) (NC)	1 WSW;hwy SE	720	11	Trees E,NW.
Silver Springs (N.Y.)	0.5 E;lake NE	1420	15 S1	80 oct.
→ Sky Harbor (Williamsfield,Ohio)	1 S;hwy E			ABANDONED.
Splane Memorial (Oil City, Pa)	4.1 NNW;hwy E	1490	22h S6	80,91 oct. Trees N,E,S
Springville (N.Y.)	1.5 NE;RR W	1395	26 S4	80 oct.P-line N,E.Rnwy data unver.
Steffen (E. Amherst, N.Y.)	3.5 N	582	22 S6	80 oct. Obsts sur fld.
Swaney (E.Liverpool, Ohio)	4.9 NW;crk SE	1170	22 S2	80 oct.
Titusville (Pa)	3.7 WSW	1600	23 S6	80 oct.Pwr line E,NE.
Tonawanda (N.Y.)	3 SSW;RR E	610	30h S4	80 oct.Rough.Obsts sur fld.
TORONTO Range (Ontario,Canada)	368 (YZ)	17°, 4.0	SBRAZ-TX	3105,6210,3117.5
Transit (Depew, N.Y.)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Tyndall (Warren, Ohio)	6 NNW;RR E	940	28 L1 S4	80 oct. N,S,W blkd.
Utahville (Pa)	1 N;RR S	1800	22 S6	80 oct. Ltd 91 oct.
Warren (Pa)	2 WSW;RR N	1100	23h S6	80 oct. P-line WNW.
Warren Airways (Ohio)	2.3 WNW;hwy N	900	25 S4	80 oct.Trees S,WNW.
Watson (Youngstown, Ohio)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
Werle (Dunkirk, N.Y.)	1.8 ENE;RR N,S	640	22 S1	80 oct.Poles,trees sur fld.
Westfield (N.Y.)(NC)	1.5 WSW;hwy N	758	18	S blocked.
Wilson Flying Field (N.Y.)	2.5 SSW;RR NW	310	18	ESE blocked.
YOUNGSTOWN Range (Ohio)	212(CT)(116.1)	185°,3.4	BMRLZ-DTV	(3); 116.1
YOUNGSTOWN Tower (Ohio)	278		C	(4)
[Youngstown] (Ohio)	11 N;hwy E	1178	39h L5 S6	80,91 oct.100 oct.on req.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

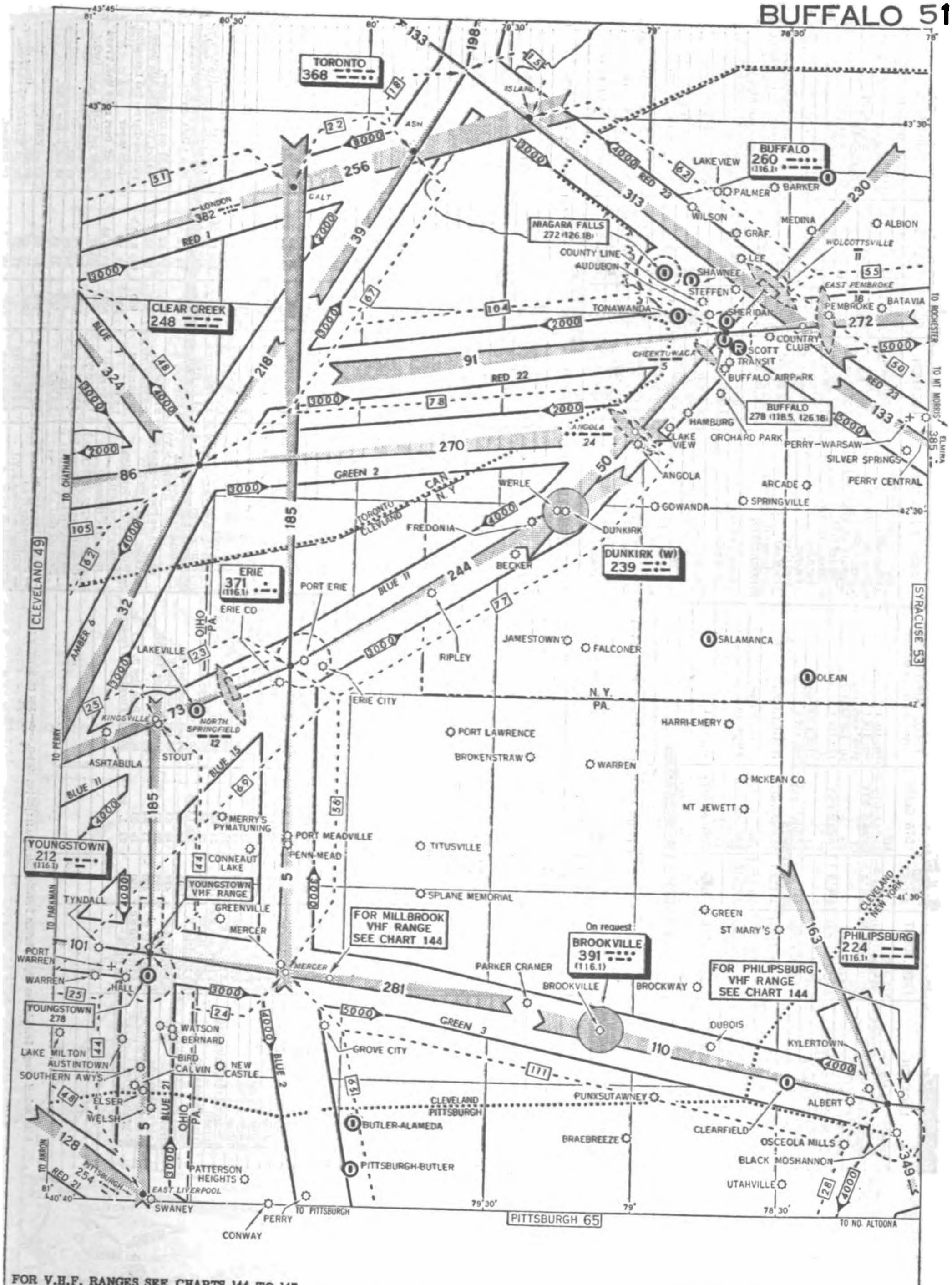
LOCATION	LC LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BUFFALO	109.9	333.8	232°	IM-	MM- · — · —(0.66)	OM- — — (4,20)
					MMK-	OMK- 201 — · · —
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Lake Milton (Ohio)	0.4 W;lake E	950	17	Rough.P-line NE,E.
Southern Airways(Woodsworth)	2.5 NNW;hwy N	1040	27 S4	80 oct.E blkd. (Ohio)
Welsh Fly.Svc.(No.Lima,Ohio)	2.4 S;hwy,lk E	1155	18 S1	80 oct. E blkd.
Elser (No. Lima, Ohio)	1.2 NW;hwy E,S	1060	18 S1	80 oct. Trees E,W.
Calvin (No. Lima, Ohio)	2.8 WNW	1165	23 S1	80 oct N,NNW,SSE blkd.
→ Austintown (Ohio)	0.8 SSE;hwy N	1160	31 S4	80 oct. E,W blkd.
→ Perry Fly.Svc. (N.Y.)(NC)	3.3 W;RR 3 W	1640	21	P-line NNE Reported ABAND.
Perry-Warsaw (Perry, N.Y)	3 WNW;hwy N		15 S2	80 oct.
→ Brookfield (Ohio)	0.8 W;RR W			ABANDONED
Black Moshannon,51A,CG-LG	7 E;hwy N	1940	30h L3	(Philipsburg, Pa.)
Stout(No.Kingsville, Ohio)	1 E;RR N,S	710	30 S2	80 oct.N blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


TORONTO 368
BUFFALO 260 (116.1)
NIAGARA FALLS 272 (126.1B)
CLEAR CREEK 248
LONDON 382
DUNKIRK (W) 239
ERIE 371 (116.1)
YOUNGSTOWN 212 (116.1)
YOUNGSTOWN 278
BUFFALO 278 (118.5, 126.1B)
BROOKVILLE 391 (116.1)
PHILIPSBURG 224 (116.1)
YOUNGSTOWN VHF RANGE
FOR MILLBROOK VHF RANGE SEE CHART 144
FOR PHILIPSBURG VHF RANGE SEE CHART 144
On request
PITTSBURGH 65
TO CLEVELAND 49
TO CHATHAM
TO ROCHESTER
TO MT MORRIS
SYRACUSE 53
ELMIRA 385
TO PERRY
TO PARKMAN
TO AKRON
CLEVELAND NEW YORK
TORONTO CLEVELAND
CAN N.Y.
N.Y. PA.
OHIO PA.
RED 1
RED 22
BLUE 7
BLUE 11
BLUE 15
BLUE 21
AMBER 6
GREEN 2
GREEN 3
PITTSBURGH RED 21
ISLAND
ASH
GALT
FREDONIA
PORT ERIE
ERIE CO
LAKEVILLE
KINGSVILLE
NORTH SPRINGFIELD
ASHTABULA
STOUT
MERRY'S PYMATUNING
CONNEAUT LAKE
PORT MEADVILLE
PENN-MEAD
TITUSVILLE
GREENVILLE
MERCER
TYNDALL
PORT WARREN
WARREN
HALL
LAKE MILTON
AUSTINTOWN
SOUTHERN AWYS.
WATSON
BERNARD
BIRD
CALVIN
NEW CASTLE
ELSER
WELSH
PATTERSON HEIGHTS
EAST LIVERPOOL
SWANEY
CONWAY
PERRY
TO PITTSBURGH
BUTLER-ALAMEDA
PITTSBURGH-BUTLER
CLEVELAND PITTSBURGH
BRAEBREEZE
PUNXSUTAWNEY
CLEARFIELD
OSCEOLA MILLS
BLACK MOSHANNON
UTAHVILLE
TO NO. ALTOONA
GROVE CITY
PARKER CRAMER
BROCKWAY
DUBOIS
KYLERTOWN
ALBERT
SPLANE MEMORIAL
GREEN
ST MARY'S
ERIE CITY
RIPLEY
JAMESTOWN
FALCONER
SALAMANCA
OLEAN
PORT LAWRENCE
BROKENSTRAW
WARREN
HARRISEMERY
McKEAN CO.
MT JEWETT
LAKE VIEW
PALMER
BARKER
WILSON
GRAF
MEDINA
ALBION
WOLCOTTSVILLE
LEE
SHAWNEE
STEFFEN
TONAWANDA
SHERIDAN
EAST PEMBROKE
PEMBROKE
BATAVIA
COUNTRY CLUB
SCOTT TRANSIT
BUFFALO AIRPARK
CHEEKTOWAGA
HAMBURG
LAKE VIEW
ORCHARD PARK
PERRY-WARSAW
SILVER SPRINGS
PERRY CENTRAL
ANGOLA
ARCADE
SPRINGVILLE
GOWANDA
DUNKIRK
BECKER
COUNTY LINE
AUDUBON
133
198
39
256
313
230
91
270
86
218
185
324
244
281
110
163
349
50
5
FOR V.H.F. RANGES SEE CHARTS 144 TO 147
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF BLOCK LESS RESTRICTIVE 'B' QUADRANTS.
SCALE OF MILES
30 0 10 20 30

RADIO

NEW YORK

LOCATION	FREQ., IDENT	BEAR & DIST.	STA. CLASS	FREQS. GUARDED, HRS OF OPER., REMARKS
DANSVILLE MH Fac.	212 (DA)		MHW	
ELMIRA Range (Chemung Co.)	385 (EA)(116.1)	75°,1.8	SBRAZ-DTV	(4); 116.1
ROCHESTER Range	206 (RC)(116.1)	298°,2.2	BMRLZ-DTV	(4); 116.1
Rochester Tower	278		CI	3105, 4495 (8-24)
ROME AAF Tower	396 (126.18)+		CA	(4); 126.18 (8-22)
SYRACUSE Range (Mun.)	350 (SR)(116.1)	178°,2.2	SBRAZ-DTV	(3); 116.1
Syracuse Mun. Tower	278		C	(4)
TRI-CITIES Tower	278		CI	3105,6210 (days)
UTICA Range	359 (UA)(116.1)	151°,3.0	BMRLZ-DTV	(4); 116.1

PENNSYLVANIA

ALLENTOWN Range (Allentown-Bethlehem)	320 (XA)(116.1)	192°,2.7	SBMRAZ-DTV	(4);116,1.122.1
LAKE CAREY FM	(- - - -)	360°,20.8	FM	Wilkes-Barre
SLATINGTON FM	(- - - -)	290°,12	FM	Allentown
SUNBURY MH Fac.	353(SV)(116.1)		MHTV	(4);116.1
SUNBURY Range	108.3 (SV)		VARW	
WILKES-BARRE Range (Wilkes-Barre-Scranton)	272 (WI)(116.1)	91°,4 01	SBMRAZ-DTV	(4); 116.1
WILLIAMSPORT Range	375(IA)(116.1)	281°,7.0	BMRLZ-DTV	(4); 116.1

NEW RADIO FACILITIES

WATERTOWN(N.Y)	109.1(WB)		VARW	
ALLENTOWN Range (Pa)|	109.1(XA)	178°,5.7	VARW	

S-Simul Range and Voice. W-Without Voice Z-VHF Range Station Location Marker. (3) 3105, 4495. 6210 kcs. (4) 3105, 4495, 6210, 31175 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + —Army ACS transmits on and guards 116.1 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct. blkd.
Martins Creek (Belvidere)	3 SSW;riv SE	340	26 S6	80,91 oct. P-line N,ENE,SE

NEW YORK

Angelica	1.5 WSW;RR N		18 S1	80 oct. Data unver
Auburn	3.7 NNW;lake E	525	24 S4	80 oct Poles,trees sur fld
Bath-H'sport	2 SSW;hwy SE	725	18 S1	80 oct.Hill 0 6 E Data unver.
Binghamton	7.2 NNE;RR NW	940	18 S2	80 oct. Trees N.
Bonnie Brae (Owasco) (NC)	1.7 SW;RR W	960	17	Cattle on fld.
Boonville	4.5 ESE;riv NE	1273	29 S1	80,oct Obsts sur fld
Drizee (Pittsford)	2 E; RR N	422	25 S4	80 oct. Pole line S, NW
Canastota	1.3 WSW;RR N	540	22 L1 S1	80 oct.
Carthage	1 E; RR NW	740	20 S1	80 oct. Bl-line W.
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1	80 oct. Pole line E.
(P) CHEMUNG CO. (Elmira)	6.5 NW;RR S	951	40h R1 L5 S4	80,91,100 oct.
Cicero	0.5 NW;lake SW	416	21 S4	80 oct.
Colgate University (Hamilton)	5.4 N; RR W	1178	25 S6	80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct. Pole line W.
Community (Whitesville)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S.
Cortland	1.8 WSW	1144	30 S6	80 oct. Wooded ridge E.
Costa's (Painted Post)	2.7 NW	960	16 S1	80 oct. Trees W, NW.
Crowner (Wellsville)	1 W; RR E	1506	22 S2	80 oct. Obsts sur fld.
(P) Dansville	1 NW; RR NE	662	40h L3 S6	80 oct. Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1	80 oct. Trees S,W.
Elmira	2 SSW;RR E	890	16	Trees adj NE,S.
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14	Trees WSW.
Fulton	2.6 NNE;rd W	469	40h L2 S4	80 oct.No sto.Lgts prior req.
Fulton Airpark	0 5 W;riv E	360	20 S6	80 oct Brush WNW Rnwy data
Hancock (NC)	1.5 SSE;RR E	905	17	Hills SSE,NNW unver.
Hilton	2.6 WSW;RR N	325	16 S1	80 oct. 3' fence E,S,SE
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4	80 oct. Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S;RRs N,S,W	525	27 S6	80 oct. Trees E.
Ithaca	1.3 NW;inlet E	386	25h L1 S6	80,91 oct.
Keyes-Oneonta (Oneonta)	1.5 W	1000	27 S4	80 oct. Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1	80 oct. Pole line E.
Ladd's (Mexico)	0.6 W;RR N	383	20 S1	Ltd 73 oct.Pole line NE.
Martin (Montour Falls)	1 NE;RR W,E	460	13 S4	80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1	80 oct. Pole line S.
Meacham-Genesee (Rochester)	6 S; RR N	564	22 L S6	80 oct. Floodlgts in emerg.

Blkd-Indicated runways. R-Radio beacon. L-Lighting facilities. S-Servicing. (See page 2111) NE-(not charted). —►— NEW OR REVISED DATA.

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Mercury (Hammondsport)	1 WSW;RR N	750	15 S2	80 oct. Hill W. CLOSED
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E.
Moravia Air Haven	1 NW; RR E			ABANDONED.
Narrowsburg	0.6 NNE,RR E	700	18 S4	80 oct. Mtns N, NE.
Newark Int, 27A, CV-AZ	1.3 NNW;rd N,E			ABANDONED
Painted Post	4.4 SW;RR W	950	19 S2	80 oct. Trees E, W.
Parker (Palmyra)	2.8 S; RR N			ABANDONED.
Penn Yan	1.1 S; lake W	850	20 S2	80 oct
Pulaski	See Ross Arpk. under "New Airports"- name changed.			
Red Creek	0.8 SSE;RR N	355	18 S1	80 oct.
Richland	0.6 NE;RR SW	560	21 S4	80 oct.Hi-line S.No Sto.When wet
Ridgeway (Rochester)	3.7 W;canal ESE	530	18 S1	80 oct Pole lines W,NW,SE Ctn
(N) ROCHESTER	3.7SW;riv S	549	44h R2 L5 S6	80,91 oct.ARPT OF ENTRY NATS(Hospital flights)
(A) Rome AAF (A)	2.5 NE	473	63h R1 L5 S6	62,73,91,100 oct. JP-1
Rushville	2.5 NNE	1120	20 S1	Data unver.
Scottsville	1 N; RR W	600	10	Allway area: 1000 x 1000'
Seneca Falls	2.2 SE	490	28 S2	80 oct.
Sidney	1 WSW,RR SE	1012	24 S4	80 oct. Pole line S.
Smithport Inc. (Utica)	3.5 SSE	1150	20h S1	80, 91 oct. Data unver.
(P) Syracuse	3.5 NNE;hwy W	419	55h	
SYRACUSE MUNICIPAL	5.9 WNW;RR N	396	50h R2 L5 S6	80,91 oct Rdo rec rqrd
(P) Tri-Cities (Endicott)	3.5 WSW;riv S	840	35h R1 L3 S6	80,91 oct.Wooded ridge W,ESE
Utica	7.8 NW;hwy S	525	31 R1 L1 S6	80,91 oct.Twr W,hill N;trees E.
Warren Eaton (Norwich)	2.5 N;riv,RR E	1015	20 S1	80 oct Wooded ridge E.
(P) Watertown	5.9 WNW;hwy N	325	50h L5 S4	80,91 oct. ARPT OF ENTRY

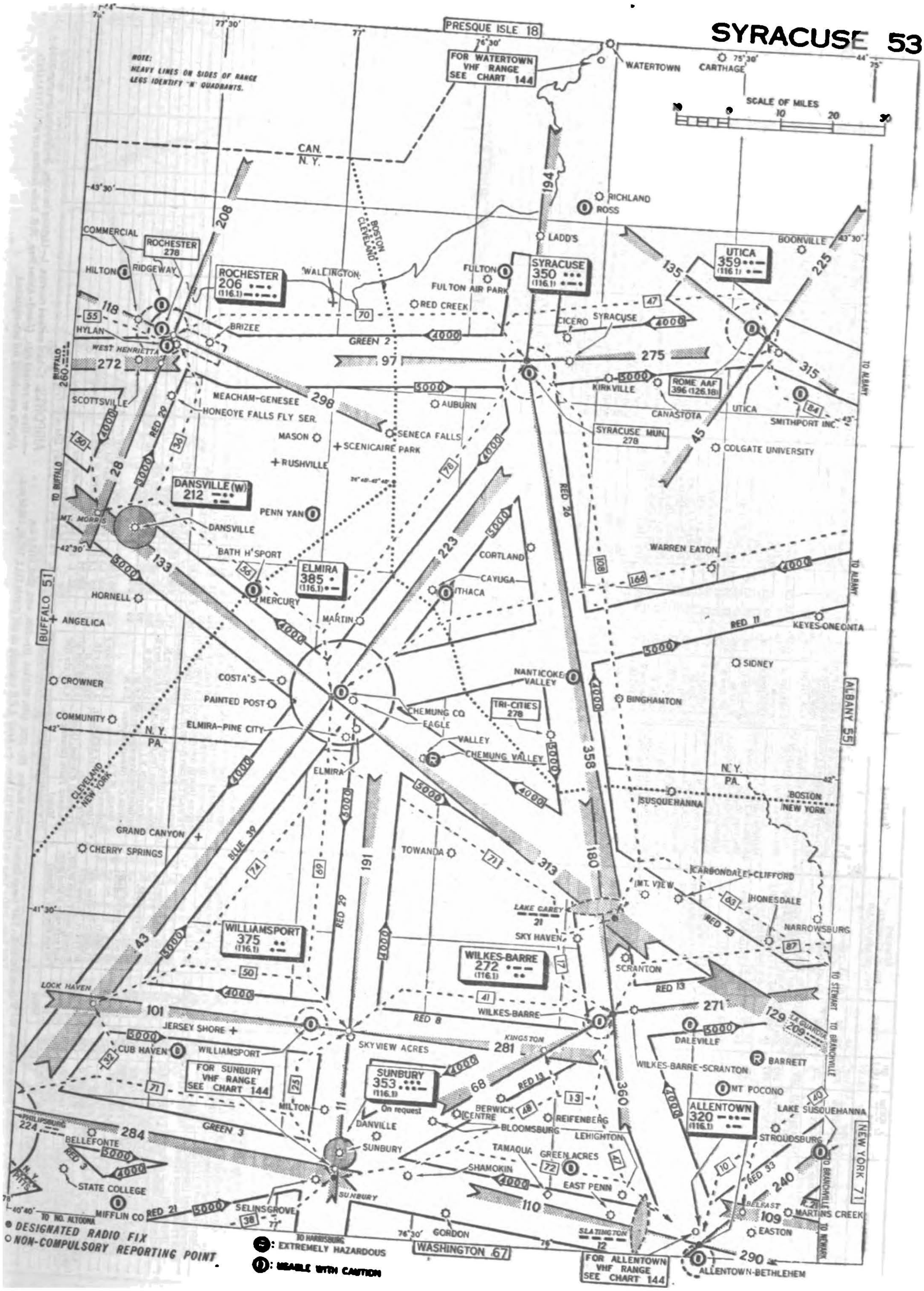
PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	392	40h R1 L5 S6	80,91 oct Trees E,W.
Barrett (Canadensis)	1.8 N	1450	18	
Bellefonte	4.3 ESE,hwy N	1045	21 L3 S6	80, 91 oct.
Bloomsburg	0.8 ESE,riv S	478	32 L5 S6	80,91 oct.Pole lines SW,E.
(P) Chemung Valley (Athens)	1.8 NNW;riv E	850	25 S6	80 oct.
Cherry Springs (Galeton)	10 SW;hwy 1 S	2265	19 S2	80 oct. Trees W,SE,NW
Cub Haven (Lock Haven)	1.7 E;RR S	550	25h S6	80 oct. Pwr line E
Daleville	0.6 N;hwy W	1775	17 S4	80 oct. Hill S. Stack SW.
Danville	2.2 SW;RR N	480	22 S3	80 oct Hill SE.
Easton	3.5 NNW;RR W	380	22 S6	73-91 oct. Pole line N.
East Penn (Andreas)	1.5 NE;hwy S	880	18 S6	73 oct
East Scranton (Scranton)	7.3 ESE;lake E			ABANDONED.
Gordon	1.8 W; RR E	960	18 S2	80 oct. Hill S
Green Acres(Beaver Meadows)	2S	1260	20 S4	80, 91 oct. Pole line ENE
Lehighton	0.9 WSW;hwy NW	502	18 S5	80 oct Trees WSW
Mid Valley (Olyphant) (NC)	3 N; rd NE	1580	20	
Milton	0.8 S;RR W	450	27 S6	80 oct. P-line W,SW.
Mt. Pocono, 21, BJ-LG	1.5 NW;hwy NE	1925	26h L3	Trees NE.
Mt View (Nicholson)	4.8 ENE;crk NW	1280	21 S2	80 oct. Hill SE,trees NW.
Reifenberg (Hazleton)	5.8 NNW;rd E	1146	21 S4	80 oct.
Scranton	7.2 WNW	1150	24h L3 S6	73-91 oct.Fld lgts prior req.
Selinsgrove	1.1 N;hwy E	450	25 S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE;RRs W	1100	16 S2	80 oct.
Skyhaven (Tunkhannock)	0.3 S; RR N	639	20 S6	80,91 oct.P-line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	17 S6	80 oct. P-line NW
Stroudsburg-E Stroudsburg (Stroudsburg)	2.5 NNE;RR S	480	22 S6	80 oct
(P) Sunbury	2 NNE	443	35 S4	80 oct. No sto.
Tamaqua Int, 61B, CG-LG	2.2 WNW;hwy W	1260	30 L3	
Towanda	1.5 SSE;RR W	700	25h S2	80 oct. ENE,NE blkd.
Wilkes-Barre-Wyoming Val'y	3.5 NNE;riv S	546	35h L3 S4	80, 91 oct. Lgts emerg
(P) Williamsport	5.1 E; riv S	526	43h R1 L5 S6	80,91 oct.Stack ESE,ENE only.

NEW AIRPORTS

Nanticoke Valley Arpk (Maine,N.Y.)	4 NNE;hwy E.	975	18 S2	80 oct.Data unver.
ScenicAire Park (Geneva,N.Y.)	2 S;lake E	550	27 S2	80,91 oct.Data unver.
Valley (Sayre, Pa.)	2.7 WNW;riv E	800	29 S6	80 oct.Trees ESE,Mtn WNW.
Wilkes-Barre-Scranton	10 NE;riv N	950	52h R1 L5	(Wilkes-Barre, Pa) Lgts prior req.
Jersey Shore (Pa)	1.5 E	530	28 S4	Data unver
Ross Arpk (Pulaski)	3 SE; riv N	500	25 L S6	80 oct. Port rnwy lgts. Trees
Skyview Aeres,(Muncy,Pa.)	1.4 NE;cty SW	500	26 S2	80,91 oct.P-line S,SE WSW
Grand Canyon (Wellsboro,Pa)	4 W	2000	35 S2	80 oct.Data unver.
Mufflin Co (Reedsville,Pa)	2.7 N;hwy W	830	37 S4	80 oct.
Berwick (Pa)	2.2 ENE	620	22 S4	80 oct.P-line E,NE.
Centre (Berwick,Pa.)	6.5 WSW;RR N	500	29 S6	80 oct E blkd.
Susquehanna (Pa.)	1.2 W;riv S	1000	17 S2	80 oct. Data unver.
Wallington (Sodus,N.Y.)	2.5 ESE;RR S		17 S2	80 oct.Wires S.Ctn when wet.
Carbondale-Clifford (Carbondale,Pa.)	7 NW;lks SE	1520	19	1 E Clifford.

SYRACUSE 53


NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
PRESQUE ISLE 18
FOR WATERTOWN VHF RANGE SEE CHART 144
WATERTOWN
CARTHAGE
SCALE OF MILES
0 10 20 30
CAN.
N.Y.
RICHLAND
ROSS
LADD'S
BOONVILLE
UTICA 359 (116.1)
SYRACUSE 350 (116.1)
ROCHESTER 206 (116.1)
ROCHESTER 278
COMMERCIAL
HILTON
RIDGEWAY
WALLINGTON
FULTON
FULTON AIR PARK
RED CREEK
CICERO
SYRACUSE
BRIZEE
GREEN 2
WEST HENRIETTA
SCOTTSVILLE
MEACHAM-GENESEE
HONEOYE FALLS FLY SER.
AUBURN
KIRKVILLE
ROME AAF 396 (126.18)
CANASTOTA
UTICA
SMITHPORT INC.
SYRACUSE MUN. 278
COLGATE UNIVERSITY
SENECA FALLS
MASON
SCENICAIRE PARK
RUSHVILLE
DANSVILLE (W) 212
PENN YAN
DANSVILLE
MT. MORRIS
BATH H'SPORT
ELMIRA 385 (116.1)
MERCURY
CORTLAND
CAYUGA
ITHACA
WARREN EATON
HORNELL
ANGELICA
MARTIN
KEYES-ONEONTA
SIDNEY
CROWNER
COSTA'S
PAINTED POST
COMMUNITY
ELMIRA-PINE CITY
N.Y.
PA.
CHEMUNG CO
EAGLE
VALLEY
CHEMUNG VALLEY
NANTICOKE VALLEY
TRI-CITIES 278
BINGHAMTON
ELMIRA
CLEVELAND NEW YORK
BOSTON NEW YORK
SUSQUEHANNA
GRAND CANYON
CHERRY SPRINGS
TOWANDA
CARBONDALE-CLIFFORD
(MT. VIEW)
HONESDALE
NARROWSBURG
LAKE CAREY 21
SKY HAVEN
WILKES-BARRE 272 (116.1)
WILLIAMSPORT 375 (116.1)
SCRANTON
LOCK HAVEN
JERSEY SHORE
CUB HAVEN
WILLIAMSPORT
SKYVIEW ACRES
KINGSTON
WILKES-BARRE
DALEVILLE
WILKES-BARRE-SCRANTON
BARRETT
MT POCONO
ALLENTOWN 320 (116.1)
LAKE SUSQUEHANNA
STROUDSBURG
FOR SUNBURY VHF RANGE SEE CHART 144
SUNBURY 353 (116.1)
On request
MILTON
DANVILLE
SUNBURY
BERWICK
CENTRE
BLOOMSBURG
REIFENBERG
LEHIGHTON
TAMAQUA
GREENACRES
SHAMOKIN
EAST PENN
BELLEFONTE
STATE COLLEGE
MIFFLIN CO
SELINSGROVE
BELFAST
MARTINS CREEK
EASTON
SLATINGTON
FOR ALLENTOWN VHF RANGE SEE CHART 144
ALLENTOWN-BETHLEHEM
GORDON
WASHINGTON 67
TO BUFFALO
TO ALBANY
TO STEWART
TO BRANCHVILLE
TO NEWARK
ALBANY 55
NEW YORK 71
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
E: EXTREMELY HAZARDOUS
I: USABLE WITH CAUTION

ALBANY

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adams (Mass)	1.3 SSE	1400	18	
Aero Lake & Seaplane Base (Kingston, N.Y.)	3.7 SSE;RR W	220	23 S4	80 oct. Trees S
Agawam Land & Seaplane Base (Agawam, Mass)	0.5 S;riv E	50	16 S6	80 oct.P-line SE.
ALBANY Range (N.Y.)	365(AZ)(116.1)	196°,3.1	SBRAZ-DTV	(3); 116.1
ALBANY Tower (N.Y.)	278 (118.3)		AC	(4); 116.1,118.3,122.5
(P) [Albany] (N.Y.)	6.9 NNW;riv N	282	35h L5 S6	80,91,100 oct.ARPT OF
Amsterdam (N.Y.)	6 N;rd NW	887	18 S6	80 oct.;ltd 91 oct.Use strips only. [ENTRY
Ansonia (Conn)	1.6 ENE	440	18 S2	80 oct.
Arlington(Poughkeepsie, N.Y.)	1.5 E;RR E	280	18 S2	80 oct.P-line NE;trees SW.
(P) Ballston Spa (N.Y.)	3 N;RR E	433	40h S4	80, 91 oct.
(P) [Barnes] (Westfield, Mass)	3 NNE;RR W	268	50h L5 S6	80, 91 oct.
Bennington (Vt)	2.5 WNW	830	13 S1	80 oct.470' hill WNW.
Bethany (Conn)	1.3 N;hwy E	680	21 L2 S6	80 oct.No bcn.Lgts prior
Bowles (Agawam, Mass)	2.4 WSW;trk E	190	40 S4	80 oct.P-line S, SSE,NW,W. [req.
BRADLEY Tower (Conn)	284(126.18)		CI (ILS-W)	3105,4495; 126.18
(NG) Bradley (Windsor Locks, Conn)	2.8 WNW;RR, riv E	171	50h L1 S6	Ltd 73, 100 oct.
BRAINARD Tower (Conn)	278 (118.5)		AC	(4); 126.18,122.5,118.5
(NG) [Brainard](Hartford,Conn)	2.8 SE;riv E	18	48h L5 S6	73, 100 oct.Dike N,E.
Brattleboro-Hinsdale (Hinsdale, N.H.)	2.7 NW;RR W	360	18 S4	80 oct.Landing flares on prior req.
BRIDGEPORT Range (Conn)	221 (WQ)	231°,4.0	MRLW	(4)
BRIDGEPORT Tower (Conn)	269 (118.7)		C	(4);118.7,122.5,126.18
(P) [Bridgeport] (Conn)	3.5 ESE	9	48h L5 S6	80, 91 oct.
Briggs (Carlisle, N.Y.)	0.6 SE;RR W	1320	12	
Brookfield's (Mass)	1 W;RR SW	680	20 S6	80,91 oct. SW blkd. Rough
Canaan (Conn)	1 N;RR W	680	20 S4	80 oct.Poles WSW;S blkd
Catskill Valley (Catskill)	1.8 SW	105	24 S3	80 oct. (N.Y.)
Christi (New City, N.Y.)	1.5 N;RR E	150	16 S4	80 oct. P-line SW.
Cliff Haven (Accord, N.Y.)	11 W;RR S	260	16 S1	80 oct.
Cooperstown (N.Y.)	1.4 NNW;RR SE	1160	16 L S4	80 oct.Poles S.Port lgts.
County Arpk.(Spring Valley, N.Y.)	1 E;RR S	420	18 S6	80 oct.NNE,NNW blkd Trees SSE.Use strips
Cozine (Rhinebeck, N.Y.)	0.5 SE;RR W	200	20 S1	87 oct. P-line W.
Croton Arpk.(Peekskill,N.Y)	4.8 SE;riv SW	280	13	Hill SW.
(P) Dillant-Hopkins (Keene,NH)	2 S;riv 0.8 W	481	40h L S6	80,91 oct.Flare pots prior
Danbury (Conn)	2.5 SW;RR N	454	44h S6	80 oct.Trees ENE, SSE, WSW. [req.
Doane (Essex, Conn)	1.2 SW;RR E,N	30	19 S6	80 oct.Trees N,NW.
Duanesburg (N.Y.)	0.1 S	710	20 S2	80 oct.Bldgs E;trees W.
East Brookfield (Mass)	1 W;hwy N	640	15 S4	No fuel.
East Greenbush (N.Y.)	0.8 NW;RR W	260	43 L S6	80 oct.Port rnwy lgts.P-line N.
East Hampton (N.Y.)	2.5 W;RR S	40	25 S4	80 oct.
(A) Elizabeth (Fisher's Island, N.Y.) (A)	W end Island	7	29h	
Equinox (Manchester,Vt)	1 SE;riv E,N	700	18 S4	80,91 oct.
Fair Haven (Vt.)	1.5 NNW	370	20 S4	80 oct.
Fair View Farm (Williamstown, Mass)	4 SW;riv E	954	17 S1	80 oct.Trees NE,NNE.
Farly's (New Baltimore)	3 S;RR W	10	20 S1	80 oct. Trees N. (N.Y.)
* Fort Plain Int,40A,CV-AZ	3 NNW;RR NE	720	35 L3	(N.Y.)
Freedom Plains (Billings)	2 W;rds N,E	340	11 S1	80 oct.Pwr line S. (N.Y.)
Fulco (Johnstown, N.Y.)	1 SE;hwy S	840	22 S4	80 oct. Data unver.
Gardiner (N.Y.)	0.5 S;riv W	320	30 S4	80 oct. Data unver.
Gardner (Mass)	2 SW;hwy N	1020	18 S4	80 oct.
GLENS FALLS MH fac.(N.Y)	206(GB)(116.1)		MHTV	(4); 116.1
[Glens Falls] (N.Y.)	2.6 NW;rd S	474	36h S6	80 oct.
Glove City(Gloversville,N.Y.)	1.5 NE;RR S	860	17 S1	80 oct.
Great Barrington (Mass)	2 WSW;riv N	726	27 S6	80,91 oct.Obsts sur fld.
Halcott(Halcott City,N.Y)	1 N		10 S1	80 oct. Data unver.
Hammonasset (Madison)	2 E;hwy N	15	12 S1	80 oct. (Conn)
HARTFORD Range (Conn) (Brainard)	329(HT)(116.1)	323°,2.3	SBMRAZ-DTV	(3); 116.1
Hartness(Springfield, Vt)	3.8 NNW;riv E	570	20 S6	80 oct.
Hayduck (Herkimer, N.Y.)	0.6 SSW;RR N	400	12 S4	Ltd 80 oct.P-line E.
Hiller (Barre Plains,Mass)	2 SW;riv W	589	25 S1	80 oct.
Huguenot (Port Jervis,N.Y)	3.3 NE;RR SE	480	21 S6	80 oct. Trees SW.
Intercity(Schenectady,N.Y)	3.6 SSE;RR NE	340	20 S4	80 oct.
Island (Shelton, Conn)	1.8 SE;on isl.	8	15 S1	80 oct.Trees SE.Soft.
Jewett (Jonesville, N.Y.)	0.5 NE	340	22 S2	80 oct.
Keene Arpk. (N.H.)	3 NW;RR W	500	21	CLOSED.
Kingston (N.Y.)	1.5 NW;RR S	150	17	CLOSED. P-line NW.
(P) Kingston-Ulster (N.Y.)	2.7 N;RR E	160	30 S4	80,91 oct. P-line E.
Kinsley (Somers, Conn)	2.5 NNW;hwy E	200	19	Emerg.use.Trees W,SW, Lgt acft only.N blkd.ESE.
Kline-Kill (Ghent, N.Y.)	2 NNW;riv W	380	18	
La Fleur (Northampton)	1.2 ENE;riv N	120	26 S4	80 oct.Riv SW. (Mass)
LEBANON MH Fac. (N.H.)	209 (LP)		MHW	
(P) Lebanon (N.H.)	3.3 WSW	579	40h L5 S6	80,91 oct. Lgts prior req.
Lime Ridge (Beekman,N.Y)	1.3 SE;RR S	420	16 L2 S6	80 oct.All lgts prior req.
Livingston Manor (N.Y.)	0.8 SE;RR SW	1440	19 S3	80 oct.
Long Meadow (Rexford,N.Y)	1.5 NE;RR N,W	380	20 S1	80 oct.E,NNE blkd. RR S.
Lufbery (Wallingford,Conn)	0.6 WSW;RR E	80	22 S6	80 oct. Trees S.
Mahopac (N.Y.)	1 NNW;lk E		20 S1	80, 91 oct.
Margaretville-Fleischmanns (Margaretville,N.Y)	0.4 SW;riv NW	1310	19 S1	80,91 oct.P-line NE.
Matamoras (Pa)	0.5 SSE;jct of rivs N	450	18h L4 S6	80 oct.No bcn.Lgts prior req.
Mattituck (N.Y.)	0.8 ESE;bay S	30	25 S6	80,91 oct. Poles N.
MERIDEN Tower (Conn)	278		CI	3105,4495 (days)
Meriden (Conn)	2.7 SW;RR E	102	35 L3 S6	80 oct.S blkd.P-lines SE.
Metropolitan (Palmer,Mass)	5 N;riv W	400	19 S6	80 oct. Hill N.
Middlebury (Vt)	2.5 SE;hwy W	440	17 S4	80 oct.
Milford (Conn)	1.5 SSW;RR NW	10	20 S1	80 oct.
Miller (Nyack, N.Y.)	1.8 WNW;riv E	70	17 S6	80 oct.P-line SW.
Millerton (N.Y.)	1.5 N;RR W	1000	13 S1	80 oct.Trees N
Monroe (Conn)	0.7 SSE; rd E	620	20 S4	80 oct.Rd W.Trees S.
Montgomery (N.Y.)	1 WSW;riv W	393	22 S6	80 oct.Trees N;brush E.
(A) " U.S. Mil.Acad.#1 (A)	2 SW	355	35h	CLOSED. (N.Y.)
Monticello-Sullivan Co.(N.Y)	1.4 S;RR E	1500	27 L S4	80,91 oct.Port rnwy lgts.
Newburgh-Walden (Walden)	2.2 SSW;riv W	404	32 S6	80,91 oct Obsts sur fld.
NEW HACKENSACK Range (N.Y.)	236(NX)(116.1)	5°,5.3	SBRAZ-DTV	(4); 116 1 [(N.Y.)
(P) New Hackensack (N.Y.)	0.5 W	166	35h	Obsts NE.
[New Haven] (Conn)	3.5 SSE;hwy N	4	42h S6	80, 91 oct.
New Paltz (N.Y.)	0.8 W;RR E	190	20 S1	80 oct.
(P) Orange (Mass)	1.5 SE;hwy SE	555	50h S2	80 oct. Poles NE.
Parlin (Newport, N.H.)	2 NNW;riv SW	780	20 S4	80 oct.NNE,ESE,SSW blkd.
Pilgrim (Northampton,Mass)	9 N	120	16 S3	No sto. Data unver.
Piseco (N.Y.)	0.5 N;hwy SW	1710	19 S2	Ltd 80 oct.Trees,brush
Pittsfield,3B,AZ-BW (Mass)	2.4 WSW;hwy NW	1160	27 L3 S4	80,91 oct.P-line NW. [NNE.
Plateau (Northville,N.Y.)	2.5 E;riv ESE	1040	24 S6	80,91 oct.Trees S. Rough.
Post Mills (Thetford, Vt)	4.7 NNW;lk NE	700	25 S2	80 oct.
Prattsville (N.Y.)	1.5 SE; riv W	1200	15 S1	80 oct.Mtns sur fld.
QUABBIN Army H Fac. (Westover)(Mass)	317 (D)	59°,8.5	FMHW	(Cont.)
Ramapo Valley(Mahwah,N.J.)	1.2 NW;riv SE	280	19 S1	80 oct.
Randall's (Middletown,N.Y)	1.8 ESE;RR NW	520	20 S2	80,91 oct.
Ravena (N.Y.)	1.2 N;riv 2 E	180	14 S1	80 oct.Lgt acft only.
RENTSCHLER Tower (Conn)	254 (126.18)		CI	(3); 126.18
Rentschler (East Hartford, Conn)	1 N	45	58h L5 S6	80,91,100 oct. P-line SE, SSE.
Rockland (New City, N.Y.)	1 SSE;RR E	240	14	Trees W;hwy E. (NC)
(P) [Rutland] (Vt)	5.8 SSE;hwy W	784	40h L3 S4	80 oct. All lgts prior req.
Sacandaga Park (Northville)	1 SW;RR W	770	13 S1	80 oct.P-line WSW. (N.Y.)
Salem (Conn)	2.1 E;lk NNE	400	21 L S6	80,91 oct.Trees S.Port lgts.
(P) Schenectady Co. (N.Y.)	3 N;RR SE	362	50h L5 S6	80,91,100 oct.
Schoharie Co.(Richmondville, N.Y.)	1.3 NE;RR N	1000	16 S1 *	80 oct. Trees E.
Schuylerville, Land & Seaplane Base (N.Y.)	2.5 S;riv E	100	29 S1	80 oct. Trees N, S.
Selkirk (N.Y.)	2.7 E;hwy E	160	22	P-line E;trees S.
Silver Ranch(E Jaffrey,N.H)	1 E; lk 1 SE	1020	17 S1	80 oct.Trees SE,NW.
Simsbury (Conn)	2.6 NNE;RR W	170	17 S6	80 oct.Trees SE.
Sky Haven (Delanson, N.Y.)	0.9 NW;RR SE	1100	17 S2	80 oct.ESE,W blkd.
Somers (N.Y.)	0.6 SE;RR E,S	563	20 S4	80 oct.
Southbridge (Mass)	1.7 N	700	27 S1	80 oct. Trees W, N.
Springfield (Mass)	2.3 NE;RR S	205	26 S6	80,91 oct. Bldgs W.
Stanton's Newburgh Cub Port (Newburgh, N.Y.)	5.3 NW;RR S	520	12 S2	80 oct. Trees S
Starhaven (Middletown,N.Y)	1.3 NW;RR N	750	29	Trees SW,SE,NW.RR SW.
Steenburgh Avia.Svc.	1.5 ENE;RR N	900	8 S1	80 oct.(Gloversville,N.Y.)
Stephenson (Bristol, Conn)	1.5 ESE;RR N	240	18 S6	80,91 oct.
Stevens (North Adams,Mass)	2.8 WSW;RR N	690	12	Emerg. use only.
STEWART Army Range (N.Y)	335 (DMU)	125°,2.4	MRLW	
STEWART Tower (N.Y.)	396 (126.18)		CA	(3); 126.18 (7-23)
(A) Stewart (Newburgh,N.Y.)(A)	4 NW;hwy N	474	60h L5 S6	100 oct. JP-1.
Stone Arabia (Ft.Plains,N.Y)	3.6 ENE;hwy E	880	18	P-line NNW.
Stormville (N.Y.)	1 ENE;RR S	350	23 S4	80 oct.Trees NE
Suffolk(Westhampton Beach)	3.6 N	90	43 S6	80 oct.Pwr line N. (N.Y.)
Suffolk Co. (Westhampton Beach, N.Y.)	2.6 N	69	50h	
Sussex (N.J.)	1.2 WSW;RR S	420	25 S6	80 oct.200' knoll NNE.
* Ticonderoga Int,22,LG-UL	2.7 NNE;rd E	210	32 L3 S1	80 oct.Obsts sur fld.(N.Y.)
Troy (N.Y.)	2 SSE;lk N	327	30 L4 S6	80,91 oct.ENE,W blkd.
Trumbull (Groton, Conn)	2.8 SE;RR W	10	50h S4	80 oct,
Turners Falls (Montague, Mass)	4.2 N;riv NW	350	32 L S6	80,91 oct.Obsts sur fld. Floodlgts prior req. [req.
Twin State(White River Jct,Vt)	1 SW;RR,riv E	540	19h L S6	80,91 oct.Port rnwy lgts on
Valley Air Park (Middleburg, N.Y.)	1.5 NNW	635	20 S4	Data unver.
Vaughan (Johnstown, N.Y.)	1 E;hwy W	760	18	Use in emerg only.
(A) Wallkill, U.S. Mil.Academy #2 (N.Y.) (A)	3 NW;riv E	340	35h	CLOSED.
Wappingers Falls (N.Y.)	0.9 SE;rd S	152	21 S4	80 oct P-line E,W,S.
[Warren Co.](Glens Falls, N.Y.)	2.4 NNE;rd N	325	40h L5 S1	80, 91 oct
Warwick-Wickham (N.Y.)	4.5 NE;RR W	540	24 S4	80 oct. Ridge N.
Waterbury (Plymouth,Conn)	2.6 S;RR E,W	843	20 S6	80 oct. Trees N, S.
Waterford (Conn)	1.7 N;RR SSE	60	20 S6	80 oct. Trees, hill S.
Watertown (Conn)	2.2 S;lk N	660	19 L S4	80 oct Port rnwy lgts on req
Westchester(Armonk,N.Y.)	0.5 SSE	380	23 S6	80, 91 oct
WESTCHESTER CO.Tower	260(118.9)		C	(4);118.9,122.5 (N.Y.)
(P) Westchester Co.(White Plains, N.Y.)	4 NE;lk W	435	50h L5 S6	80,91 oct P-line SSW
WESTFIELD Range (Barnes) (Mass)	230(WJ)(116.1)	27°,1.7	BMRLZ-DTV	(4); 116.1
West Haven (Conn)	2.7 SW;hwy E	15	18 S4	80 oct.Trees NE,W blkd.
WESTOVER Army Range	272 (DOJ)	239°,2.7	BMRAZ	(3)
WESTOVER Tower (Mass)	396 (126.18)+		CA (ILS) (GCA)	(3); 126.18 (Appch cont.)
(A) Westover (Chicopee Falls, Mass) (A)	3.8 NNE;riv W	244	73h (L6) S6	73,100 oct.JP-1 for Army
West Springfield (Mass)	2.2 WNW;riv E	50	18 S1	80 oct.
White (Bedford, N.Y.)(NC)	3.6 SE;hwy E	475	12	
Winchester Arpk.(N.H.)	1.2 N;riv S,W	460	24 S1	80 oct. Riv N.
Windham (Conn)	3.5 NNW;RR S	238	44h S1	80 oct.Trees NE,ENE.
Wingdale (N.Y.)	1.5 NE;RR W	400	25 S4	80 oct. Rough
Wurtsboro (N.Y.)	2 NE;RR E,SE	560	31 S6	80 oct. Obsts sur fld.

INSTRUMENT LANDING SYSTEMS (*Localizer, Glide Path in mcs. Compass Locator in kcs*)

LOCATION	LC/LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WESTOVER (A) (L6)	109.9	333.8	239°	IM- (0.49)	MM- ····· (0.79)	OM- — — (3.38)
					MMK-	OMK-
WESTOVER (A) (L6)	109.5	332.6	59°	IM- (0.02)	MM- ····· (0.72)	OM- — — (4.42)
					MMK- 201- — — —	OMK- 219- — —
BRADLEY	110.3	335	58°	IM-	MM- - · - · (0.66)	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Southington (Conn)	3.5 NNE;RR W	200	21 S4	80 oct.
Claremont (N.H.)	1.3 W;riv NE	520	28h S6	80,91 oct.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station **Location Marker.** (2) – 3265, 4495, 6210 kcs. (4) – 3265, 4495, 6210, 31217.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (*vhf*) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.65, 140.55 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) →← New or revised data. (Jones) – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are italicized and non-capitalized.

ALBANY 55

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS

D: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

PRESQUE ISLE 18
TICONDEROGA
MIDDLEBURY
POST MILLS
TWIN STATE
On request
GLENS FALLS 206 (116.1)
BURLINGTON 323
FAIR HAVEN
LEBANON(W) 209
RUTLAND
PISECO
D.A
LEBANON
NEWPORT
CLAREMONT
HARTNESS
WARREN CO.
GLENS FALLS
HUDSON FALLS
SACANDAGA PARK
CORINTH
MOREAU
PLATEAU
STEENBURGH
GLOVE CITY
AMSTERDAM
BALLSTON SPA
SARATOGA SPRINGS
N.Y. VT.
EQUINOX
VT. N.H.
BOSTON 57
VAUGHAN
LONG MEADOW
SCHUYLERVILLE
HAYDUK
FULCO
SCHENECTADY CO
JEWETT
FORT PLAIN
STONE ARABIA
ALBANY 365 (116.1)
BENNINGTON
KEENE
DILLANT-HOPKINS
WINCHESTER
SILVER RANCH
STEVENS
BRATTLEBORO-HINSDALE
VT. N.H. MASS.
GARDNER
SKY HAVEN
BRIGGS
COOPERSTOWN
INTERCITY
RED II
293
118
SCHOHARIE CO
ALBANY 278 (118.3)
DUANESBURG
COLONIE
TROY
FAIR VIEW FARM
ADAMS
TURNERS FALLS
ORANGE
GARDNER
VALLEY AIRPK.
EAST GREENBUSH
SELKIRK
RAVENA
WESTOVER AAF 272
QUABBIN(W) 317
PITTSFIELD
FARLY'S
KLINE-KILL
LAFLEUR
PILGRIM
HILLER
WESTOVER AAF 396 (126.18)
E. BROOKFIELD
PRATTSVILLE
GREAT BARRINGTON
BARNES
WESTFIELD 230 (116.1)
METROPOLITAN
SOUTHBRIDGE
SPRINGFIELD
W. SPRINGFIELD
HALCOTT
MARGARETVILLE FLEISCHMANNS
CATSKILL VALLEY
CANAAN
CONN.
BRADLEY 284 KC. 126.18 MC
BOWLES
KINSLEY
AGAWAM
WOODSTOCK
KINGSTON-ULSTER
COZINE
MILLERTON
KINGSTON
LIVINGSTON MANOR
WALLKILL NO 2
AERO LAKE
CLIFF HAVEN
ARLINGTON
NEW HACKENSACK
SIMSBURY
SOUTHINGTON
WEATOGUE
RENTSCHLER 254 (126.18)
NEWBURGH-WALDEN
GARDINER
NEW PALTZ
FREEDOM PLAINS
STEPHENSON
STEWART AAF (W) 335
WAPPINGERS FALLS
WINGDALE
RED 13
LIME RIDGE
WATERBURY
HARTFORD 329 (116.1)
WINDHAM
MONTICELLO
MONTGOMERY
WURTSBORO
STANTON'S
STORMVILLE
WATERTOWN
MERIDEN 18
BRAINARD 278 KC. 118.5 MC.
SALEM
MONTGOMERY NO 1
NEW HACKENSACK 236 (116.1)
BETHANY
BROOKFIELD
LUFBERY
STARHAVEN
HUGUENOT
RANDALL'S
MATAMORAS
STEWART AAF 396 (126.18)
DANBURY
MAHOPAC
SOMERS
MONROE
ANSONIA
MERIDEN 278
DOANE
WATERFORD
SUSSEX
WARWICK-WICKHAM
COUNTY AIRPK.
CROTON
WESTCHESTER
LA GUARDIA 209
MILFORD
WEST HAVEN
HAMMONASSET
TRUMBULL
BRANCHVILLE
N.Y. N.J.
CHRISTIE
RAMAPO VALLEY
BRIDGEPORT(W) 221
BRIDGEPORT 269 KC. 118.7 MC.
ELIZABETH AAF
N.Y. 3 D.A.
ALLENTOWN 320
LA GUARDIA 209
MILLER
NEWARK 341
PORT CHESTER
16
NEW YORK 71
MITCHELL AAF 227
MATTITUCK
EAST HAMPTON
SUFFOLK
SUFFOLK CO 8
WESTCHESTER CO. 260 KC. 118.9 MC.

TO UTICA
TO ELMIRA
TO WILKES-BARRE
TO LAKE CARY
SYRACUSE 53
TO CONCORD
TO MOOSUP
BOSTON
NEW YORK

STATUTE MILES 10 20 30

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ames (Brocton, Mass)	3 WSW;hwy W	120	20 S6	80 oct SSE,WSW blkd.
Auburn (Mass)	2 SW;RR W,E	700	15 S1	80 oct. Lgt acft only
(A)Ayer (Mass)	1.5 NW;riv W	268	52h S4	ARMY TEMP INACT-CIVIL FACS.
BEDFORD Army H Fac. (Mass)	522(BED)|		MH	Oper cont.
BEDFORD Tower (AAF)(Mass)	212(126.18,137.88)		CA	(3); 126 18,137 88
(A)Bedford AAF (Mass) (A)	1 S	128	50h L5 S6	73,100 oct JP-1
Biddeford (Me)	2 SSW;RR NW	110	22 S2	P-line SE 80 oct
Boire (Nashua, N.H.)	2.8 WNW;RR NE	185	20h L3 S4	80,91 oct Lgts prior req
Bolton (Clinton, Mass)	2.3 NE;RR W	400	17 S6	80 oct Trees | P-line S around fld. RR S
BOSTON Range (Mass)(Logan)	263(BW)(116.1)	238°,1.4	SBRAZ-DTV	(3); 116.1
Boston-Metropolitan(Canton,Mass)	1 W;riv W	50	21 S6	80 oct. Trees NW.
Brocton (Mass)	2 S;hwy E	128	22 S6	80 oct Poles E,W,N
Cape Ann Airways (Essex,Mass)	0.9 NNW;riv E,SE	20	14 S1	80 oct.
Cape Cod (W.Barnstable, Mass)	2.1 SW;lake SW	100	21 S2	80 oct.
CHARLESTOWN NAAS Twr (R.I.)	269 (142.74)		CN	3105;142.74(0700-1800)
(N)Charlestown NAAS (R.I.) (N)	1.6 SW;hwy N	32	58h (L5) S1	91, 100 oct. No bcn
Chatham (Mass)	1.7 WNW;lake E	66	14 S4	80 oct. P-line NW
Clark (Hanover, Mass)	2.6 WSW;riv S	74	24 S6	80 oct. NE,NNE blkd.
CONCORD Range (N.H.)	251 (CN)(116.1)	332°,1.9	BMRLZ-DTV	(4); 116.1
(P) [Concord] (N.H.)	1.5 E	346	40h L5 S6	80, 91 oct.
Conway Valley (Conway, N.H.)	0.6 WNW;RR NNE	460	26 S5	80,91 oct Poles SW
Country Club (Wareham,Mass)	1.3 E;riv S	25	17 S4	80 oct. P-line,trees N.(NC)
De Florez (Woodstock, Conn)	2.4 SSE;hwy W	450	19 S4	80 oct. Trees N
Douglas (Brunswick, Me)	3.5 W;RR SE	170	16 S2	80 oct.
Eastham (Mass)	1.2 NW;hwy E	50	20 S4	80 oct FEE.Rnwy data unv Smudge pots prior req
Fitchburg (Mass)	2.5 SE;bet RRs	334	45h S6	80 oct. Knolls, dike S
Franklin Airways Inc. (N.H.)	1.5 SSW;riv E	370	20	Emerg use.
Franklin-Norfolk (Norfolk,Mass)	2.5 WNW;RR SSE	140	20 S6	80 oct P-line S RR NW.
Gate City (Nashua, N.H.)	4 SSE;riv E	120	23 S6	80 oct
(P)Goodall (Sanford, Me)	4 SE;hwy N	243	60h L5 S6	91 oct.Lgts prior req.
Grafton (North Grafton, Mass)	0.7 SSW;riv N	450	30 S6	80 oct. Wooded hill S.
GREENE Tower (R.I.)	278 (118.9)		AC	(4);.118.9,122 5
[Greene] (Providence, R.I.)	7 S;RR W	53	41h L5 S6	80,91,100 oct
GRENIER Army Range (Manchester, N.H.)	338 (DUR)	352°, 0.4	SBMRAZ	(3)
GRENIER Tower (N.H.)	278 (126.18)		CA (ILS)	(3); 126 18
(A)Grenier (Manchester, N.H.)(A)	4 S; RR E	230	70h L5 S6	73, 91, 100 oct.
Groton (Mass)	4.6 WNW;RR W	280	28 S6	80 oct.
Hampton (N.Hampton, N.H.)	1.6 N;RR W	80	20 L S6	80 oct.Port floodlgts on req
Haverhill (Mass)	2 NNE;lake S	125	16 S6	80 oct.Stack,trees SSW.P-
Hilltop (West Buxton, Me)	0.8 WSW;hwy E	300	20 L S6	80 oct.Obst & flare | line NW lgts on req.P-line ESE.
Hooksett Land & Seaplane (N.H.)	2 S;riv E	187	32 S6	80 oct.
[Hyannis] (Mass)	1.2 N;RR E	56	39h L5 S6	80,91 oct.Lgts prior req.
Kennebunk (Me)	1.6 SW	50	16 S1	80 oct.
King (Taunton, Mass)	4.5 ESE;RR N	45	26 S6	80 oct P-line NNE.
(P)Laconia (N.H.)	3.8 NNE;lk 1 NNE	536	36h L5 S6	80,91 oct.Lgts prior req.
Lafayette (Portsmouth, N.H.)	3 SSW;hwy S	71	23 S1	80 oct. Trees sur fld.
Lakes Region (Wolfeboro, N.H.)	2.6 W;RR E	580	14	CLOSED.
(P) [Lawrence] (Mass)	2.5 ENE;riv W	155	40h L5 S6	80,91 oct.Trees NE,SSE
Leicester (Mass)	2 N	1140	15h S4	80 oct. Reservoir SE.
LOGAN Tower (Mass)	278 (118.7,126.18, 118.1)		AC	(4); 122.5,126.18,118 1, 118.7
(NG) [Logan] (Boston, Mass)	1.5 E in harbor	12	70h (L6) S6	80,91,100 oct.Rdo rqrd.FEE Ltd 80,100 oct,min.rprs for
Mansfield (Mass)	2 SSE;RR NE	124	25 S2	80 oct.P-line NE, NW. | NG
Marlboro (Mass)	2.4 E;hwy N	265	16 S4	80 oct. WNW blkd.
(N)[Martha's Vineyard](Vineyard Haven, Mass)	4.3 S;rd S	68	38h L5 S4	80,91 oct.Lgts prior req. Obsts SE side.TMP INACT
Mendon (Mass)	0.3 S;lake W	450	18 S4	80 oct.P- | NO NAVY FACS line N, NW.
Merrymeeting(Bowdoinham,Me)	1 SSE;riv E |	60	14 S1	80 oct.Trees SSE,NNW.
Mineral Spgs (Providence, R.I.)	4.6 NW;hwy E	240	11 S4	73 oct.Trees sur fld.
Myricks (Berkley, Mass)	3 E;RR SW	65	20 S6	80 oct. SSW blkd.
[Nantucket] (Mass)	2.6 SE;rd N	47	40h L S6	80,91 oct.Port lgts.
Newport Arpk. (R.I.)	3.5 NNE	150	24 S6	80,91 oct.P-line NNE.
(P)New Bedford (Mass)	2.5 NNW;RR W	78	50h L5 S4	Lgts prior req.
Norwood (Mass)	1.8 E;riv E	55	40h L5 S1	80, 91 oct.
Oak Bluffs (Mass)	0.8 SW;road W	20	20	Avail. emerg. only.
(N)Otis OLF (Falmouth, Mass)(N)	9 NNE	126	70h	INACTIVE.
Plainfield (Conn)	1.5 SSW;RR NW	160	20 S6	73,87 oct.
Plum Island (Newburyport,Mass)	2.3 SE;riv N	15	24 L1 S6	80 oct. P-line E.
Plymouth (Mass)	2 SSE	149	25	Data unver.
Plymouth Mun. Arpk (N.H.)	3.5 WNW;riv S	506	18 S2	80 oct. P-line N.
(N)Plymouth OLF (Mass) (N)	4.5 SW	140	28	
PORTLAND Range (Me)	206 (PW)(116.1)	149°,2.2	BMRLZ-DTV	(4); 116.1
(P)[Portland] (Me)	2 W;riv E	60	43h L5 S6	80, 91 oct.
(P)[Portsmouth] (N.H.)	3 W	71	50h L5 S6	80,91,100 oct.
Port of Maine (So. Portland, Me)	1.8 SSW;RR E	40	26 S6	80 oct. Trees NNW.
PROVIDENCE Range (Greene)(R.I.)	347(PR)(116.1)	47°, 3.2	BMRLZ-DTV	(3); 116.1
PROVIDENCE Range (R.I.)	108.7 (PR)		VARW	
Providence (Seekonk, Mass)	2.1 ESE	25	17 S4	80 oct. P-line N.
Provincetown Land. Fld (Mass)	2 WNW	5	17 S4	Fuel.Lgt planes only.Data unver
Putnam Int,14,LG-BW (Conn)	1.7 WSW;RR 1.4 E	460	22 L3	
QUONSET POINT Navy Range (Providence, R.I.)	356 (NCO)	339°, 2.2	BMRLZ	3105; 142.74
QUONSET POINT NAS Tower (R.I.)	227(142.74,126.18)		CN (GCA)	(3); 142.74,140.58,126.18
(N)Quonset Point NAS (Providence)	16.5 S	14	60h L5 S6	91, 100 oct. NATS. (R.I.)
Revere (Mass)	1 N	20	21h L S6	80,91 oct.Fee for port lgts.
Richardson (Dracut, Mass)	2 NNW of Lowell	115	21 S4	80 oct.P-line ENE. | Data unv
Riconn (Greene, R.I.)	1.8 WNW;RR S	390	20 S6	80 oct. Rnwy data unver.
Riverside Arpk.(Brunswick,Me)	1 WNW;riv E	60	20 S1	80 oct. Trees SSW,NNE.
Riverside (Ashland, N.H.)	4 NNW;riv W	470	20 S4	80 oct.
Scarboro (Me)	2 W;RR SSE	20	25 S2	80 oct.
Shawsheen Pines (Billerica,Mass)	2.7 E;RR NE	110	24h S6	80,91 oct.Rnwy data unver. Trees NE,E,SE.
Sherman Memorial(Mansfield,Mass)	3 SSW;RR W	130	17 S1	73 oct.Trees sur fld.P-line
Smithfield (R.I.)	1 NE;RR W	400	17 S6	80 oct. Flares on req. | NE
SOUTH WEYMOUTH NAF Tower	3295 (142.74)		CN	(3);142.74(8-1630 Mon-Fri)
(N)South Weymouth NAF (Mass) (N)	1.5 SSE;RR W	152	41 L3 S1	100 oct.Trees NNE,WSW,
Spencer (Mass)	3.5 NNE	1040	17 S6	80 oct. | WNW.
SQUANTUM Navy Range (Mass)	233 (NZW)	321°,3.7	BMRLZ	(3); 142.74 flight opers.
SQUANTUM NAS Tower (Mass)	323 (142.74)		CN (GCA)	3105,4495;142.74(8-30 min.
(N)Squantum NAS (Mass) (N)	4.3 SSE;bay N	10	41h L5 S6	100 oct.No | before sunset. night flying.
Stonington (Conn)	1 NE;RR S	5	18 S6	80 oct.Lgt acft only.Rdo
Stover (Freeport, Me)	3.5 NNW	180	11 S1	80 oct. | rprs.
Wayside (Sommersworth,N.H.)	2.4 W;hwy E	212	15 S2	80,91 oct.ESE blkd.
Webster (Nashua, N.H.)	3.8 NNW;riv E	195	25 S6	80,91 oct.ENE,NNW blkd.
Westboro (Mass)	1.9 WNW;hwy N	310	13 S6	80 oct.
Westerly (R.I.)	2.4 SSE; riv E	81	40h	
Wilkins (No. Attleboro, Mass)	2 NE;lake NW	200	18 S6	80,91 oct.P-line NW.Trees
Woonsocket (R.I.)	2.5 E;riv WSW	400	20 S2	80 oct. | sur fld.
[Worcester] (Mass)	3.5 W;hwy N	1009	55h	Emerg. use only.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
GRENIER (A)	109.5	332.6	352°	IM- (0,03)	MM- •••••• (0.71)	OM- — — (5.00)
					MMK- 201 •—•	OMK- 219 ••—
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Beverly (Mass)	3 NW;lake E	108	50h L1 S6	80,91 oct.Bcn on req.
(N)Brunswick NAS (Me) (N)	1.5 SE;RR N	77	60h	CLOSED.
Edgartown (Mass)	2 S;rds E,NW	20	30 S4	80 oct.P-line E.
Falmouth (Mass)	2.5 NE	40	18 S4	80 oct. Data unver.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII)
→ New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA

BOSTON AREA

PRESQUE ISLE 18 · CONWAY VALLEY · PLYMOUTH MUN. · RIVERSIDE · LACONIA · LAKES REGION · FRANKLIN AWYS. · CONCORD · HOOKSETT · GRENIER AAF 278 KC 126.18 MC · GRENIER AAF 338 · N.H. 1 D.A. · BOIRE · WEBSTER · N. H. MASS GATE CITY · GLOW · GROTON · RICHARDSON · FITCHBURG · AYER · SHAWSHEEN PINES · LITTLETON · BOLTON · WESTBORO · LEICESTER · SPENCER · WORCESTER · GRAFTON · AUBURN · MENDON · WOONSOCKET · DE FLOREZ · SMITHFIELD · PUTNAM · HARTFORD · RICONN · PLAINFIELD · MOOSUP · STONINGTON · WESTERLY · NAAS. CHARLESTOWN 269 (142.74) · FOR PROVIDENCE VHF RANGE SEE CHART 144 · D.A. · NAS. QUONSET PT. 227 KC 142.74, 126.18 MC · NAS. QUONSET PT. 356 · MARLBORO · HARTFORD 329 · FRANKLIN-NORFOLK · DEDHAM 14 · FRANKLIN 29 · MINERAL SPRINGS · PROVIDENCE · GREENE 278 (118.9) · PROVIDENCE 347 (116.1) · NEWPORT · N. Y. 3 · CONN. R.I. · MASS. R.I. · NEW BEDFORD · FALMOUTH · OTIS OLF · HYANNIS · CAPE COD · C.A. · CHATHAM · PLYMOUTH · PLYMOUTH OLF · KING · MYRICKS · MASS. 2 D.A. · MASS. 1 D.A. · EASTHAM · PROVINCETOWN · OAK BLUFFS · MARTHA'S VINEYARD · EDGARTOWN · NANTUCKET · MASS. 2 D.A. · CLARK · BRANT ROCK 20 · NAS. SQUANTUM 233 · SOUTH BOSTON 5 · EAST BOSTON · EVERETT 4 · BOSTON 263 (116.1) · CONCORD 251 (116.1) · PORTLAND 206 (116.1) · BEDFORD AAF 522 · BEDFORD AAF 212 KC 126.18, 137.88 MC · LOGAN 278 KC 118.1, 118.7, 126.18 MC · NAS. SQUANTUM 323 KC 142.74 MC · NAS. SQUANTUM 233 · NAF. SO. WEYMOUTH 3295 KC 142.74 MC · BOSTON 263 (116.1) · BOSTON OCEANIC ATC · NEW YORK OCEANIC ATC · BOSTON ATC · ME. 3 D.A. · PORTSMOUTH · LAFAYETTE · HAMPTON · CHESTER · HAVERHILL · PLUM IS. · CAPE ANN AWYS. · BEVERLY · PEABODY 9 · LAWRENCE · GOODALL · WAYSIDE · BIDDEFORD · KENNEBUNK · SCARBORO · PORTLAND · PORT OF MAINE · HILLTOP · DOUGLAS · MERRYMEETING · STOVER · RIVERSIDE · NAS. BRUNSWICK · AUGUSTA · REVERE · NORWOOD · BOSTON-METRO · DEDHAM 14 · EASTON 18 · AMES · BROCKTON · WILKINS · MANSFIELD · SHERMAN MEM'L · SOUTH BUSTON 5

ALBANY 55 · ALBANY 365 · TO LEBANON · TO MONTPELIER · TO WOODSTOCK · TO SALEM · STATUTE MILES 0 10 20 30

BLUE 4 · BLUE 40 · BLUE 41 · RED 11 · RED 13 · AMBER 7 · GREEN 2 · A-7 · G-2 · G-5 · R-33

72 · 76 · 82 · 93 · 118 · 141 · 149 · 152 · 159 · 172 · 205 · 211 · 228 · 244 · 256 · 260 · 262 · 273 · 286 · 293 · 298 · 321 · 329 · 339 · 344 · 352 · 365 · 47 · 48 · 58

2000 · 3000 · 4000 · 44 · 51 · 55 · 56 · 66 · 88 · 22 · 72 · 40 · 37 · 29 · 49 · 25 · 20 · 36

44° 72' · 71' · 70°30' · 69°30' · 69° · 43° · 42°30' · 42°20' · 42°10' · 42° · 41°30' · 41° · 72° · 71°30' · 71° · 70°30' · 70° · 69°30' · 69° · 71°10'

- COMPULSORY REPORTING POINT
- NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

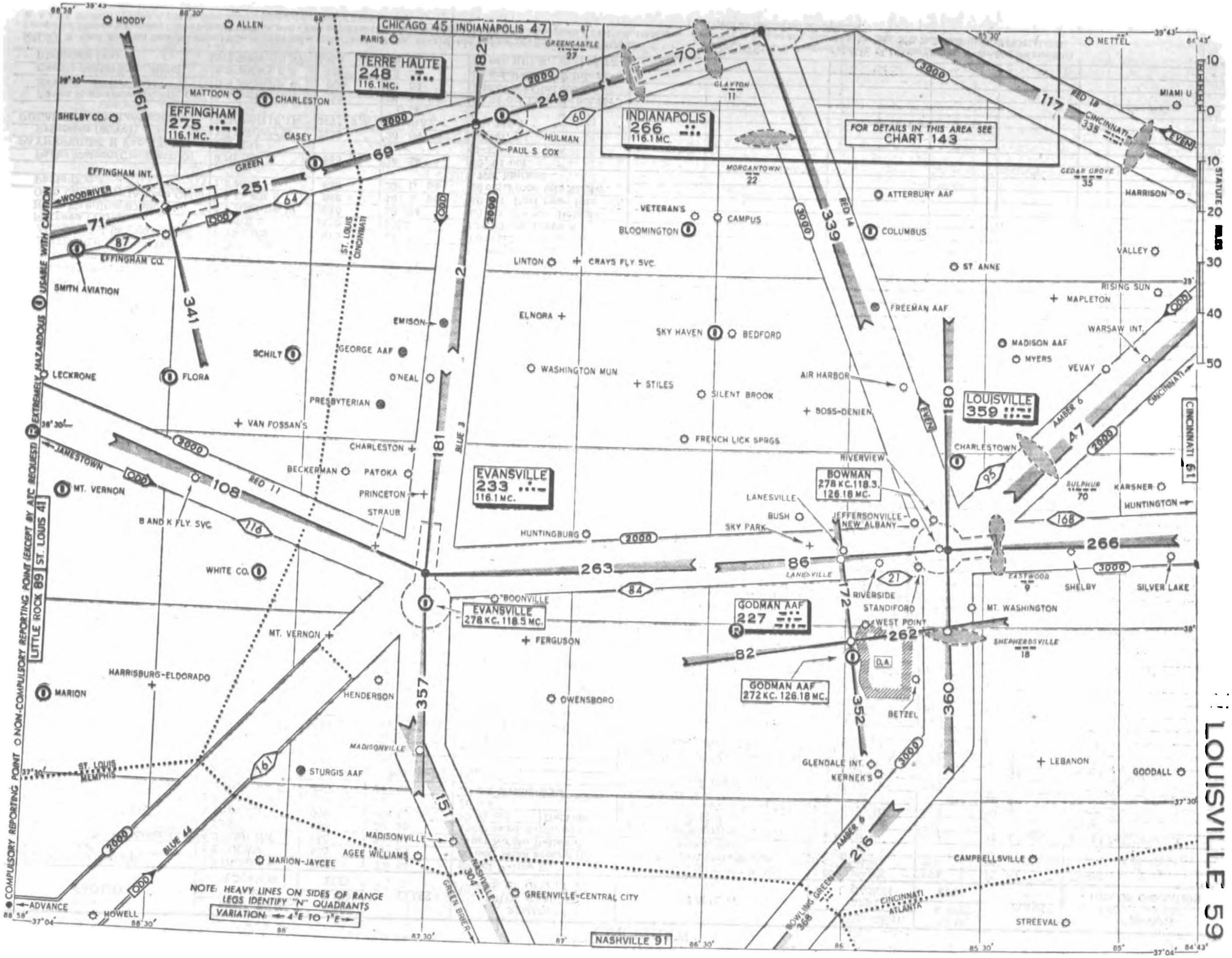
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

SCALE 5 0 5

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Allen (Arcola, Ill)	2 W;RR,8 N	665	20 S6	80 oct. P-line N,E. W blkd.
(A) Atterbury AAF (Columbus,Ind)	3.5 N;RR SE	651	50h	TMP INACT NO FACS (A)
B & K (Fairchild, Ill)	1.4 WSW;RR S	500	26 S5	80 oct. P-line N
Beckerman (Mt. Carmel, Ill)	4 W; RR S	424	23 S2	80 oct. P-line N.
(P) Bedford (Ind)	3.5 SE	682	19 S6	80 oct.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct. Port rnwy lgts. Trees N,Soft when wet
Boss-Denien (Salem, Ind)	3 WNW;RR NE	730	24 S6	80 oct. P-line S. Trees W.
BOWMAN Tower (Louisville,Ky)	278(126.18,118.3)		AC	(4); 122.5,126.18,118.3
[Bowman] (Ky)	5.5 ESE	546	44h L5 S6	80,91 oct. No flood lgts.
Bush (Jeffersonville, Ind)	3 NE		20 S2	80 oct. Data unver.
Bush (Ramsey, Ind)	1.5 WSW;hwy N	680	12 S4	73 oct.
Campbellville (Ky)	2 ENE;RR NW	500	18 S4	80 oct. Hills NE,SE.
Campus (Bloomington, Ind)	1.5 ENE;RR S	883	22 S4	80 oct.
Casey (Ill)	1 NW	645	26 S4	80,91 oct. Data unver.
Charleston (Ill)	1.3 SW;RR NW	690	26 S6	80,91 oct. Flares on req. P-
(P) Columbus (Ind)	5 SSW;hwy E	617	45h L5 S4.	80,91 oct. No line N,E,W.
EFFINGHAM Range (Int.)(Ill)	275(EF)(116.1)	341°,0.0	BMRLZ-DTV	(4); 116.1 bcn,no flood.
Effingham Co. Mem'l (Ill)	3.6 S;hwy W	585	30 S6	80 oct. Lgts on req
* Effingham Int,10,LS-ID (Ill)	2.5 N;RR E	608	26 L3	P-line E,SE. On req.
(A) Emison (Oaktown, Ind)(A)	3.6 WSW	425	45h	CLOSED.
EVANSVILLE Range (Ind)	233(EV)(116.1)	177°,5.7	SBRAZ-DTV	(3); 116.1
EVANSVILLE Tower (Ind)	278 (118.5)		C	(4); 118.5, 122.5
→ [Evansville] (Ind)	4.5 NNE;bet RRs	383	60h L5 S6	80,91,100 oct. Twr W. Fld lgts on req. No floods
Ferguson (Richmond, Ind)	0.5 SE		13	Data unver.
Flora (Ill)	0.8 SW;RR N	490	35 S6	80 oct. P-line N,W.
(A) Freeman (Seymour, Ind) (A)	2 SW;hwy N	575	55h	CLOSED.
French Lick Springs (Ind)	1 SE;RR W	500	27h	
(A) George (Lawrenceville,Ill)(A)	4.5 NE;RR S	428	52h	CLOSED.
* Glendale Int,75B,DL-LV (Ky)	0.5 NE;RR W	702	25 L3	
GODMAN Army Range(Ft.Knox)	227 (DKX)	172°,3.1	BMRLZ	(Ky)
→GODMAN Tower (Ky)	272 (126.18)		CA	(3); 126.18
(A) Godman (Ft. Knox, Ky) (A)	1 NW;RR E	740	52h L5 S4	73,91,100 oct. No sto.
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct. WNW,SW blkd.
Greenville-Central City (Ky).	1 NE;RR W	415	22 S4	80 oct.
Harrisburg-El Dorado (Ky)	Adj E	400	27 S1	80 oct. Data unver.
Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct. P-line S.
Henderson (Ky)	4.7 WSW;hwy E	350	23 S1	80 oct.
Howell (Paducah , Ky)	4 WNW;RR S	371	20 S6	80 oct. All appchs blkd.
(P) [Hulman] (Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct. Fld lgts prior req.
(P) Huntingburg,19,LS-LV (Ind)	3 S;RR E	500	31 L2 S4	80 oct.
→INDIANAPOLIS Range (Ind)	266 (ID)(116.1)	75°,3.2	SBRAZ-DTV	(3); 116.1
Jeffersonville-New Albany (Jeffersonville, Ind)	2 NW;riv S	470	29 S6	80 oct. Poles SW.
Lawrenceburg (Ind)	See Valley under "New Facilities" - name changed.			
Lebanon (Ky)	3.5 NNW;hwy 1 SE	799	15 S4	80 oct. P-line E,SE
(P) Leckrone (Salem, Ill)	1.9 NW;lake NW	545	39 S6	80,91 oct. Flares on req. Der-
Linton (Ind)	3.3 E;RR S	500	19 S4	Ltd 80 oct. N.NE rick NW blkd.
LOUISVILLE Range (Bowman)	359 (LV)	269°, 1.4	SBMRLZ-DTX	(3) (Ky)
(A) Madison AAF (Ind) (A)	6 NNW;RR SW	850	50h	Closed to all acft.
Madisonville (Ky)	6 ENE;hwy SE	420	24 S4	80 oct. Use strips. strips.
Mapleton (Seymour, Ind)	2.7 E;hwy SW	630	18 S4	80 oct. P-line N,NE, onl Use
Marion Arpk (Ill)	1.8 ESE;RR S	430	29 S6	80 oct. All appchs blkd.
Marion-Jaycee (Crayne, Ky)	1 N;hwy E	650	20 S1	80 oct.
Mattoon (Ill)	4 E; RR N	720	23 S6	80 oct. Poles W.
Mettel (Connersville, Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
(P) Miami University (Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct. Poles N,NW.
Moody (Dalton City, Ill)	2.2 S;hwy W	680	19 S6	80 oct. P-line N.
Mount Vernon (Ind)	1 E;bet hwy,riv	390	26 S1	80,91 oct. P-line N,W.
Mount Vernon (Ill)	2.5 ENE;RR S	465	27 L S6	80,91 oct. Temp port lgts.
Mount Washington (Ky)	0.5 NE;hwy E	720	20 S6	80 oct. P-line E,NE.
Myers (Madison, Ind)	2.2 N;RR W	960	24 S6	80 oct. N,NE,E blkd.
O'Neal (Vincennes, Ind)	1.5 WNW;RR NE	415	33 S6	80 oct. P-line NE;trees N
Owensboro (Ky)	2.5 ENE;RR NW	484	29 S6	80 oct.
Paris (Ill)	3.5 NNW;RR E	740	30 S1	80,91 oct. Poles SW,S,W.
Paul S. Cox (Terre Haute,Ind)	3.2 S;hwy W	485	27 S4	80,91 oct. P-line NE,SW.
(A) Presbyterian Church #3 (A)	4 WNW;hwy E	430	45h	CLOSED (St. Francisv'l,Ill)
Pri nceton (Ind)	0.8 E;hwy N	502	18 S2	80 oct. Water tank SW, Wires NW
Riverside (Louisville, Ky)	7.5 SW;riv W	446	24 S4	80 oct. Hi-line E.
(P) St. Anne #2 (North Vernon,Ind)	2.3 NNE;RR W	750	45h	
Schilt (Olney, Ill)	1.5 E;RR S		30 S1	80 oct. Data unver.
Scottsburg (Ind)	See Air Harbor under "New Facilities" - name changed.			
Shelby (Shelbyville, Ky)	2.9 E;hwy S	850	19 S4	80 oct.
Shelby Co. (Shelbyville, Ill)	1.9 ESE;RR N	677	21 S6	80 oct.
Silent Brook (Orleans, Ind)	5 W;riv SW	650	21 S4	80 oct. Hi-line W,SW.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80,91 oct. Poles N.
(P) Sky Haven (Bedford, Ind)	2 SSW;riv S	650	36h S6	80,91 oct. P-line E,NE,S. 80' hill W end WSW rnwy.
Smith Aviation (St. Elmo, Ill)	1.3 SW;RR,hwy N	647	32 L1 S6	80 oct. Bcn twr NE;poles N
(NG) Standiford (Louisville, Ky)	4.3 SSE;hwy E	480	50h	
Stiles (Shoals, Ind)	1 N	740	22 S2	80 oct. Data unver.
Straub (Cynthiana, Ind)	0.5 NW		13	Data unver.
(A) Sturgis AAF (Ky) (A)	1.5 ESE;hwy SW	371	50h	CLOSED.
TERRE HAUTE Range (Ind) (Hulman)	248(TH)(116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Van Fossan's (Mt. Erie, Ill)	0.5 N;lake NE		27 S1	80 oct. P-line E,NW,SE.
Veteran's (Bloomington, Ind)	2.5 W; RR N	890	18 S6	80 oct. Poles W.
Vevay (Ind)	1.3 ENE;riv S	450	20 S4	80 oct. Tree NE corner. Data unver.
* Warsaw Int,5,LV-CV (Ky)	0.8 SW;riv NW	485	30 L3	
Washington (Ind)	3 W		21	Data unver.
Washington Mun. (Ind)	4 N		30 S4	80 oct. P-line SW,W
White Co. (Carmi, Ill)	1.1 NE;RR S	450	28 S1	80 oct. P-line S, SSE.
NEW FACILITIES				
Agee Wms.Arpk (Madisonv'l,Ky)	1.5 SW;hwy N	450	18 S2	80 oct. Pwrline W,SW
Boonville (Ind)	0.5 NW	383	20 S1	80 oct. Pole SW, NW
Karsner (Monterey,Ky)	2 SE;hwy W	540	20 S2	80 oct. Poles SSE
Kernek's (Nolin, Ky)	2 ENE;hwy E	690	19 S1	80 oct. P-line NNE,NE,NE/
Rising Sun (Ind)	0.5 N;riv E	580	22 S4	80 oct. P-line SW,W,NW SW
Streeval (Knifley,Ky)	5.8 S;hwy E	835	20 S2	80 oct. P-line E,SE strip
West Point Arpk (Ky)	1.3 ENE;riv W,S	420	16 S6	80 oct. rough
Crays Fly. Serv. (Bloomfield,Ind)	4 W		18	Data unver.
Sky Park (Corydon,Ind.)	1.5 NW	650	32 S1	80 oct. Wires E. Data unver.
Riverview (Utica, Ind)	2.8 SW;riv S;hwy N	447	27 S6	80 oct.
Lanesville (Ind)	2 SW hwy N	650	17 S4	80 oct. W blkd.
→Rising Sun (Ind.)	0.5 N	580	22 S1	80 oct. Wires W. Data unver.
Air Harbor (Scottsburg,Ind.)	1.5 W;hwys N,E	570	25 S4	80 oct.
Valley (Lawrenceburg,Ind.)	1 WSW;riv S	485	20 S4	80 oct. Hills NNE,WNW.
Betzel (Lebanon,Ky)	1.6 NNW;RR E	445	20	Trees N,S
Patoka (Ind)	1.5 W;lake N,E	500	22 S1	80 oct. P-line S,SE.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
➧ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


MOODY
ALLEN
CHICAGO 45 INDIANAPOLIS 47
PARIS
TERRE HAUTE 248 116.1 MC.
GREENCASTLE 27
CLAYTON 11
METTEL
MIAMI U
MATTOON
CHARLESTON
SHELBY CO.
EFFINGHAM 275 116.1 MC.
INDIANAPOLIS 266 116.1 MC.
FOR DETAILS IN THIS AREA SEE CHART 143
CASEY
HULMAN
PAUL S. COX
GREEN 4
EFFINGHAM INT.
WOODRIVER
MORGANTOWN 22
CEDAR GROVE 35
HARRISON
ATTERBURY AAF
VETERAN'S
CAMPUS
BLOOMINGTON
COLUMBUS
LINTON
CRAYS FLY. SVC.
ST ANNE
VALLEY
RISING SUN
MAPLETON
EFFINGHAM CO.
SMITH AVIATION
EMISON
ELNORA
FREEMAN AAF
SKY HAVEN
BEDFORD
SCHILT
GEORGE AAF
MADISON AAF
MYERS
WARSAW INT.
VEVAY
LECKRONE
FLORA
O'NEAL
WASHINGTON MUN
STILES
AIR HARBOR
SILENT BROOK
PRESBYTERIAN
BOSS-DENIEN
LOUISVILLE 359
VAN FOSSAN'S
FRENCH LICK SPRGS
CHARLESTOWN
RIVERVIEW
JAMESTOWN
MT. VERNON
BECKERMAN
PATOKA
EVANSVILLE 233 116.1 MC.
BOWMAN 278 KC. 118.3, 126.18 MC.
PRINCETON
STRAUB
LANESVILLE
BUSH
JEFFERSONVILLE NEW ALBANY
SULPHUR 70
KARSNER
HUNTINGTON
B AND K FLY. SVC.
SKY PARK
HUNTINGBURG
WHITE CO.
BOONVILLE
EVANSVILLE 278 KC. 118.5 MC.
GODMAN AAF 227
RIVERSIDE
STANDIFORD
WEST POINT
MT. WASHINGTON
EASTWOOD 9
SHELBY
SILVER LAKE
MT. VERNON
FERGUSON
SHEPHERDSVILLE 18
HARRISBURG-ELDORADO
MARION
HENDERSON
OWENSBORO
GODMAN AAF 272 KC. 126.18 MC.
BETZEL
MADISONVILLE
GLENDALE INT.
KERNEK'S
LEBANON
GOODALL
STURGIS AAF
ST. LOUIS MEMPHIS
MADISONVILLE
AGEE WILLIAMS
MARION-JAYCEE
CAMPBELLSVILLE
GREENVILLE-CENTRAL CITY
CINCINNATI ATLANTA
BOWLING GREEN
STREEVAL
ADVANCE
HOWELL
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 1°E
NASHVILLE 91
LITTLE ROCK 89 ST. LOUIS 41
COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) E EXTREMELY HAZARDOUS U USABLE WITH CAUTION
STATUTE
LOUISVILLE 59

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Abken (Raceland,Ky)	1.2 NW;riv N	555	22 S4	80 oct P-line W.
Ashland (Ky)	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Attaway Air Ranch(Mason,Ohio)	4.2 S;RR NW	850	23 S4	80 oct.No sto.P-line E.
Bethel (Ohio)	1 ESE	890	30 S6	1500' hard-surfaced rnwy.
Blue Grass (Lexington, Ky)	6 W;hwy N	978	40h L5 S6	80,91 oct. Data unver.
Bollinger (Charleston,W.Va)	4.5 SW;riv N	900	21 S4	80 oct.
Campbell (Cincinnati, Ohio)	6.2 NNW;RR E	820	24 S2	80 oct.P-line WSW.
CHARLESTON Range (W.Va)	400(KN)(116.1)		SBMRAZ-DTV	(4); 116.1
* Cherry Fork Int,4,CC-WA(Ohio)	0.5 NNW	939	39 L3	
Cheviot (Cincinnati, Ohio)	9 W;RR 1 E	914	18 S6	80 oct.
Chillicothe Skypark (Ohio)	1.8 N;riv W	640	30 S4	80,91 oct
CINCINNATI Range (Lunken) (Ohio)	335(CC)(vhf)	227°,5.2	SBRAZ-DTV	(3);116.1,122.1.DTV lctd at Greater Cincinnati Arpt.
Cincinnati Inc.(Sharonville)	2 SE.	860	29 S6	80 oct. (Ohio) NE blkd.P-
Clark (Winfield, W.Va)	5 N St. Albans	600	27 S6	73 oct.No sto.Riv E. line N.
CLINTON AAF Range (Ohio)	114.3 (DWO)		VARW	(8-1630 Mon-Fri)
CLINTON CO Army H Fac.(Ohio)	201		MHW	0.2 mi.end Rnwy 22(8-1630, Mon.-Fri.or on 30 min.not.
CLINTON CO.Tower (Ohio)	272 (126.18, 140.58,116.1)		CA (ILS-W) (GCA)	(3);126.18,137.7,116.1. Trans.on 137.88 on req.
(A) Clinton Co.AAF (Wilmington)	2 SE;hwy NE	1062	60h L5 S1	73,91,100 oct.JP-1.(Ohio)(A)
Cool Meadow (Lexington,Ky)	4.8 NE;rd W	910	28 S6	80, 91 oct.
Falmouth (Ky)	2.3 SE;riv E	750	16 S2	80 oct.Trees NE,SW
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct.WNW,SW blkd.
GREATER CINCINNATI Tower(Ky)	221(126.18,118.5.)		AC (ILS)	(4);126.18,118.5,122.5 Call:
(P) [Greater Cincinnati] (Covington)	8.2 W;riv NE	890	55h L6 S6	80,91 oct.(Ky) Kenton Twr.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW.
Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct.P-line S
Hightman (Lebanon, Ohio)	3 E;RR W	880	16 S1	Trees W,E. 80 oct.
Hinton (W. Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Spgs)	1 E;riv,RR S	1520	26	Hill W, E. (W.Va)
HUNTINGTON Range (W.Va)	236 (HI)(116.1)	75°, 2.3	BMRLZ-DTV	(4); 116.1
(P) Huntington(Chesapeake,Ohio)	2 WSW;riv S	560	29h S6	80, 91 oct.
Jody (London, Ky)	2.7 SSE;hwy E	1240	25 L S2	80 oct. Flood lgts.
Jones (Chillicothe, Ohio)	7.2 SE;RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford, Ohio)	2 SE;RR 1 W	670	20 S6	80 oct.No sto.P-line N,S.
Lakewood Arpk (Cincinnati,O)	9.5 NNW	870	20h S6	80,91 oct.P-line E
Lancaster (Ohio)	2.5 E;RR N	830	25 S6	91 oct.P-line E,N.
LEXINGTON Range (Ky)	108.3 (LM)		VARW	
Logan (W. Va)	7.2 NNW;riv E	630	15h S1	80 oct. Hill S,N.
Loving ,35A,NA-WA(Pulaski)	2.8 N;RR SE	2200	27 L3 S4	80 oct.Poles SW.No sto.(Va)
LUNKEN Tower (Ohio)	227 (118.7)		AC	(4); 118.7, 122.5
(P) [Lunken](Cincinnati, Ohio)	4.3 SE;RR SW	488	41h L5 S6	73,91,100 oct.
Marietta (Ohio)	1.8 ESE;riv S	616	27 S4	80 oct.House NE,bridge NW
Maysville (Ky)	4.8 NW;riv N	555	26 S4	80 oct.
(P) Miami University (Oxford,Ohio)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N, NW.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E, SW
Morris (Williamson, W.Va)	5 NNW;RR E	600	12 S1	80 oct. P-line S.
Mt.Healthy (Cincinnati,Ohio)	9.5 NW;hwy E	870	22 S6	80 oct.Trees WSW,NE,ENE
Narrows (Va)	1 E;RR S	1550	2052	Ltd 80 oct.Trees W.
North Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	80 oct. No sto. Poles S.
Ohio University (Athens,Ohio)	1.5 E; RR S	640	40 L S6	80 oct. Port rnwy lgts.
Paris (Ky)	1.2 NNE	850	20 L S1	80 oct.Flood lgts NE,SW. NW blocked.
Parks Watson (Cincinnati,O)	9 NE;RR E	865	26 S6	80, 91 oct.
PAYNESVILLE H Fac. (W.Va)	356 (IR)		H	(6-23)
Princeton (W.Va)	1.7 SW;hwy E	2450	20 S4	80 oct.
PULASKI Range (Loving)(Va)	272(US)(116.1)	247°, 2.1	SBMRAZ-DTV	(4); 116.1
Raven Rock (Portsmouth, O)	3.5 WSW;riv S	538	24 L3 S6	80,91 oct.Lgtg fac not ver.
Ravenswood (W. Va)	0.6 NNW;RR W	600	23 S1	Ltd 80 oct.Obst sur fld.
Reed's (Watertown, Ohio)	4.9 W;hwy E,S	820	13 S1	80 oct.P-line NE.Rdo re-
Richlands (Va)	2.7 WSW;RR NW	1950	18 S6	80 oct. Hill E. pairs.
Roane Co. (Spencer,W,Va)	1 SE;hwy NE	954	17 S1	80 oct.
Scioto Trail State Forest (Chillicothe, Ohio)	8 SSE;RR NE	640	24	
(P) Scott (Mt.Hope)(Beckley,W,Va)	2.6 N;RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Shumate (Jackson, Ohio)	8 SSE;RR NE	720	20 S1	80 oct.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80, 91 oct. Poles N.
Somerset (Ky)	5 N;RR W		20 S2	80 oct. Data unver.
South Dayton (Dayton, Ohio)	5 SSW;RR W	750	32 S6	80 oct. No sto. Hills S.
Stewart (Parkersburg, W.Va)	2.3 NNW;riv W	602	33 S6	80 oct. P-line SE.
* Sutton Int, 21, CC-WA (W.Va)	3.6 ENE;RR W	1264	32 L3	
Tri-County (New Holland, Ohio)	3 ESE;RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis,Ohio)	1.8 ENE;riv SE	563	30	Trees E.
Washington (Washington Court House, Ohio)	4.5 ENE;RR S	910	22 S3	80 oct. P-line S.
Wolfords (Amanda, Ohio)	0.8 E;RR NW	960	13	
Zaleski (Ohio)	1 SSW;RR NW	705	22	Trees,hill NE,SW.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK
GRTR. CINCINNATI	109.9	333.8	360°	IM-	MM- •—•—(0.6)	OM- — — (4.3)
					MMK- 206 •••—	OMK- 215•—•—
				IM-	MM-	OM-
					MMK-	OMK-

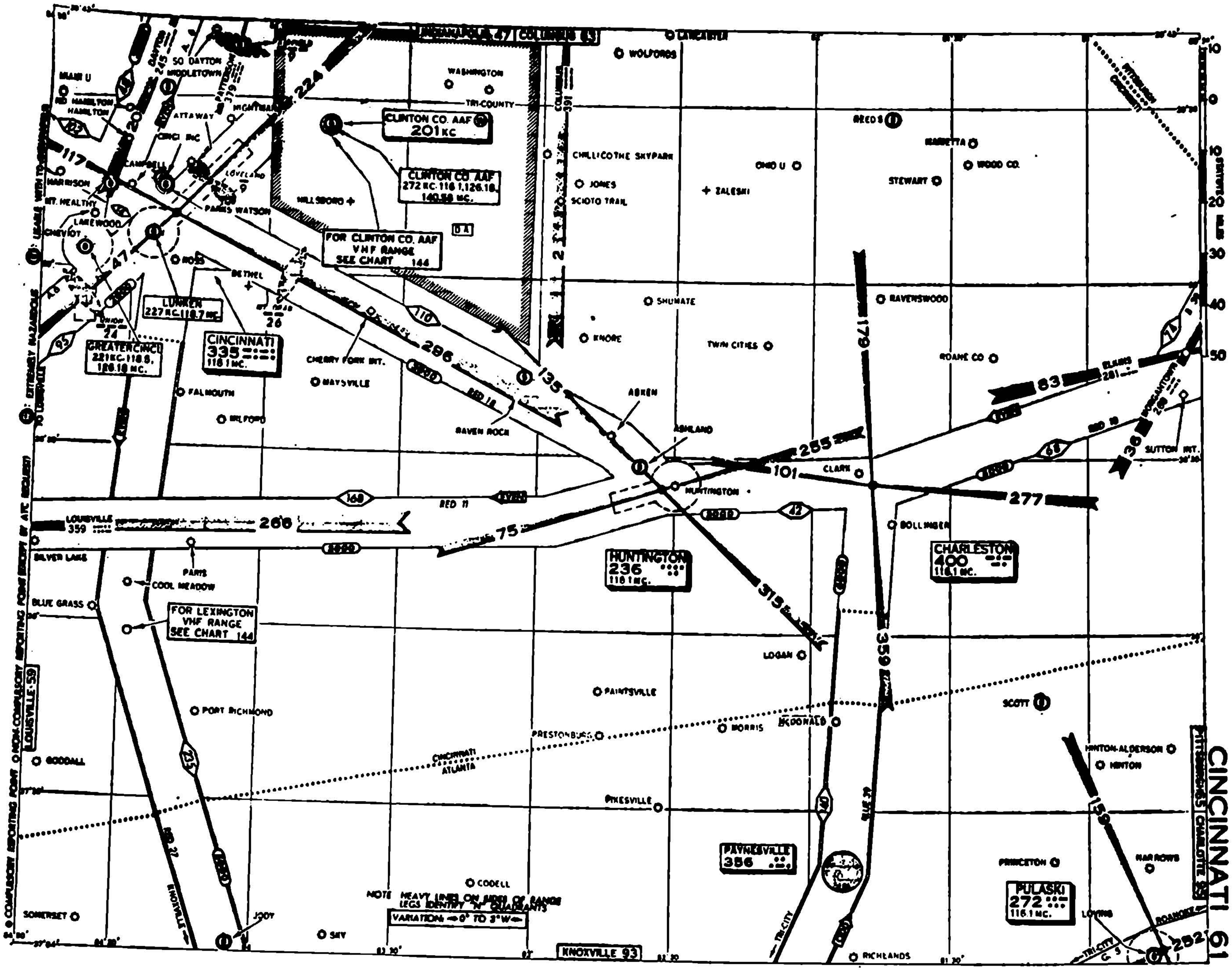
NEW FACILITIES

Huntington (W. Va)	See Huntington Airport, Chesapeake, Ohio			
Milford (Ky)	0.1 SE;hwy W	500	18 S1	80 oct.
Codell (Darfolk,Ky)	1.6 WSW	860	20 S2	80 oct.Ctn-mtns sur fld.
Pikesville (Coal Run,Ky)	0.8 ESE		22 S1	80 oct.
Sky (Manchester,Ky)	2.7 SE;RR W	850	21 S1	80 oct.Mtns sur fld.
Paintsville (Ky.)	2.3 ENE;RR E	630	16 S2	80 oct.Ctn.Mtns NE,W,SW.
Port Richmond (Richmond,Ky)	4.6 E;hwy S	975	18 S1	80 oct.
Ross (Melbourne,Ky)	1.4 ESE;riv NE	475	20 S2	80 oct.P-line SE.
Prestonburg (Ky)	2.7 N;RR W	575	18 S2	80 oct.P-line S.Mtns all sides.
McDonald Fld (Man,W.Va.)	2 WNW;riv N	680	25 S1	80 oct. 0.5 NW Taplin

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3106, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

B-3465-03*


CINCINNATI 61
CLINTON CO. AAF
201 KC
CLINTON CO. AAF
272 RC 118 1,126.18,
140.58 MC.
FOR CLINTON CO. AAF
VHF RANGE
SEE CHART 144
LUNKEN
227 RC 118.7 MC.
CINCINNATI
335
118.1 MC.
GREATER CINCI
221 RC 118.9,
126.18 MC.
HUNTINGTON
236
118.1 MC.
CHARLESTON
400
118.1 MC.
PAYNESVILLE
356
PULASKI
272
116.1 MC.
FOR LEXINGTON
VHF RANGE
SEE CHART 144
NOTE HEAVY LINES ON SIDE OF RANGE
LEGS IDENTIFY "A" QUADRANTS
VARIATION 0° TO 3°W
KNOXVILLE 93
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT BY ATC REQUEST
WOLFORDS
WASHINGTON
TRI-COUNTY
CHILLICOTHE SKYPARK
JONES
SCIOTO TRAIL
ZALESKI
OHIO U
BEEDS
MARIETTA
WOOD CO.
STEWART
HILLSBORO
SHUMATE
RAVENSWOOD
KNORR
TWIN CITIES
ROANE CO
CHERRY FORK INT.
MAYSVILLE
FALMOUTH
MILFORD
RAVEN ROCK
ASHLAND
ASHLAND
CLARK
HUNTINGTON
BOLLINGER
SUTTON INT.
MORGANTOWN
SILVER LAKE
PARIS
COOL MEADOW
BLUE GRASS
LOGAN
PAINTSVILLE
PORT RICHMOND
MORRIS
MCDONALD
SCOTT
PRESTONBURG
CINCINNATI
ATLANTA
HINTON-ALDERSON
HINTON
PIKESVILLE
GODDALL
PRINCETON
NARROWS
SOMERSET
CODELL
JUDY
SHY
LOVING
RICHLANDS
TRI-CITY
ROANOKE
LOUISVILLE 59
PITTSBURGH 85
CHARLOTTE 85
KNOXVILLE
TRI-CITY
LOUISVILLE
359
268
75
315
359
277
101
83
179
159
252
LAMEWOOD
CHEVIOT
BETHEL
ROSS
HARRISON
MT. HEALTHY
PARIS WATSON
LOVELAND
CAMPBELL
ATTAWAY
HIGHTHAW
CINCI INC
MIAMI U
HAMILTON
SO DAYTON
MIDDLETOWN
WILMINGTON
DAYTON
COLUMBUS
INDIANAPOLIS
CLEVELAND
WHEELING
CHARLESTON
BRISTOL
KNOXVILLE
LEXINGTON
LOUISVILLE
CINCINNATI
DAYTON
COLUMBUS
INDIANAPOLIS
CLEVELAND
WHEELING
BRISTOL
LEXINGTON
75
71
68
42
23
27
35
50
40
30
20
10
0

OHIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CLINTON CO. (Wilmington)	272 (126.18, 140.58,116.1)	CA(ILS-W)(GCA)	(3); 126.18,137.7,116.1 Tr on 137.88 on req.
Clinton County (Wilmington) (Army)	201	MHW	0.2 mi. end Rnwy 22,(8-1630, Mon-Fri.or on 30 min notice)
→ COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-DTV,84°,1.9	(3);116.1
HILLIARD FM	(- - - -)	FM, 273°, 9.8	Columbus
LOCKBOURNE AAB(Columbus)	317 (126.18)+	CA (ILS-W)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°,25.0	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18	AC (ILS)	(4);122.5,118.5,126.18
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1

WEST VIRGINIA

CHARLESTON	400 (KN)(116.1)	SBMRAZ-DTV	(4), 116.1
HUNTINGTON	236 (HI)(116.1)	BMRLZ-DTV.75°, 2.3	(4):116.1
PAYNESVILLE	356 (IR)	H	(6-23) Oper by PCA

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK-
LOCKBOURNE (A)	109.9		3°	IM- (0.16)	MM- ·····(0.85)	OM- --(4.29)
					MMK-	OMK-
PORT COLUMBUS	109.5		95°	IM-	MM- ·--(0.65)	OM- --(4.50)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

KENTUCKY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.

OHIO

Briggs (Zanesville)	6.4 NNE;riv W	780	18 S2	80 oct. P-line N,E.
Cambridge	2 N;RR 1 W	800	27 L3 S6	80 oct.Hill,trees ESE,SSW.
Cedar Lawn (Kenton)	2.3 S, RR E	975	16 S2	80 oct. P-lines E,SE
★ Cherry Fork Int,4,CC-WA	0.5 NNW	939	39 L3	
Chillicothe Skypark	1.8 N;riv W	640	30 S4	80,91 oct.
Clickenger (Columbus)	6.2 SSE,RR E	748	26 S2	80 oct. Poles surround fld.
(A) Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
Commerce (Zanesville)	6.5 N ;riv 1.5 E	800	29 S6	80,91 oct.
Crabill (Springfield)	2.5 SE.RR 1 E	1040	29 S6	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

OHIO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
Grimes (Urbana)	1.5 N,RR W	1055	35 L5 S6	80,91 oct.Fld lgts prior req.P-line E, SE,SW.
→ Grove City	1 S, RR W	860	21 S6	80,91 oct.Trees E.Poles W.
Jones (Chillicothe)	7.2 SE,RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford)	2 SE;RR 1 W	670	20 S6	80 oct. No sto. P-line N,S.
Lancaster	2.5 E;RR N	830	25 S6	91 oct.P-line E,N.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	744	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S2	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S4	80 oct.
Newark,2, CO-PG	3.5 SW,RR 1 NW	880	24 L3 S4	80 oct,S blkd.
(P) New Philadelphia	2.5 SE;riv .5 SW	885	36 S6	80 oct. P-line &obst sur fld
Norton (Columbus)	6.5 E,RR N	800	22 S6	80, 91 oct. Pole line N.
(P) Ohio State University (Columbus)	8 NNW,riv E	900	22h S4	80, 91 oct.
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) Port Columbus - NAS (Columbus)	7 E, RR S	817	50h R3 L6 S6	80-100 oct. Poles NW.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	25 S2	80 oct.N,NE blkd.
Price (Columbus)	6 SE	760	22 S6	80 oct. Poles S, SE.
Raven Rock (Portsmouth)	3.5 WSW;riv SE	538	24 L3 S6	80,91 oct. P-line NW.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE. Rdo repairs.
Riverside (Zanesville)	3.4 NNE,RR W	700	40 S6	80 oct. Hill, trees NNE,SSW.
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RR NE	640	24	WSW blkd.
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,hwy E	1050	28 L4 S4	80 oct.No sto.Fld lgts prior req.
Sullivant Ave.(Columbus)	6 WSW,RR NW	860	34 S6	80,91 oct. Pole line S.Rnwy data unver
Tri-Co (New Holland)	3 ESE,RR N	950	21 S1	80 oct.
(P) Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE;hwy S	910	22 S3	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	960	13	
Woodsfield (NC)	1 W;hwy E	1220	19	Emerg only.
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S2	80,91 oct.Pole line E. RR E. NE,W blocked.
Zaleski	1 SSW,RR NW	705	22	(NC)Trees,hill NE,SW
(P) Zanesville	6.2 E;hwy 1 N	902	50h R1 L5	Fld lgts prior req.

WEST VIRGINIA

Bollinger(Charleston)	4.5 SW,riv N	900	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
Roane Co. (Spencer)	1 SE,hwy NE	954	17 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N, RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct. Pole line SE.
(P) Wood Co. (Parkersburg)	7 NE; hwy E	835	45h L5 S6	80,91,100 oct. Lgts emerg only.

NEW AIRPORTS

Logan (W.Va.)	7.2 NNW.riv E	630	15h S1	80 oct Hill S,N.
Huntington (W.Va.)				See Huntington Arpt, Chesapeake, Ohio
Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct.P-line S.Data unver.
(P) Huntington (Chesapeake,Ohio)	2 WSW;riv S	560	29h R1 S6	80,91 oct.
Port Lancaster Corp. (Hooker,Ohio)	0.8 N;RR W	800	28 S1	80,91 oct.Hwy W.
Snook (Reynoldsburg,Ohio)	1.4 NE;RR N	980	21 S6	80 oct.P-line E;trees SW.
Hillsboro (Ohio)	5 W;hwy S		20 S2	80,91 oct.Use strips only.Data unver.
→ McDonald Fld (Man,W.Va.)	2 WNW;riv N	680	25 S1	80 oct. 0.5 NW Taplin

COLUMBUS 63

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT IN ATC HIGHEST)
E: EXTREMELY HAZARDOUS U: USABLE WITH CAUTION
10 PER. MILE

CLEVELAND 49
CEDAR LAWN
MARION
MAGNOLIA
MID 17
+VOSS
MT LIBERTY
WYNKOOP
NEW PHILADELPHIA
CLEVELAND CINCINNATI
COLUMBUS 391
GRNES
OHIO STATE U
SUMMIT STA
CLEVELAND PITTSBURGH
COMMERCE
BRIGGS
CAMBRIDGE
SPRINGFIELD
93
264
85
GREEN 4
HILLIARD
SNOOK
NEWARK
RIVERSIDE
ZANESVILLE 263
On request
CRUMILL
SPRINGFIELD
CLOEMENGER
PRICE
GROVE CITY
NORTON
NEWARK
ZANESVILLE
SULLIVANT AVE
272
LOCKBOURNE AAB
PORT LANCASTER
LANCASTER
CROOKSVILLE
PORT COLUMBUS-IBRS
WASHINGTON
TRI-COUNTY
CINCINNATI 61 INDIANAPOLIS 47
CLINTON CO. AAF 201
REED'S
MARIETTA
WOOD CO
CHILLICOTHE SKYPARK
CLINTON CO. AAF
FOR CLINTON CO. AAF VHF RANGE SEE CHART 144
ONIO U
JONES
STEWART
MT. ORAB
CHERRY FORK
SHOWATE
RAVENSWOOD
KNORE
RAVEN ROCK
OHIO W. VA.
ROANE CO
PAYNESVILLE
OHIO RV.
ASHLAND
ASHEN
135
HUNTINGTON
255
CLARK
101
277
CHARLESTON 400
RED R
75
42
HUNTINGTON 236
215
BOLLINGER
PITTSBURGH 65
LOGAN
KY VA
SCOTT
MORRIS
McDONALD
PRESTONBURG
CINCINNATI ATLANTA
PAYNESVILLE 356
PRINCETON
CINCINNATI 61
84°
83°30'
83°
82°30'
82°
81°30'
81°
39°30'
39°
38°30'
38°
37°30'
37°20'
TO TRI-CITY

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALLEGHENY CO. Tower (Pa)	278 (126.18, 118.7)		AC	(4); 140.1,122.5,126.18
[Allegheny Co.](Pittsburgh,Pa)	5.3 S;RR NW	1251	57h L6 S6	80-100 oct.No ctc lgts.Rdo rec.rqrd
Allegheny Valley (Tarentum, Pa)	3.2 W;RR W	1125	24 S4	80 oct.
ALTOONA Range (Pa)(Blair Co.)	338(RF)(116.1)	203°,1.3	SBMRAZ-DTV	(4); 116.1
Altoona (Duncansville, Pa)	1 SW;RR E	1050	36 S4	73 oct.
Augusta (Waynesboro, Va)	6 WSW;rivSE	1420	24 S4	80 oct. Pole line SE.
Baker Arpk (Burlington,W.Va)	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg,W.Va)	6 E;hwy S	1200	38h S6	80, 91 oct.
Blair Co., 24A, CO-PG (Martinsburg, Pa)	0.9 SE	1495	44h L4 S2	80, 91 oct.
* Buckstown Int,12B,WA-CV (Pa)	1 E;hwy S			ABANDONED.
Buford's (Montvale, Va)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
CECIL H Fac (Pa)	219 (C)	265°,10.3	FMHW	(Cont.) Pittsburgh
CECIL FM (Pa)	(- - -)	265°, 10.3	FM	Pittsburgh.
(P) Connellsville (Pa)	4 SSW;hwy E	1250	34h S2	80, 91 oct.
→ Covington (Va)	1 E;reservoir E,	1500	18 S6	80 oct.
Covington-Clifton Forge (Va)	6.5 E;hwy S	1115	24 S4	80 oct.
Cresson (Pa)	1 NE;RR W	2240	25 S2	80 oct. P-line S.
(P) Cumberland (Md)	2.5 S;rivN,S	780	58h L5 S6	80,91 oct.Mtns SW.Bcn inop.
Elk Garden (W. Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct.P-line NW.
ELKINS Range (W.Va)	281(EK)(116.1)	174°,2.9	SBMRAZ-DTV	(4); 116.1
(P) [Elkins] (W.Va)	2.6 S;RR W	1988	45h L5 S4	80,91 oct. No sto.
Forman (Terra Alta, W.Va)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
FRONT ROYAL Range (Va)	359(FZ)(116.1)		SBMRAZ-DTV	(4); 116.1
Glendale (W.Va)	0.5 WSW;bet. RR & riv	640	29 S6	80 oct.Trees N,S.P-line S.
GORDONSVILLE Rng (Va)(Int.)	388(GJ)(116.1)	135°,2.5	SBMRAZ-DTV	(4); 116.1
Gordonsville (Va)	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Gordonsville Int,51,NA-WA(Va)	5 SSE	438	31 L3	Pole line SW.
GREATER PITTSBURGH Tower	396 (126.18)+		CA	(3); 126.18
(A) Greater Pittsburgh → (Pittsburgh, Pa) (A)	15 WNW;riv N	1145	55h L5 S4	100 oct.
(A) Greenbrier AAF (White Sulphur Springs, W.Va) (A)	2 SW	1795	35h	
(P) Greene Co.(Waynesburg,Pa)	2.7 E	1100	30 S6	80,91 oct.Obst sur fld.
Hamilton (Indiana, Pa)	2.5 E;hwy S	1440	26 S6	80 oct. P-line S.
→ Harrison City (Pa)	1.1 NW;hwy S	1200	17 S4	80 oct.S,NW blkd.
Hartman (Harrisonburg,Va)	1 NW	1350	27 S6	80,91 oct. Rnwy data unver.
→ Herron (New Cumberland,W.Va)	4 NE;lake W	1250	17 S4	80 oct.
Hinton (W.Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Springs, W. Va) (NC)	1 E;riv,RR S	1520	26	Hill W, E.
HOOKSTON FM (Pa)	(- - - -)	308°,32	FM	Pittsburgh.
Huntingdon (Pa)	1 S;riv NE	620	20 S4	80 oct. P-line W.
Ingalls (Hot Springs, Va)	3 S;hwy W	3780	31 S2	80 oct. Closed winters.
(P) Johnstown (Pa)	4.7 E;hwy N	2282	45h S5	80,91 oct.
Keystone (Ebensburg, Pa)	3 SW;RR NW	2100	23 S4	87 oct. Obst sur fld.
Latrobe (Pa)	2.8 SSW;hwy N	1144	23h S4	80 oct.
Leechburg (Pa)	1.6 ESE;hwy W	960	30 S6	73 oct. P-line N,NE.
Lewis (Buckhannon, W.Va)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Lexington (Va)	2.7 SW;hwy S	1200	17 S1	73 oct.P-line NE,SW.
(P) Louis Bennett (Weston,W.Va)	3.2 N;RR E	996	37	Hill S;pole line WNW.
LYNCHBURG Range (Preston Marlinton (W.Va) Glenn)	206(LB)(116.1)	165°,1.9	SBRAZ-DTV	(4); 116.1 (Va)
	1.5 NNE;RR SE	2475	21 S2	80 oct. Hill WNW.
MARTINSBURG Range (W.Va)	209(MR)(116.1)	35°,2.9	BMRLZ-DTV	(4); 116.1
→ Mayer (Pittsburgh, Pa)	10 WSW;RR S	900	18 S6	80 oct. House NE,E blkd.
Mexico Farms (Cumberland,Md)	3 S;RR E	630	36 S2	80 oct. Mtns E.
Moorefield (W.Va)	0.8 NE;RR W	980	26 S4	80 oct. Trees WNW.
MORGANTOWN Range (W.Va)	269(MG)(116.1)	173°, 5.6	BMRLZ-DTV	(4); 116.1
(P) Morgantown (W.Va.)	2.2 ENE;hwy NW	1256	36h L3 S6	80,91 oct.
MT. PLEASANT FM (Pa)	(- -)	124°,24.7	FM	Pittsburgh
Narrows (Va)	1 E;RR S	1550	20 S2	Ltd 80 oct.Trees W.
NEW ALEXANDRIA FM (Pa)	(-)	85°, 30	FM	Pittsburgh
New Alexandria (Pa)	1.5 ENE;hwy N	1200	18 S4	80 oct. P-line N.
Orange Co. (Orange, Va)	4 E;hwy S		26 S2	80 oct. Data unver.
* Petersburg Int,29,CC-WA(W. (W. Va)	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
PITTSBURGH Range (Pa) (Allegheny Co.)	254(PT)(116.1)	85°,2.2	SBRAZ-DTV	(3); 116.1
Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct. (Pa)
Pittsburgh-Greensburg (Greensburg, Pa)	2.3 SE;reservoir N	1280	19 L1 S6	80 oct.Twr W.Trees E.
→ Pitt-Wilkins (Pitcairn,Pa)	1 SSW	1200	23 S4	80 oct. S blkd.
PRESTON GLENN Tower (Va)	248		C	(4)
(P) [Preston Glenn](Lynchburg,Va	6.7 SSW;RR SE	935	40h L5 S6	80, 91 oct.
Ridgeway (Bunker Hill,W.Va)	2.3 SSW;RR E	600	20 S6	80 oct.No sto.P-line SSW
Romney (W.Va)	2.1 NNE;riv W	750	16 S2	80 oct.Mtns WNW,ESE,SSE
Ronceverte (W.Va)	2 N;hwy SE	2175	18 S2	80 oct.
Salix (Pa)	0.6 S;RR NW	2200	24 S4	80 oct.
Scott (Tiltonsville,Ohio)(NC)	1.5 SSW;riv E	650	25	
Shenandoah (Va)	0.5 SW;hwy W		19 S1	Data unver.
Somerset (Pa)	2 NNE;RR SE	2200	27 S4	80 oct.P-line W.
Star Valley Arpk (Charleroi,Pa)	2 S;RR W;riv E	765	25 S1	80 oct.Bldg S.Data unver.
Staunton (Va)	4.4 NE;RR NW	1300	26 S6	80,91 oct.P-line NNE.
Stokes (Front Royal, Va)	2.5 W;riv E	735	19 S2	80 oct. P-line S,E.
(P) Stultz (Altoona, Pa)	10.7 NNE;RR NW	970	30 S6	80,91 oct. P-line E.
SUMMERHILL FM (Pa)	(- - - -)	281°, 22	FM	Altoona
* Sutton Int,21,CC-WA (W.Va)	3.6 ENE;RR W	1264	32 L3	
Timberlake (Lynchburg,Va)	9.5 SW;RR N	950	26	
→ Toronto (Ohio)	1.5 NW;riv E	1050	22 S1	80 oct.Trees SSE.
(P) University of Va.(Charlottesville, Va)	5 ESE;riv E	300	35 S6	80,91 oct. Trees ESE. data unver.
Valley (Waynesboro, Va)	1.7 NNE;RR E	1245	29 S6	80 oct.P-line E,SSW.Rnwy
Vandergrift (Pa)	2 WNW	1000	24 S1	80 oct.P-line NW,SE.W blkd.
Weirton (Hollidays Cove,W.Va)	1.5 E	1144	16h S6	80 oct. Data unver.
(P) Wheeling Ohio Co. (W.Va)	7.5 NNE; riv 2 W	1193	50h L5 S4	80,91 oct. Lgts prior req
Winchester (Va)	3 SSE;hwy E,S	700	22 S6	80 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALLEGHENY CO.			95°	IM-	MM-	OM-
					MMK-201 - - - -(0.80)	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bedford, (Pa.)	5.2 N jct of hwys	1187	18 S4	Fuel,Data unver.
WHEELING Range(W.VA)	108.3(WN)		VARW	
Tyrone Speedway (Pa)	4.2 SW;riv S	965	23 S4	80 oct.Mt.S.Trees WSW, N,ENE
New Market-Timberv'l	3.4 E;RR E	975	21 S1	80 oct (Timberville,Va)
Luray (Va)	1.5 S;hwy W	900	19 S1	80 oct Fence NNE,SSW
Elkton (Va)	3 NW;mtn W	1100	19 S1	80,91 oct P-line SW
Culpeper (Va)	1 SW;quarry W	400	17 S6	80 oct P-line NE,SW
→ Mt Pleasant-Scottdale (Mt. Pleasant, Pa.)	2.8 S;dam NNE	1160	18 S6	80 oct.Trees SE.
→ E. Pittsburg (Pa.)	10 ESE;lake SW	1150	21 S6	80 oct.Trees NE

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

+ Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page xiii)

→ NEW OR REVISED DATA. (NC)-Not charted. [Jones] Airline Stop

PITTSBURGH 65

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

BUFFALO 51

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

RED 20 · 305 · 362 · AKRON · CLEVELAND 344 · AKRON · HERRON · HOOKSTOWN 32 · TORONTO · RED 17 · WEIRTON · 69 · TO NEWARK · WELLSBURG · 3000 · COLUMBUS 391 · FOR WHEELING VHF RANGE SEE CHART 144 · GLENDALE · OHIO W. VA · GREEN CO · 140 · 52 · MORGANTOWN · 4000 · 74 · BLUE 39 · PITTSBURGH CINCINNATI · 39°30' · 36 · 3000 · LOUIS BENNETT O · 39° · LEWIS · 41 · 6000 · 83 · 68 · RED 18 · 5000 · SUTTON · TO CHARLESTON · 38°30' · CHARLESTON 400 · 277 · COLUMBUS 63 · 38° · CINCINNATI ATLANTA · 37°30' · HINTON · 61° · 37°20' · NARROWS · CHARLOTTE 95 · 80°30' · CINCINNATI WASHINGTON · MARLINTON · W. VA VA · INGALLS · COVINGTON-CLIFTON FORGE · RONCEVERTE · GREENBRIER AAF · COVINGTON · LEXINGTON · 169 · ROANOKE 371 · 174 · 3000 · ELKINS 281 (116.1) · 47 · 7000 · ELKINS · RED 18 · PETERSBURG · 270 · 7000 · RED 19 · 320 · 8000 · 42 · 6000 · 37 · 216 · 3000 · CONNELLSVILLE · MT. PLEASANT-SCOTTSDALE · 3000 · 42 · 6000 · STAR VALLEY · ALLEGHENY CO. 278 (118.7, 126.18) · PITTSBURGH 254 (116.1) · CECIL 219 W · WHEELING-OHIO CO · CECIL 10 O · MAYER · WEIRTON · 38 · 3000 · 65 · 3000 · ALLEGHENY VALLEY · LEECHBURG VANDERGRIFT · 79°30' · HAMILTON · 79° · 63 · 4000 · TYRONE SPDWY · 78°30' · STULTZ · 40°40' · NORTH ALTOONA · 40°30' · HUNTINGDON · MT UNION · 203 · 265 · RED 21 · 4000 · 128 · E. LIVERPOOL · 43 · BLUE 2 · TO MERCER · GREATER PITT. AAF 396 (126.18) · NEW ALEXANDRIA · 30 · E. PITTSBURGH · PITT-WILKINS · PITT-BETTIS · HARRISON CITY · MT. PLEASANT 25 · NEW ALEXANDRIA · KEYSTONE · CRESSON · SUMMERHILL 22 · ALTOONA · 18 · 101 · 281 · LATROBE · 5000 · JOHNSTOWN · SALIX · GREEN 4 · BLAIR CO · 20 · 63 · PITT.-GREENSBURG · 4000 · 26 · ALTOONA 338 (116.1) · BEDFORD · SOMERSET · 43 · BLUE 47 · 23 · 5000 · 40°40' · 304 · RED 20 · PA MD · FLINTSTONE O · 37 · 4000 · CUMBERLAND · MEXICO FARMS · MD VA · MARTINSBURG 209 (116.1) · PITTSBURGH WASHINGTON · RED 61 · 101 · TO LISBON · ELK GARDEN · BAKER · ROMNEY · 73 · RIDGEWAY · 35 · WINCHESTER O · 212 · 41 · MOOREFIELD · 6000 · 94 · 5000 · STOKES · FRONT ROYAL 359 (116.1) · 26 · WASHINGTON 67 · TO REMINGTON · NEW MARKET-TIMBERVILLE · LURAY · SHENANDOAH · CULPEPER · HARTMAN · ELKTON O · GORDONSVILLE 388 (116.1) · 135 · 37 · RED 33 · ORANGE CO O · STAUNTON · GORDONSVILLE · WAYNESBORO · VALLEY · AUGUSTA · 6000 · TO DONCASTER · TO RICHMOND · 315 · R-33 · UNIV. OF VIRGINIA O · 71 · GREEN 5 · 66 · 63 · GORDONSVILLE · 165 · 234 · 76 · 41 · JAMES RIVER · 4000 · RED 37 · 5000 · 243 · 7000 · BUFORD'S · TIMBERLAKE · 90 · PRESTON GLENN O · LYNCHBURG 206 (116.1) O · 78°30' · NORFOLK 97 · 78° · 37°20' · 37°30'

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Aberdeen Arpk (Md)	0.8 SW;hwy SE	60	24 S4	80 oct.
Aldino (Churchville, Md)	2.2 NE;RR SE	400	20 S6	80 oct.
Alexandria (Pittstown,N.J)	2 WNW;lk NE	340	18 S4	80 oct.Trees ENE.
[Allentown-Bethlehem] (Allentown, Pa)	4.6 NNE;RR NW	392	40h L5 S6	80,91 oct. Use rnwys only. Fld lgts prior req.
ANNAPOLIS NAF (Seaplane) Tower (Md)	2870(142.74)		CN	3105,2870,6420; 142.74 (8-17)
Annapolis (Md)	2 S	25	18 S4	80,91 oct.P-line SSW. Twr
ARCOLA Range (Va)	233(EC)(116.1)		SRAZ-DV	(3); 116.1 SSE.
BALTIMORE Range (Md)	257(BO)(116.1)	12°,2.4	BMRLZ-DTV	(3); 116.1, 122.1
BALTIMORE Tower (Md)	278(118.9,126.18)		C	(4);118.9,122.5,126.18
(NG)[Baltimore Mun.] (Md)	6 SE;RR NE Harbor S	14	46h L5 S6	Ltd100 oct,no maint.for NG.Rdo rqrd.Stacks N,SE
Bellanca (New Castle,Del)	1.5 W;hwy N	30	25h L3 S6	80,91 oct.No bndry lgts. P-line SW.
Berks (Reading, Pa)	4.5 NW;hwy SW	360	23 S4	80,91 oct.Hill NW.
Bethlehem-Easton (Easton, Pa)	4.5 SW;riv S	360	23 S6	80,91 oct.P-line sur fld.
Biggs (New Castle,Del)	1 NW;RR E	60	19 S6	80 oct. P-line NE.
Blackwood (N.J.)	0.5 ESE;hwy W	65	26 S4	80 oct.P-line N. N/S us-
Blue Ridge (Herndon,Va)	4 WSW;hwy NE	280	30	P-line E. able emerg.
BRANDYWINE Range (Md)	379(BDW)(116.1)		SMRLZ-DV	(3); 116.1
Bridgeville (Dela)	1.7 SE;hwy S,W	40	22 S6	80 oct. P-line NW.
Buck's (Bridgeton, N.J.)	3.7 NNE;RR SE	100	20 S4	80 oct. P-line S,W.
BYRD Tower (Richmond,Va)	396 (126.18,118.7)		AC (ILS-W)	(4); 122.5,118.7,126.18
(A)[Byrd](Richmond, Va)	7.3 ESE;RR S	167	50h L5 S4	73, 100 oct.
CAP (Westminster, Md)	2.6 N;hwy E	780	20 S4	80 oct. P-line E,NE.
Cargill(Granville,Pa)	1.5 SW;RR SE	490	20 S6	80 oct. Obsts sur fld
Carlisle (Pa)	1.8 WSW;RR N	480	23 S2	80 oct.
Centerville (Carlisle, Pa)	11.3 SW;RR N	660	23	Trees E, NE. (NC)
Central (Richmond, Va)	2.5 ENE;RR W	172	45 S6	80 oct.Poles WNW,SE.
Chambersburg (Pa)	1.2 SSE;RR SW	650	22 S6	80 oct.E/W strip rough.
CHINCOTEAGUE Navy Range	227 (NKZ)	98°,4.5	MRLZ	3105, 4495; 142.74 (Va)
CHINCOTEAGUE NAAS Twr	3295 (142.74)		CN	(3); 142.74 (8-17) (Va)
(N) Chincoteague NAAS (Va)(N)	4.5 WNW;hwy S	38	60h L5 S4	100 oct.
Coatesville (Pa)	1.6 W;RR S	623	26 L1 S4	80 oct. Obsts sur fld.
Convair (Allentown, Pa)	3 SSW	399	40h	
Currell's (Weems, Va)	1 N;jct of rivs		17 S1	80 oct.P-line SE.Use strips only. Data unver.
DAHLGREN NAF Tower (Va)	375 (142.74)		CN	(3); 142.74 (8-16 except Sun)
(N) Dahlgren NAF Proving Grounds (Va) (N)	0.5 E	20	40h L5 S2	100 oct. CLOSED.
Davis (Gaithersburg, Md)	7.5 NNE;hwy E	640	26 S6	80,91 oct.Trees ESE.
Delmarvia (Salisbury, Md)	2.6 NE;hwy W	45	21 S6	80 oct.P-line N,E,NE.
Devener (Hanover, Pa)	2 NNE;hwy W	590	20 S6	73, 80 oct.
De Vries (Lewes, Del)	1.3 NW;bay N	10	20	
Diffendahl (Baltimore, Md)	11 ESE;riv S	20	23 S2	80 oct. Trees all appchs.
Dixie (Annapolis, Md)	10.7 W;hwy N	120	22 S4	80 oct. Hwy N,W.
Doersom (Gettysburg, Pa)	2.4 NW;RR N	590	19 S6	73 oct. Pwr line NE.
Dover Arpk (Del)	2.2 N;RR W	37	25 L S6	80,91 oct.Port floodlgts. P-line W, SW.
(A)Dover AAF (Del) (A)	4 SE;hwy E	28	70h L1	TMP INACT.
DUPONT Tower (Del)	388		CI	3105,3117.5,5582.5 (8-20 daily except Sun.)
DuPont (Wilmington, Del)	3 WNW;RR E	185	29 L4 S6	80,91 oct. SW blkd.
(P)Easton (Md)	2.2 N;RR E	66	40h L S4	80 oct. Port lgts.
(A)Edgewood Arsenal (Md)(A)	1.3 S	18	50h L5 S4	91,100 oct.CLOSED.No bcn
Emmaus (Pa)	0.5 NW		20 S4	80 oct. Data unver.
Estler (Mohrsville, Pa)	3.5 W;pond W	390	22 S6	Ltd 80 oct. Trees W.
Faybrook (Rock Hall, Md)	1.5 NNW;bay W	20	14 S1	80 oct. Trees WNW,NNE.
Fogelsville (Pa)	0.7 E;RR SE	460	22 S4	80 oct.P-line SW ESE.
Frederick City (Frederick)	1.8 E;riv E,N	305	49	(Md)
Gettysburg (Pa)	2.8 NNW	600	24 S3	80 oct. RR SW.
Gill (Chestertown, Md)	1.5 NNE;RR W	60	32 S2	80 oct.P-lines W,SW;NW blkd
Glenburnie-Whipp (Md)	1 E;hwy W	56	30 S6	80 oct. P-lines sur fld.
Greenwich (N.J.)	2.5 W;riv SW	30	21 S6	80 oct. Trees N.
Grimes (Bethel, Pa)	1.7 ENE;hwy S	582	29 S6	80,91 oct.Mtn NE.
Hagerstown (Md)	4.2 N;hwy E	700	39h L3 S6	80,91 oct.Lgts on req.
Harcum (Va) (NC)	0.2 NW	85	40	Poles.Rnwy data unver.
Harrington (Del)	1.5 E;RR 1 S	50	27 S1	80 oct. P-lines SE,SW,W,
Hermitage (Richmond,Va)	3.2 NNW;RR W	200	20 S6	80 oct.Trees,poles WNW. E, W.
HARRISBURG Range (Pa)	242 (HX)(116.1)	118°,1.1	SBRAZ-DTV	(3); 116.1
HARRISBURG Tower (Pa)	278(118.7)		AC	(4); 118.7, 122.5
(N)[Harrisburg State] (Pa)	3.5 S;RR N	344	40h L5 S4	80,91 oct.Svcg days NATS.
Hershey (Pa)	1.1 NNW;RR S	415	21 S2	80, 91 oct.
Hickman (Ocean City, Md)	7.5 NW;riv S	15	25 S4	80,91 oct. Flares on req.
Holly Brook (Laurel, Del)	1.5 N;RR,hwy W	40	25 S1	80 oct.
Hummel (Greys Point,Va)	3 NE Harmony	30	21	Obsts sur fld. (NC)
Johnson (Ononcock,Va)	1 ESE;RR E	35	22 S1	80 oct.
Kellam (Weirwood, Va)	0.3 SW;RR E	15	21 S4	80 oct. Trees NW.
Kent (Worton, Md)	1 N; RR S	60	23 S2	80 oct.
Kroelinger (Vineland, N.J.)	2.5 NNW;RR E	100	16 S6	80 oct. P-line S, E.
Kutztown (Pa)	1.5 S;RR SE	400	25 S4	73 oct.
Lancaster (Pa)	1.5 NNW;RR SW	320	26 S6	73,80 oct. Pwr line W.
Lancaster,35,CO-PG (Pa)	5.5 N;hwy W	385	27h L4 S4	80 oct. Poles S, WSW.
Laurel (Dela)	1.5 SW;hwy E	30	19 S2	80,91 oct. P-line SE.
Layfield (New Hanover,Pa)	2 NE;hwy W	320	17 S6	80 oct. Trees NE.
Lebanon Co.(Myerstown)	1.8 W;hwy S	525	17 S5	80 oct. (Pa)
Lee Annapolis (Annapolis, Md)	4.8 WSW;hwy E	30	28 S1	73,91 oct. P-line ESE Rnwy data unver.
Leesburg Arpk. (Va)	0.7 ESE;hwy S	280	20	P-lines NE.
Lewistown (Pa)	4 SW;riv SE	560	20 S6	80 oct. P-line NW.
Lively Int,6,NW-WA (Va)	3.4 WSW;riv W	15	34 L3	35' trees, bldgs NW.
Lovett (Elkton, Md)	3.1 NNE;RR 1 SE	140	22 S4	80 oct
Madeira (Reading, Pa)	3.2 N;RR W	360	20 L S6	80 oct. Port flood lgts.
Manassas (Va)	2.7 NW;RR S	250	22 S6	80 oct. Obst sur fld.
MARTIN Tower (Md)	317		CI	(4) (8-sunset,Mon.-Fri)
Martin (Baltimore, Md)	10 E;RR N	18	70h	PRIVATE.
(P) Martinsburg (W.Va)	4 S;hwy W	550	50h L5 S6	80, 91, 100 oct.No flood
Mattaponi Sky Club(Croom)	1.6 SE;hwy 1 W	30	31 S1	80 oct. (Md) lgts.
(P) Melfa Flight Strip (Va)	1.3 W	48	70h	
Midway (Showell, Md)	1.1 SE;hwys W,S	20	30 L S4	80 oct. P-line SSW.Flare pots on req.
Midway (Chester, Va)	2 E;hwy S	178	26 S6	80 oct. P-line W.
Millard (Annville, Pa)	1.5 SW	480	18h S5	80, 91 oct.
MILLVILLE Range (N.J.)	365(NV)(116.1)	144°,4.3	SBRA-DTV	(4); 116.1
(P) Millville (N.J.)	3.3 SW;lk N	68	50h L5 S6	80,91 oct.Flood lgts on req.
(P) Mount Union (Pa)	4 S;hwy E	560	30 S4	80, 91 oct.
MT. VERNON H Fac. (Va)	269 (W)	209°,8.2	FMHW	(Cont.) Washington, D.C.
NEW CASTLE Range (Del)	350 (NC)	19°,2.8	MRLZ	Replies on tower freq. except on req.
NEW CASTLE Tower (Del)	219 (118.5, 126.18)		CI	(4); 118.5, 122.5, 126.18
(NG) New Castle County (Wilmington, Del)	4.8 SW;hwy SE	75	70h L5 S6	80,91 oct.;73,100 oct.NG. Emerg.rprs mil.acft
New Hanover (Pa)	0.5 W;hwy SE	300	18 S2	80 oct.
North End (Martinsburg)	2.5 NNE;RR W	515	28 S2	80 oct.P-line S. (W.Va)
Northfield (Richmond,Va)	6.5 N;riv NE	180	18 S4	80 oct.
OLMSTED Tower (Pa)	396 (126.18)+		CA :45.05	(4); 126.18
(A) Olmsted (Middletown,Pa) (A)	1 W;RR N	300	50h L5 S6	62-100 oct. JP-1.Poles NE,N Riv S
Paoli-Malvern Arpk (Malvern, Pa)	1.3 SSE	460	24 S4	80 oct. Trees NE,SE,SW.
Parksley (Va)	0.6 WNW	25	18 S4	80 oct.
Parnell (Richmond, Va)	4 S;RR E,W	120	19 S6	80,91 oct.P-line NW.
PATUXENT RIVER Navy Range (Md)	215(NHK)	57°,4.4	MRLZ-D	(3); 142.74
PATUXENT RIVER NAS Tower (Md)	347 (142.74)		CN (GCA)	(3); 142.74
(N) Patuxent River NAS (Md)	2.9 NE Jarboes	38	97h (L6) S4	91,100 oct.JP-1.NATS.(N)
Penn-Harris(Harrisburg)	4 ESE;RR N	400	18 L S6	80,91 oct.Flood lgts. (Pa)
Penns Grove (N.J.)	3 SE;lk ENE	10	23 S4	80 oct. Obsts sur fld.
PHILADELPHIA Range (Southwest) (Pa)	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
Philadelphia Main Line (Paoli, Pa)	2.8 WNW;hwy S	310	21 S4	No fuel. P-line ESE.
PHILLIPS Tower (Md)	215 (126.18)		CA	(3);126.18(8-18,Mon.-Fri) (8-1630,Sat., and Sun.)
(A) Phillips (Aberdeen,Md)(A)	3.2 S,RR W	57	50h L5 S1	73,100 oct. CLOSED.
Phoenixville (Pa)	3 NE	300	24 S4	Data unver.
Pimlico (Baltimore,Md)	6 NW;hwy SW	449	32 S6	80, 91 oct.
(N) Piney Point (Md)	0.8 WNW	10	14h	Use rnwys only.
Pottstown (Pa)	4.5 E;hwy N	311	30 S6	80 oct. Bldg NW.
QUANTICO Navy Range (Va)	203 (NYG)	20°,4.6	MRLZ	3105,4495 (MCAS)
(A)[Reading] (Pa)	3 NW;riv E	342	52h L6 S6	80,91 oct.Ltd maint,100 oct Army B-2 lgts prior req.
Rehoboth Aircrafters (Rehoboth Beach,Dela)	2.5 W;hwy N	10	35 L S6	80,91 oct.Port lgts on req. P-lines WNW,E,W.
Red Lion (St.Georges,Del)	3.2 N;hwy W	50	19 S4	80 oct.
Reigel (Campbelltown,Pa)	1 N;hwy N	475	20 S4	80 oct.
Reynolds (Culpeper, Va)	4 NNE;rd W	470	19 S4	80 oct.Trees NNE,SSW
RICHMOND Range (Byrd)	260(RW)(116.1)	20°,1.9	SBRAZ-DTV	(3); 116.1 (Va)
Rock Hall (Md)	2.4 NNE,hwy W	30	30 S4	80 oct.
Rutherford (Baltimore,Md)	7 W;RR W	500	23 S6	80 oct. Twr N.
Salem (N.J.)	2 ESE;rd S	15	22	CLOSED.
Salisbury (Md)	5.3 ESE	52	50h L5 S1	91 oct. Lgts prior req.
Schuylkill (Pottsville,Pa)	8.3 ESE;lk SE	510	29 L S6	80 oct.Port rnwy lgts.Hills E, NE, SW.
Seabrook (Bridgeton,N.J.)	4.5 NE;RR W	110	24 S1	80 oct.P-line W, WSW.
Shady Side (Md) (NC)	1.8 SSW	10	15 S4	80 oct. SSW blkd
Shannon (Fredericksburg, Va)	1.6 SSE;riv E	50	23 S6	80 oct.
Sky View Acres (Muncy, Pa)	1 E	510	24 S4	Data unver.
Stevens (Frederick, Md)	5.8 N;hwy E	440	28 S6	80 oct. NE blkd.
Stowe-Pottstown (Pottstown, Pa)	1.7 NW	245	26 S6	80 oct. P-line S.
Sunset Airways (Chambersburg, Pa)	3.5 NNE;rd E,S	650	25 S1	80 oct. P-line E,NNW.
Sussex (Frankford,Del)	1.5 N;hwy W	30	20 S4	80 oct.Port flares on req.
(P) Sussex Co.(Georgetown, Del)	1.5 E;RR NW	51	50h L5 S1	80,91 oct.Lgts prior req.
Swatara Valley (Pine Grove, Pa)	4 WSW;RR N	480	21 S4	80 oct.
Taneytown (Md)	2.9 WNW	500	23 S4	80 oct. SW blkd.
Tappahannock Flight Strip (Va)	0.8 W	30	40h	8000' strip avail.
Taylor (New Kingston,Pa)	0.5 SE;hwy N	440	28 S6	80 oct. P-line N.
Valley Arpk (York, Pa)	3 ENE;RR N	420	21 S6	80 oct. Poles SSE,NNW.
Vineland (N.J.)	4.3 SSW;RR 1 E	65	24 S6	80 oct. P-line E. Use center of strips.
WASHINGTON Range (D.C.)	332(WA)(116.1)	25°,0.9	SBRAZ-DTXV	(3); 116.1
Waynesboro (Pa)	3 SE;hwy N	700	20h S6	80 oct.
Waynesboro (Va)	3 W;hwy N	1500	26 S1	80 oct.Trees WSW.
Webb (Easton, Md)	2.5 E	50	26 S6	80 oct. P-line S,SE.
WEBSTER Tower (Md)	3345 (142.74)		CN	3105;142.74 (24 hrs. advance notice)
(N) Webster (Beachville,Md) (N)	0.8 WSW;riv N, W	21	50h	Trees ENE.
West Chester (Pa)	2.5 NE;lk S	470	32 S4	80 oct.
(P) West Point (Va)	2.3 ESE	24	50h S4	80,91 oct. Riv SSW.
Woodstown (N.J.)	3 NW;hwy N	100	22 S4	80 oct. Hedge SSE.
Womelsdorf (Pa)	3 NW;hwy E	540	13 S1	73 oct.
York (Pa)	8.3 WSW;RR E	500	19 L S6	73,80 oct.Floodlgts.Pole N
Zieger (Warrenton, Va)	3.7 S,hwy NE	440	20 S4	80 oct. Hill W, NW.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC/LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
BYRD	109.9			MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→← New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

WASHINGTON 67

●COMPULSORY REPORTING POINT
○NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.

SYRACUSE 53
SCHUYKILL
ALLENTOWN-BETHLEHEM
FOGELSVILLE
ESTLER
KUTZTOWN
SWATARA VALLEY
GRIMES
BERKS
CONVAIR
EMMAUS
METUCHEN
BETHLEHEM-EASTON
ALEXANDRIA
PENN-HARRIS
WOMELSDORF
LEBANON CO
HERSHEY
MILLARD
REIGEL
MIDDLETOWN
LAYFIELD
MADEIRA
NEW HANOVER
READING
STOWE-POTTSTOWN
POTTSTOWN
LANCASTER MUN.
PHOENIXVILLE
MAIN LINE
PAOLI-MALVERN
COATESVILLE
W.CHESTER
LANCASTER
VALLEY
SEVEN VALLEYS
YORK
GETTYSBURG
DOERSOM
N.Y. WASH.
DEVENER
NEW FREEDOM
WAYNESBORO
PA.
MD.
HAGERSTOWN
TANEYTOWN
C.A.P. BASE NO. 332
NORTH END
MARTINSBURG
STEVENS
FREDERICK CITY
PIMLICO
RUTHERFORD
N. BALTIMORE
LISBON
DAVIS
LEESBURG
BELTSVILLE
HERNDON
GLENBURNIE-WHIPP
FRONT ROYAL
BLUE RIDGE
SUNSET AWYS
CHAMBERSBURG
ALDINO
ABERDEEN
DIFFENDAHL
SHALLCROSS
EDGEWOOD ARSENAL AAF
MARTIN
KENT
GILL
ROCK HALL
FAYBROOK
HARTLY
DOVER AAF
SUNGLO
DOVER AIR PARK
CENTERVILLE
DIXIE
ANNAPOLIS
LEE ANNAPOLIS
EASTON
WEBB
HARRINGTON
DEL. MD.
BRIDGEVILLE
SUSSEX CO.
DE VRIES
REHOBOTH
HOLLY BROOK
LAUREL
SUSSEX
HICKMAN
DELMARVIA
MIDWAY
SALISBURY
MEEKINS NECK
WEBSTER
PINEY POINT
PARKSLEY
JOHNSON
MELFA
KELLAM
TAPPAHANNOCK
LIVELY
CURRELL'S
HUMMEL
DAWN
NORTHFIELD
HERMITAGE
CENTRAL
REMINGTON
REYNOLDS
MANASSAS
ZIEGER
ALEXANDRIA
MT. VERNON
DONCASTER
PARNELL
MIDWAY
WEST POINT
CHESTER
RAWLINGS
BLACKSTONE
GORDONSVILLE
SHANNON
BIGGS
BELLANCA
LOVETT
WOODSTOWN
PENNS GROVE
BOOTHWYN
PILOT'S HAVEN
RED LION
SEABROOK
BUCKS
KROELINGER
VINELAND
GREENWICH
SMYRNA
MILLVILLE
PHILADELPHIA 266 (116.1)
WASHINGTON 332 (116.1)
BALTIMORE 257 (116.1)
HARRISBURG 242 (116.1)
NEW CASTLE 350
MILLVILLE 365 (116.1)
ARCOLA 233 (116.1)
MCAS. QUANTICO 203
FRONT ROYAL 359
MARTINSBURG 209
GORDONSVILLE 388
BRANDYWINE 379 (116.1)
RICHMOND 260 (116.1)
NAAS. CHINCOTEAGUE 227
NAAS. CHINCOTEAGUE 3295 KC. 142.74 MC.
NAF. ANNAPOLIS 2870 (142.74)
NAS. PATUXENT RIVER 215
NAS. PATUXENT RIVER 347 (142.74)
NAF. DAHLGREN 375 (142.74)
NORFOLK 97
NAS. PATUXENT RIVER APPROACH ZONE INCLUDES AIRSPACE UP TO 4000' M.S.L.
FOR DETAILS IN THIS AREA SEE CHART 69
HARRISBURG STATE 278 KC 118.7 MC
OLMSTED AAF 396 (126.18)
PHILLIPS AAF 215 (126.18)
BALTIMORE 278 (118.9, 126.18)
NEW CASTLE CO. 219 KC. 118.5, 126.18 MC.
DU PONT 388
BYRD 396 (118.7, 126.18)
PA
D.A.
TO ALTOONA
PITTSBURGH 65
TO GORDONSVILLE
TO MT. HOLLY
PHILA. NORTHEAST 371
NEW YORK 71
TO NAS, NORFOLK
STATUTE MILES

RADIO

DIST. OF COLUMBIA

LOCATION	FREQ., IDENT.	BEAR. & DIST.	STA. CLASS	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANACOSTIA NAS Tower	396(142.74)		CN	(3);142.74(7-sunset & on req.)
BOLLING Tower	212(126.18, 137.88)+		CA	(3); 126.18,137.88
WASHINGTON Range	332(WA)(116.1)	25°,0.9	SBRAZ-DTXV	(3); 116.1
Washington Nat'l. Tower	278 (126.18, 118.5, 118.1)		AC (ILS-W)	(4);118.5,126.18,122.5 (GCA test basis)

MARYLAND

ANDREWS Army Range	248(DCM)	10°,1.2	MLZ	
Andrews Tower	317 (126.18)+		CA(ILS-W)(GCA)	(3); 126.18
BELTSVILLE FM	(-)	41°,17.6	FM	Washington, D.C.
DONCASTER FM	(. . - - - -)	209°,24.7	FM	Washington, D.C.

PENNSYLVANIA

BOOTHWYN FM	(- - -)	260°,9.5	FM	Philadelphia
HOLMESBURG LFM	(- - -)	238°,6.5	LFM	NE Philadelphia
JOHNSVILLE Tower	284(142.74)		CN	3105 cont.;4495,6210;116.1, 126.18,140.58,142.74 on req. (8-1/2 hr. past sunset)
MUSTIN NAAF Tower	251 (126.18, 142,74)		CN	(3); 126.18,142.74 (7-sunset, other hrs. on req.)
PHILADELPHIA SW Range	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
Philadelphia SW Tower	278 (118.1)		C (ILS-W)	(4); 118.1
Philadelphia NE Range	371 (NF)	238°,2.8	MLWZ-DT	
Philadelphia NE Tower	212		CI	(4)
WILLOW GROVE Navy Range	391 (NXX)	241°,3.35	MRLZ	(3); 142.74
Willow Grove NAS Tower	356 (142.74)		CN	(3); 142.74 (days only except on 1 hr's advance notice)
WINGS Tower	278		CI	3105 (9-17)

VIRGINIA

ALEXANDRIA LFM	(- - -)	209°,2.4	LFM	Washington, D.C.
HERNDON FM	(- - - -)	317°,21.8	FM	Washington, D.C.
MOUNT VERNON H Fac	269 (W)	209°,8.2	FMHW	(Cont.) Washington,D.C.
MOUNT VERNON FM	(. . - - -)	209°,8.2	FM	Washington, D.C.
QUANTICO Navy Range	203 (NYG)	20°, 4.6	MRLZ	3105, 4495
Quantico MCAS Tower	3295 (142.74)		CN	(3); 142.74

NEW RADIO FACILITIES

BRANDYWINE Range (Md.)	379(BDW)(116.1)		SMRLZ-DV	(3);116.1

INSTRUMENT LANDING SYSTEMS

(Localizer, Glide Path) in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ANDREWS (A)	110.3	335	10°	IM- (0.05)	MM- (1.20)	OM-
					MMK-379	OMK
PHILADELPHIA SW	109.9	333.8	85°	IM-	MM- (0.66)	OM- (5.66)
					MMK-	OMK-230
WASHINGTON	109.9	333.8	360°	IM- (0.03)	MM-	OM- (3.60)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

DIST. OF COLUMBIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Anacostia NAS (Washington) (N)	2.4 SE of Monument	8	50h R1 L5 S4	100 oct. No bcn.
(A) Bolling (Washington) (A)	3 SSE of Monument;riv W	20	60h R1 L5 S6	73,100 oct;100 oct JP-1.E blkd
(A,N) WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct. JP-1 on req. FOREIGN CLEAR. STN. Rdo reqr. NATS

MARYLAND

(A) Andrews (Camp Springs)(A)	1.5 E	279	55h R3 (L6) S4	80, 100 oct. JP-1.
(N) Beltsville OLF (N)	5 ESE	180	44h	
Capital (Berwyn)	2 NW; RR E	70	20	NOT MAINTAINED.
College Park	8.5 NE of D.C.	50	22 S6	80,91 oct.S,NW blkd,RR NW
Columbia Air Ctr. (Croom)	3 E; RR W	40	20	Trees N, NNW.
Congressional (Rockville)	2 SSE; hwy E	450	33 S6	80 oct. Pole line E, NE. Allway
Curtis (Brandywine)(NC)	3 SSW; RR E	200	18	Pole line N, W. fld.
Erco (Riverdale)	0.4 NE; RR W	50	15h S2	80 oct.Closed. 2800' rnwy avail
(A) Fort Meade (A)	0.5 NE ctr of reservation	180	19h S1	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

MARYLAND

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Hyde (Clinton)	2 WSW	249	32h L S6	80, 91 oct. Port flood lgts on req.
Maryland (Pomonkey)	0.2 S; RR S	170	32 S6	80,91 oct. SSE blkd.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct. NE blkd. P-line SE.
Schrom (Greenbelt)	0.3 SW; hwy W	177	50h L S6	80,91 oct. Floodlgts on req. SSE blkd.

NEW JERSEY

→ Almonesson (Blackwood)	0.5 N;RR E	50	21 S6	80 oct.Obst sur fld.
Bridgeport	0.8 ESE; RR N	23	18 S4	80 oct.
Burlington Airpark	1.7 ENE;hwy NNW	30	24 S4	80,91 oct. P-line E,SSE,NNW
Central (Camden)	1.8 E;riv S,W	20	25h L4 S5	80,91 oct.
Echelon (Ashland)	0.5 SE; RR W	100	27 S6	80, 91 oct. Pole line NW.
Marlton-Medford Inc. (Marlton)	1.5 ENE	80	30 S2	80 oct.
Mercer County, new (Trenton)	5 NW; RR SE	211	40h	
Mercer County, old (Trenton)	5.8 NW; RR E	200	25 S1	73, 80, 91 oct.
Merrill (Barrington)	1 ESE; RR E	70	35 S6	80 oct. No sto.Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 L S4	80,91 oct. Port rnwy lgts on req.
→ Pitman	1.6 NNW;RR E	100	19 S6	80 oct. P-line SE,SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2	80 oct. Pole line SW.

PENNSYLVANIA

Benedict (Chester)	6.5 W	400	26 S2	80 oct. Data unver.
Boulevard (Philadelphia)	12 NE;RR SW	160	22 S4	80 oct. Obsts sur fld.
Buckman (Chester)	2.3 WSW;RR NW	90	20 S4	80 oct. No sto.
Budd (Philadelphia)	13 NE;RR N	240	44h	Trees E,W.
Doylestown	1.5 NNE;RR SW	400	22 S6	80 oct.
Gloster (Montgomeryville)	0.7 SE;hwy W	460	22 S1	80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW;hwy E	600	18 S6	80 oct.
(N) Johnsville (N)	0.5 N;RR E	366	46h R1 S1	91,100 oct,P-line W,NW.
Kaiser (Bristol)	2 N; riv SE	35	38h	Pole line SW. RESTRICTED.
Landdale	1.6 ESE	450	29 S6	80,91 oct, P-line N,NE,E,S,W.
Morrisville	1.6 W; riv E	180	24 S6	80 oct.P-line NE,E,SE,SW,W,NW.
(N) Mustin NAAS (Philadelphia)(N)	4 S; riv S	16	48h R1 L5 S6	100 oct. Obst sur fld.
→ Old Star (Langhorne)	2.4 E; RR N	180	24 S5	80 oct. No sto. Poles N, S.
Patco (Norristown)	2.5 SE;bet RRs	200	19 S6	80,90 oct. No sto.
Perkiomen (Collegeville)	1.5 NE;rds NE	280	32 S6	80 oct. P-line N,NE,E,SE.
(P) Philadelphia Northeast	12,2 NE;hwy W	106	50h R2 L5 S1	80,91 ,100 oct.No flood lgts.
PHILADELPHIA SOUTHWEST	6.5 SW;riv SW	10	54h R3 L6 S6	82,91 oct. Rdo rec rqrd.
Quakertown	2 W; hwy E	520	21 S4	80 oct. No sto.
Somerton (Philadelphia)	14 NE;RR N,E	200	25 S6	80 oct. Poles N,S,W.
Valley Forge (Norristown)	4 WNW;riv NW	250	24 S6	80 oct. Riv SE.
(N) Willow Grove NAS (N) NATS	4 NNW;hwy E	369	40h R2 L5 S4	91,100 oct. No sto.
Wings (Ambler)	3 WSW;rds E,W	350	25 R1 S6	80,91 oct. Trees N,S.

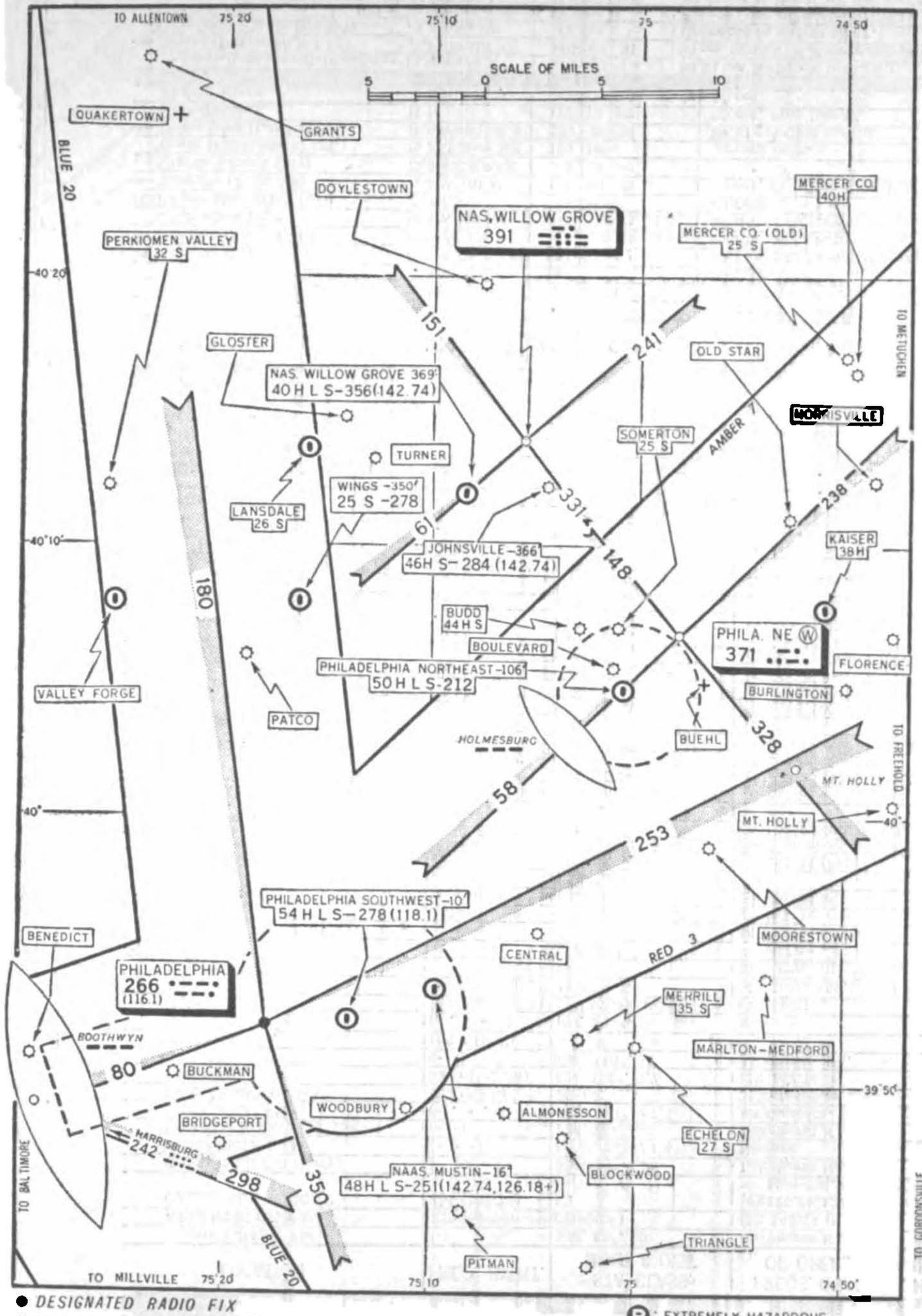
VIRGINIA

Beacon (Alexandria)	3 SSW;hwy E	246	27 L4 S6	80,91 oct. P-line SE,S,SW,NW blkd.
→ Crossroads (Alexandria)	4.5 NW;hwy NE	250	20 S1	Ltd 80 oct. No bndry,no obst.
→ Falls Church	2 SW;hwy N	350	25 S4	80 oct.E,W blkd.
Hybla Valley (Alexandria)	See Alexandria under "New Airports" - name changed.			
(N) Quantico MCAS (N)	1.2 SSW;RR W	10	42h R2 L5 S6	73,91,100 oct.
Springfield (Annandale)	3.5 SSE;RR E,N	240	20 S4	80 oct. No sto. Obsts sur fld.

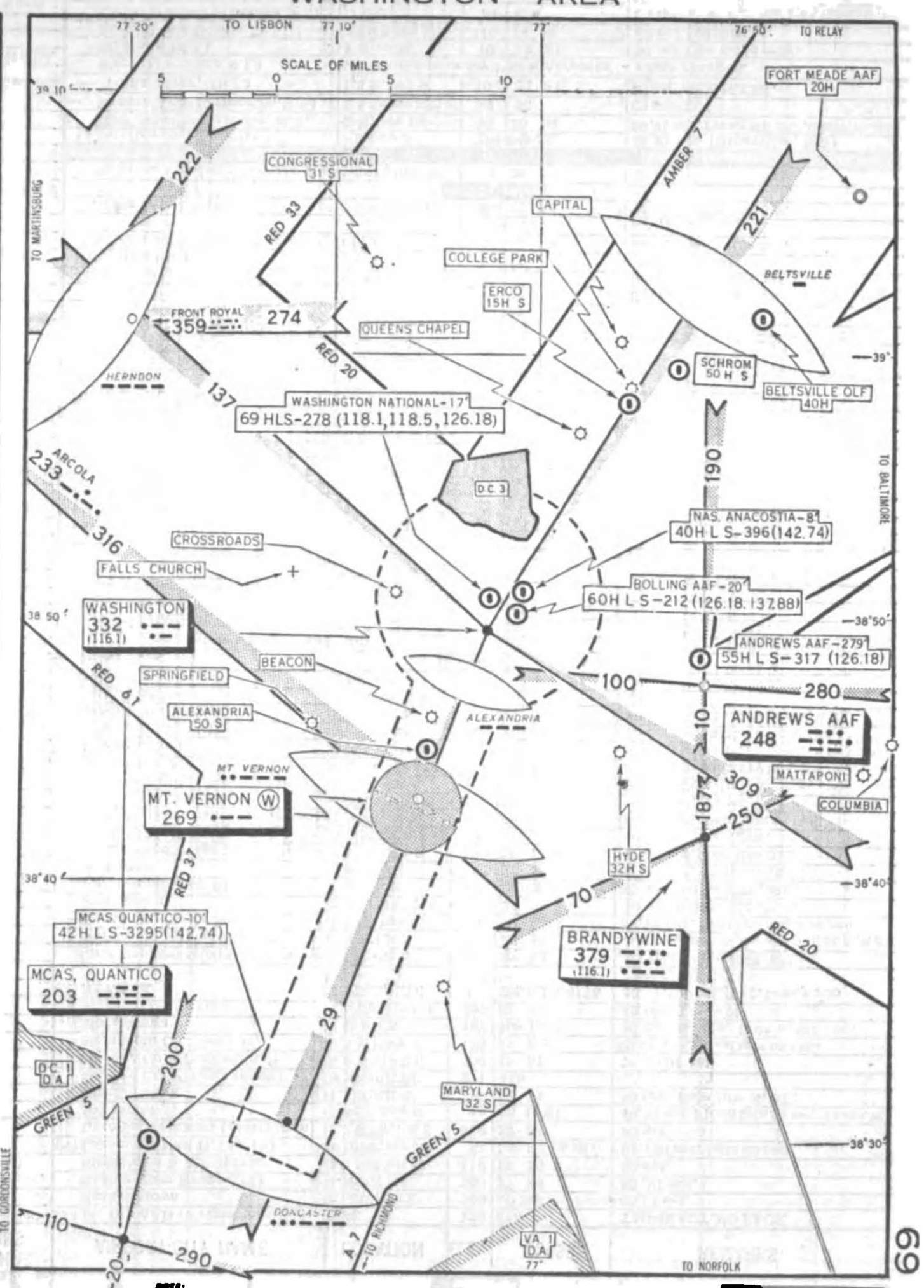
NEW AIRPORTS

Woodbury (N.J.)	1.8 SSW;RR N	50	21 S4	80 oct.
Alexandria, (Va.)	4.5 SSW;hwy E	66	50 S6	80 oct.Trees,pole lines surfield.
Turner (Lansdale, Pa.)	4.2 ESE	375	19 S6	80 oct.
Worth (Florence,N.J.)	1 SE;riv N	50	24 S4	80 oct.P-line WSW,NW.Trees S.
Mt Holly (N.J.)	1 N;rd N	70	22 S1	80 oct.Use strips only.

PHILADELPHIA AREA



WASHINGTON AREA



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ : EXTREMELY HAZARDOUS
Ⓤ : USABLE WITH CAUTION

NOTE:
HEAVY LINES ON EDGES OF BLACK
LAKE INDICATE "A" BOUNDARIES.

LESS THAN 2500 FT.
, HAVING UNPAVED
AND NO LIGHTS, CARRY
AIRPORT BOX.

RADIO

NEW JERSEY

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASBURY PARK FM	(-)	FM, 62°, 20	Lakehurst NAS.
ATLANTIC CITY NAS	275(142.74)	CN(GCA)	(3); 142.74 (8-sunset)
CALDWELL-WRIGHT	254 (126.18)	CI	(4);126.18,122.5 (830-sunset, Mon-Sat, 9-sunset Sun)
CASSVILLE FM (Navy)	(- - - -)	FM, 337°, 3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°, 1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM, 157°, 15	Lakehurst NAS
FREEHOLD FM	(- . - . -)	FM, 222°, 47.5	La Guardia, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295 (142.74)	CN; 157°, 0.7	(3); 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
MATAWAN	108.7 (MW)	VARW	
METUCHEN FM	(. . - - -)	FM, 238°, 13	Newark
NEWARK	341 (NK)(116.1)	SBRAZ-DTV;58°,1.0	(3); 116.1
Newark Airport	278(126.18,118.3)	AC(ILS-W)	(4); 122.5,126.18,118.3
TETERBORO (Bendix)	326	CI	3105,6210,3117.5;122.5

NEW YORK

CLASON POINT LFM			DECOMMISSIONED
FLATBUSH	353 (F)	FMHW;222°,16.1	(Cont.) La Guardia
FLATBUSH FM	(- - -)	FM, 222°,16.1	La Guardia
FLOYD BENNETT (New York)	379 (FB)	SMRLZ-DT	(3)
Floyd Bennett Fld NAS	368(142.74)	CN(GCA);122°,1.9	(3);142.74 (8-17)
Floyd Bennett Fld NAS	532(NSC)	MHW; 122°,0.15	(8-17 on req.) (Floyd Bennett)
GRUMMAN (Bethpage, L.I.)	323	CI	(8-1630, Mon.-Fri.)
IDLEWILD	248 (NY)	SMRLW, 72°,2.3	
LA GUARDIA (New York)	209(LG)(116.1)	SBRAZ-DTXV;222°,3.2	(3);116.1
La Guardia Field	362(126.18, 118.1,118.7	AC (ILS-W)	(4);126.18,118.1,118.7,122.5, & airline freqs.
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 weekdays)
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAZ-DT;301°,3.2	(3)
Mitchel Field	396(126.18) +	CA(ILS-W)(GCA)	(3);126.18(approach control)
NEW YORK (La Guardia)			DECOMMISSIONED
NEW ROCHELLE FM	(-)	FM, 42°, 5.6	La Guardia
NEW ROCHELLE	275 (R)	FMHW;42°,5.6	(Cont.) La Guardia
PORT CHESTER FM	(- -)	FM; 42°, 16.5	La Guardia
REPUBLIC FIELD(Farmingdale)	371	CI	(3) (days only)
ROCKAWAY PARK LFM	(- -)	LFM, 122°, 5.0	Floyd Bennett

PENNSYLVANIA

PHILADELPHIA NORTHEAST	371 (NF)	MLWZ-DT;238°,2.8	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LA GUARDIA	109.9	333.8	44°	IM-	MM- ·-·- (0.81)	OM- --(4.49)	
					MMK-233 ---	OMK 317 ·-·-	
MITCHEL(L6)(A)	110.3	335	301°	IM- (0.04)	MM- ····· (0.87)	OM- --(4.14)	
					MMK-257 --	OMK-272 ·--	
NEWARK (L6)	110.3	335	58°	IM-	MM- ·-·- (0.61)	OM- -- (4.04)	
					MMK-201 ·--·-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + —Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Acft. Radio Corporation(Boonton)	2.6 N;riv S	550	32	Poles N,E. PRIVATE
Asbury Park Inc (N.J.)	3.3 NW;hwy SE	60	22 S6	80 oct. P-line NW. Trees SE.
Asbury Park Air Terminal	4.5 W;rd N	100	24 S6	80 oct. 125' tank E.
Atlantic City	1.3 WSW;RR N	11	31 S2	80,91 oct. Ltd sto. 350' tank E, lgtd.
(N) Atlantic City NAS (N)	10 NW;RR NE	70	50h R1 L5 S4	80,100 oct. Lgts prior req.
Caldwell-Wright	2.4 N;riv N	175	47h R1 L1 S1	Rest'd to factory operations.
(CG) Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED.
Cavoli's (Richland)	1.5 W;RR N	100	20 S6	80 oct. Pole line NNE. Trees WNW
Clarke (Ocean City)	2.8 SW;RR SE	8	23	
Coyle (Chatsworth) (NC)	6 ESE;hwy NE	190	18	Emerg only.
Downstown (Landisville)	1.8 WNW;RR S	120	25 S6	80,91 oct, Obst sur fld.
East Hanover	1 N	170	15 S2	80 oct. Pole line W.
Forked River	1 ESE;riv S	12	18 S4	80 oct.

NEW FACILITIES

Trenton-Robbinsville(Robbinsv'l)	1 ESE;rd N	115	40	L4 S6	80,91 oct. No bcn. N blkd. (N.J)
Brown (Pittstown, N.J.)	1.5 SW;RR NE	540	40	S1	80 oct. PRIVATE. Emerg only. S,N blkd.
Mahalchik (Columbus, N.J)	2.8 S;hwy W	60	20		Unusable in wet weather.
Mid-Jersey(New Brunswick, N.J)	3 WSW;hwy SE	120	18		Emerg. use only. P-line SE.
Forsgate Arpk(Jamesburg, N.J)	1.6 SW;RR E	150	24	S6	80,91 oct. P-line N, NE, SW. Twr N end

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted).

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Ft. Dix AAB (Wrightstown)(A)	1 SE	120	81h	TMP INACT. NO FACS.
Hackettstown	2 SSW;riv E	560	30 S4	80,91 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80,91 oct.
Hightstown & Air Service	1.8 SW;RR W	110	19 S6	80 oct.
(N) Lakehurst NAS (LTA) (N)	1 NNW;riv N	94	38h R2 L5 S6	91,100 oct. Lgts on req.
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Lakewood	2.8 SE;hwy N	32	26 L S4	80,91 oct. Flood lgts on req. Trees W.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Pole line N, SE.
Mercer Co. (Trenton)(new)	5 NW;RR SE	211	41h	
Mercer Co. (Trenton)(old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co. (Belmar)	5.5 W;hwy E	180	35 L S6	80,91 oct. Flood lgts on req.
Morristown	3 E;RR N	187	40h L5 S4	80 oct. No sto. Lgts prior req.
Murchio (Paterson)	1.5 WNW;rd N	350	32 S4	80 oct. Trees N.
(A) NEWARK	3.5 SSE;RR E	18	79h R3 (L6) S6	80,91,100 oct. JP-1.2-way rdo rqrd. FEE
North Brunswick(New Brunswick)	2 SW;RR E	120	25 S2	No fuel. Poles ENE, ESE.
Northwest Jersey (Clinton)	3.6 W;RR S	380	22 S4	80 oct, Poles N,S. P-line N, WSW.
Ocean Co. (Brenton Wood)	1.5 SE;crk S	18	26 L S6	80,91 oct. Port flood lgts on req.
Pennington	2 ESE;hwy S,E	230	24 S4	80 oct. P-line ESE, SSE.
Princeton(Rocky Hill)	1 W;riv E	160	19 S1	80 oct, P-line ENE, SSE.
Red Bank	1 S;hwy E	80	26 S6	80,91 oct. P-line W,S,N.
Shinn-Woodbridge (Woodbridge)	3.9 NW;RR E	120	21 L S4	73,80 oct. Pole line SE.
Smith C.H. (Cape May)	2.2 NE;hwy NW	20	19 S2	80 oct, P-line E, NW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	45 L S6	80,91 oct. Port lgts on req.
Somerset (Somerville)	4.6 NW;RR SE	105	20 S5	80,91 oct. Trees W.
Somerset Hills (Basking Ridge)	1.6 SE;RR S	250	24 S6	80 oct. Pole line W. Rdo rcvr rqrd.
(P) Teterboro-Air Term.(Bendix)	0.5 SW;RR NW	5	30h R1 L5 S6	80,91 oct. No bndry lgts. Rnwy lgts on req. Rnwy data unver.
Trenton (NC)	6 NE;hwy NW	70	15 S1	80 oct, P-line W.
Trinca (Andover)	2 WSW;RR E	600	24 S6	73 oct. Restricted to USFS.
Westfield (Rahway)	2 W;lake N	100	24 S4	80 oct. No sto. Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h S6	80 oct.
(P) Woodbine	2 SE	39	36h L1 S6	80,91 oct. Bcn on req.

NEW YORK

Bender's-Brentwood (Brentwood)	1 ENE;RR N	85	10	CAUTION - construction. (NC)
Carll Skyport (Commack)	1 S;RR N,S	140	24 S1	80 oct. Trees S,SE.
Columbia (Valley Stream)	1 SW;RR N	15	29h	
Davis Flight Strip(Bayport)(NC)	1.3 NNW;RR S	40	22	
Deer Park (NC)	0.8 ESE;RR N	75	10	Trees adj E. Pole line W.
Donovan Hughes (Greenridge)	1 N;crks S,W	10	17 S1	80 oct.
Fitzmaurice(Massapequa)	1.5 ENE;RR S	36	14 S6	80 oct. No sto. Trees N,S.
(N) Floyd Bennett NAS (New York)(N)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto. No bcn. NATS
Flushing	1.5 NNW;pkwy E	4	32 L S4	80 oct. P-line W,SW. Port rnwy lgts
Grumman (Bethpage)	0.5 W;RR NE	119	54h R1 S5	91,100 oct. Poles SW,SE. prior req.
Hicksville Airpark	2.4 N;RR E	190	20 S4	80 oct. Rnwy data unver.
LA GUARDIA (New York)	5 E;riv N	19	60h R3 L6 S1	73,100 oct. Rdo rcv rqrd. FEE.
(P) MacArthur (Islip)	8 NE;RRs N,S	98	50h R1 L5 S1	91 oct. All lgts prior req. Rdo rqrd.
(P) Mastic Flight Strip	2.6 NW	66	40h	
(A) Mitchel (Hempstead) (A)	0.5 NE;RR N	85	57h R3 (L6) S6	73,91,100 oct. JP-1. FOREIGN
Nassau (Hempstead) (NC)	4.5 E;hwy N	80	21	CLEAR. STN.
Republic (Farmingdale)	1.3 ENE;RR N	82	66h R1 L6 S1	NE blkd. Closed ngts. trans. PRIV.
Richmond Co. (Travis) (NC)	0.5 SW;riv W	10	24	160' chimney SW.
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct. Pwr line S,SE. Port rnwy lgts
Roosevelt (Mineola)	1.6 ESE;RR N	90	30h L3 S5	80,91,100 oct. Wires NE.
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S;rd W	40	22 S4	80 oct. Pole line SW.
Zahns (Amityville)	2.5 NNE;RR NE	80	22 S6	80 oct. Pole line SW.

PENNSYLVANIA

Skyhaven Aircenter (Morrisville)	1.2 SSE;RR W	25	26 S4	80 oct.

NEW AIRPORTS

Aviation Country Club	2 S;hwy S	104	24 S6	80,91 oct, (Hicksville, N.Y)
New Sayville (Sayville, N.Y.	2 N;hwy 1 S	50	30 S4	80,91 oct. Trees NE,SW,WNW. P-line NE.
Nassau Arpk (Princeton, N.J.)	2.5 S;hwy SE	80	30	CLOSED.
Toms River, (N.J.)	1.3 N;hwy W	70	21 S1	80 oct. Bush N,ESE.
Worth (Florence, N.J.)	See Florence under "New Airports" - name changed.			
Mt Holly (N.J.)	1 N;rd N	70	22 S1	80 oct. Use strip only.
Buehl (Philadelphia, Pa)	18 NE;RR SE	110	24 S4	80 oct. Data unver.
General Motors (Linden, N.J.)	1 SE	23	45h	CLOSED. W',E,S,NW' less than 10-1
Star Harbor(Williamst'n,N.J)	0.8 N;hwy SE,NW	150	18 S1	80 oct. P-line ENE,SSW,WSW.
Florence, N.J.	1 SE;riv N	50	24 S4	80 oct. P-line WSW,NW. Trees S

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓤ: USABLE WITH CAUTION

LAKE SUSQUEHANNA
TRINCA
TO BRANCHVILLE
ALLENTOWN 320
240
RED 33
5000
RED 23
36
50
LINCOLN PARK
MURCHIO
AIRCRAFT RADIO CORP
129
NEW HACKENSACK 236
28
3000
45
4000
PATTERSON
CALDWELL-WRIGHT 254 126.18
TETERBORO 326
15
YONKERS
LITTLE FERRY
NEW ROCHELLE 6
NEW ROCHELLE (W) 275
238
222
STEWART 335
10
TO HARTFORD
80
BRIDGEPORT 221
PORT CHESTER 16
12
14
RED 23
2000
ALBANY 55
73°
41°04'
SALEM
41°
10
STATUTE MILES 5 0 5 10
TO BELFAST
HACKETTSTOWN
58
RED 21
4000
MORRISTOWN
E. HANOVER
LA GUARDIA 362 118.1, 118.7, 126.18
121
LA GUARDIA 209 (116.1)
AVIATION COUNTRY CLUB
HICKSVILLE
GRUMMAN 323
248
CARLL
GLENCOVE
HUNTINGTON
273
ST. JAMES
64
MASTIC
MACARTHUR 278
NEW SAYVILLE
SYRACUSE 53
NEWARK 341 (116.1)
NEWARK 278 118.3, 126.18
14
HOLMES 233
FLUSHING
GREAT NECK
ROOSEVELT
109
MASPETH 317
217
222
MITCHEL AAF 396 126.18
REPUBLIC 371
ZAHNS
FITZMAURICE
23
SOMERSET HILLS
LEBANON 32
WESTFIELD
ELIZABETH
FLATBUSH 16
122
132
FLATBUSH (W) 353
COLUMBIA
IDLEWILD (W) 248
MITCHEL AAF 227
301
NEW YORK
NW JERSEY
ALLENTOWN 320
SOMERSET
SHINN-WOODBRIDGE
GENERAL MOTORS
HUGHES
CONEY ISLAND
ROCKAWAY
ROCKAWAY 5
312
BROWN
290
SOLBERG-HUNTERDON
HADLEY
3000
GREEN 3
STATEN IS
42
317
MITCHEL
LONG BEACH
RIIS PARK
FLOYD BENNETT 379
NAS. FLOYD BENNETT (W) 532
302
22
40°30'
57
WASHINGTON 67
MID-JERSEY
METUCHEN 13
2000
PRINCETON
NO. BRUNSWICK
FOR MATAWAN VHF RANGE SEE CHART 144
39
42
58
AMBER 7
29
NAS. FLOYD BENNETT 388 142.74
LAMBROSE
72
PENNINGTON
44
FORSGATE
RED BANK
MERCER CO.
NASSAU
MERCER CO. (OLD)
FREEHOLD 48
ASBURY PARK INC.
238
44
GREEN 5
HIGHTSTOWN
TRENTON-ROBBINSVILLE
ASBURY PARK AIR TERM.
MORRISVILLE
SKYHAVEN
OLD STAR
BLUE 18
MONMOUTH CO.
37
PHILA. NE(W) 371
253
242
ASBURY PARK 20
KAISER
FLORENCE
BURLINGTON
BUEHL
CA
LAKEWOOD
OCEAN CO.
RED 3
MAHALCHIK
CASSVILLE 3
NAS. LAKEHURST 3295 142.74
FORKED RIVER
PHILADELPHIA 266
MT. HOLLY
MT. HOLLY
FORT DIX AAB
TOMS RIVER
3000
34
72
NAS. LAKEHURST 520
337
243
MOORESTOWN
26
328
MILLVILLE 365
FORKED RIVER 15
67
FORKED RIVER
75°
39°48'
74°30'
74°
EXTENSIVE FLEET AIR OPERATIONS IN OFF-SHORE AREA TO APPROX 100 MI SEAWARD. N. BOUND U.S.-CANADIAN BORDER, S. BOUND LAT 35-00
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.
REMAIN ABOVE 3000' NEAR LAKEHURST, ALSO BETWEEN THE NAS AND COAST (INTENSIVE AIRSHIP ACTIVITIES) UNLESS APPROVED BY THE NEW YORK CENTER
ALL FACILITIES IN NEW YORK FLIGHT ADVISORY AREA
ATLANTIC OCEAN Ⓡ

SOUTHERN NEW JERSEY

STAR HARBOR
GREEN 5
MITCHEL
N. Y. OCEANIC ATC
WASH. OCEANIC ATC
MILLVILLE 365
243
CA
NAS. ATLANTIC CITY 275 142.74
DOWNSTOWN
CAVOLI'S
DA
ATLANTIC CITY
WOODBINE
SMITH
WILDWOOD
CGAS, CAPE MAY
N.Y. WASH.
CAPE MAY
SCALE OF MILES
10 0 10 20 30
39°48'
75°
39°15'
40°
38°45'
74°30'

NEW YORK 71

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT;210°,4.7	(3);4220,126.18
Fairfield-Suisun AAF (Army)	350(126.18)	CA(ILS-W)(GCA)	(4); 4220;126.18
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ;160°,2.1	
Hamilton Field	219 (126.18)+	CA◆ ;53.13	(3);126.18,4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA	(3); 126.18
Mather Army (H fac.)	476 (DIM)	H : 216°,0.8	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV,199°,0.2	(4);116.1,122.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-DTV	(3); 116.1
Sacramento Airport	278 (126.18)	C; 22°, 1.7	(4);122.5
SALINAS	266(SB)(vhf)	BMRL-DTV;310°,2.4	(4);116.1,122.1
SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV,291°,3.6	(3);122.1
→ SANTA ROSA NAAS			DECOMMISSIONED
→ SAUSALITO FM			DECOMMISSIONED
STOCKTON	212(JW)(vhf)	BMRL-DTV;285°,3.1	(4);116.1,122.1
NEW RADIO FACILITIES			
SALINAS	109.1(SB)(vhf)	BVAR	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)					
→ FAIRFIELD-SUISUN(L6)(A)	110.3	335	210°	IM-	(0.3)	MM-	(1.13)	OM-	
						MMK-		OMK-	
				IM-		MM-		OM-	
						MMK-		OMK-	

S-Simul. Range and Voice; W-Without Voice; **Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.**
Parenthetical Numbers in Frequency Column Indicate **VHF Voice.** **+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.**

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15	Trees S.
→ American Legion(Salinas)	1.8 NNW			ABANDONED
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg	2.4 NNE,riv SE	15	27 S6	80 oct.E,SSE blkd.(Clarksburg)
Boulder Creek	3 NW;rd W	810	29 S1	80oct.Lgt planes&exper.pilots only.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver[Sur by mtns.
→ Carmel Valley	12.5 ESE,riv S	450	19 S2	80 oct.
(N) Cotati OLF (N)	1.5 N,RR E	94	39h	Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	CLOSED
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.
Fairfield-Suisun	1 E,RR N	7	35 S6	80 oct.N,S,W,NW,SW blkd.
(A) Fairfield-Suisun AAF (A)	5.5 NE	58	81h R3(L6)S4	73,100 oct.FOREIGN CLEAR STN.
(A) Franklin (A)	5.5 SSE; riv E	21	40h	CLOSED
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
→ Justman (Petaluma)	1.5 ENE,RR SW	25	17 L S2	80 oct.No sto.Flare pots prior req
→ King City	1.5 NNE,RR W	370	45h L S6	80,91 oct. Obst lgts on req.
(P) Kingsbury (Lodi)	See Lodi under "New Airports" name changed.			
(P) Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.

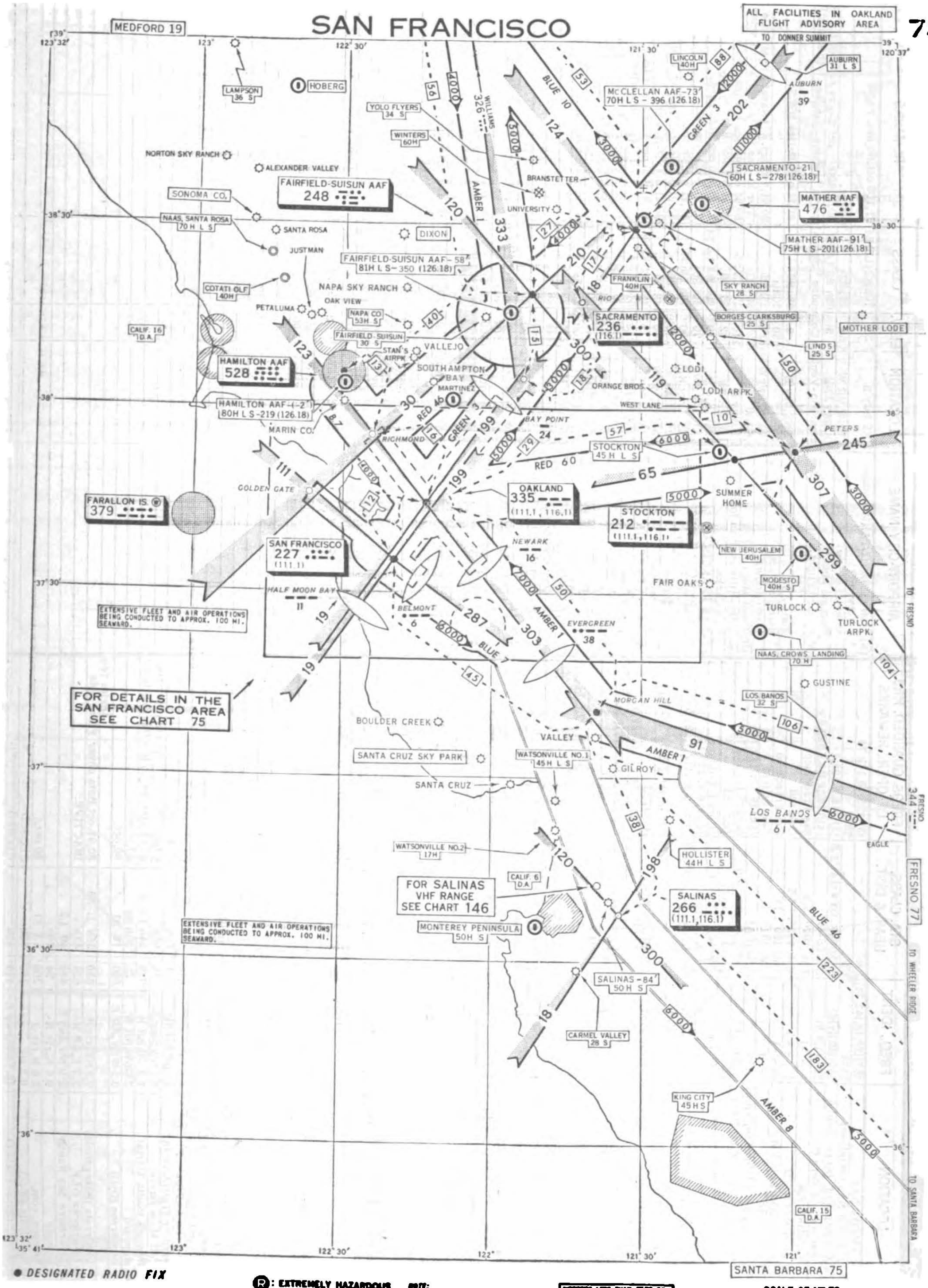
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Lincoln	3.6 WNW;hwy S	120	40h S4	80 oct.
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.Poles E.
Lodi Airpark	4.5 SW;hwy E	25	28 S6	80 oct. P-line E.No sto.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE;bay E	2	22 S6	80 oct. Use N pattern.
→ Martinez	0.8 N,RR S	6	20 S6	80,91 oct.Hill W.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	91	75h R2 L5 S6	91,100 oct. No sto.
MODESTO	2.2 ESE,riv S	100	40h L5 S6	80,91 oct. Lgts prior req. TEMP INACT
(N) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L5 S6	80,91 oct.Lgts prior req NO NAVY
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S. FAC.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	75	20 S6	80, 91 oct. Hwy W Flares req.
(A) New Jerusalem(Tracy)(A)	8.5 ESE	56	40h	River E. CLOSED prior req.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	25 S1	80 oct.Pole line WNW-ENE
Orange Bros. (Stockton)	5 N;RR E	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
→ Petaluma	1.7 N,RR E,W	30	18 S6	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct.
(P) Salinas	2.5 SE,RR SW	84	50h R1 L5 S6	80, 91 oct. Lgts on req.
→ Santa Cruz	4.8 E;RR S	96	26 S6	80,91 oct.Trees NW,SW.
(P) Santa Rosa	See Sonoma Co. under "New Airports" - name changed.			
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h	INACTIVE.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S6	80,91 oct.Port rnwy lgts. NE,S,SW
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. blkd.
State Forestry(Davis)(NC)	3 E,hwy N	28	26	Power line W.
(P) Stockton	4 SSE,RR W,SW	28	45h R1 L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW;crk S	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct. Wire NE
Valley (Morgan Hill)	1.2 S,hwy E	240	17 S1	80 oct. P-line SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW;hwy E	125	23h	
West Lane(Stockton)	4.1 N,RR W	25	25 S6	80,91 oct.W blkd.Wire NW.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	98	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S6	80,91 oct. Port rnwy lgts. Poles E.
NEW AIRPORTS				
Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.
Santa Cruz Sky Park	5.3 N;hwy E		21h S2	80,91 oct.
Turlock, (Calif.)	4 WSW;RR N	100	18 S1	80 oct.
Turlock Arpk, (Calif.)	1.5 SSE;hwy E	95	15 S2	73,80 oct.
(P) Sonoma Co. (Calif.)	7 NW;RR E	118	45h L5 S6	80,91,100 oct.Lgts on req.
Dixon (Calif.)	1.8 NNE;hwy NW	65	21 S2	80 oct.P-line N.Soft when wet.
Southampton Bay Air Harbor (Benecia,Calif.)	2.9 WNW;hwy E	10	24 S3	80 oct.Wires SSE.Soft when wet.
Fair Oaks Sky Nook(Fair Oaks,Calif.)	2.3 S;hwy,RR E	70	21 S4	80,91 oct.ENE blkd.
Gilroy (Calif.)	2 NW;rd E,N	240	25 S2	80 oct.NE,E,SE blkd.
(P) Lodi (Calif.)	6 WSW;RR NE	15	40h S6	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ **A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)**

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. **Airports are indented and non-capitalized.**

SAN FRANCISCO



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

NOTE:
HEAVY LINES OR SHORE OF RANGE LEGS INDICATE "B" BOUNDARIES.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CANNOT BE CLASED AS AIRPORT BDY.

SCALE OF MILES
10 0 10 20 30

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C (ILS-W)	(4);126.18,118.5,122.5
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
LEBEC FM	(- -)	FM; 141°, 42	Bakersfield
MOFFETT NAS(Mountain View)	3295	CN(GCA)	(3);126.18, 142.74
MT.VIEW(Navy)(Moffett NAS)	323 (NUC)	BMRLZ; 320°, 1.9	(3);126.18, 142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMHW;123°,16.0	(Cont.) Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV	(4);116.1, 122.1
Oakland Airport	278(126.18,118.7)	AC(ILS)(GCA);199°,0.2	(4);126,18,118.7,122.5
PASO ROBLES	(108.7) (OB)	VARW	
POINT MUGU NAMTC	3295(142.74)	CN	3105,6210;142.74 (8-20)
SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV	(3);122.1
San Francisco Airport	269(126,18,118.9)	AC;291°,3.6	(4);126.18,118.9,122.5
SAN FRANCISCO GAP	356 (F)	MHW;285°,10.0	(Cont.) San Francisco
→ SANTA BARBARA	(108.3)(OY)	BVAR	
SANTA BARBARA	320(OY)(116.1)	BMRLZ-DTV	(4);116.1
Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4);118.7,126.18,122.5,142.74
→ SAUSALITO FM			DECOMMISSIONED

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- • — • — (0.62)	OM- — — (4.71)
					MMK-	OMK-
OAKLAND	109.9 — —	333.8	274°	IM- ····· (0.12)	MM-	OM- — — (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

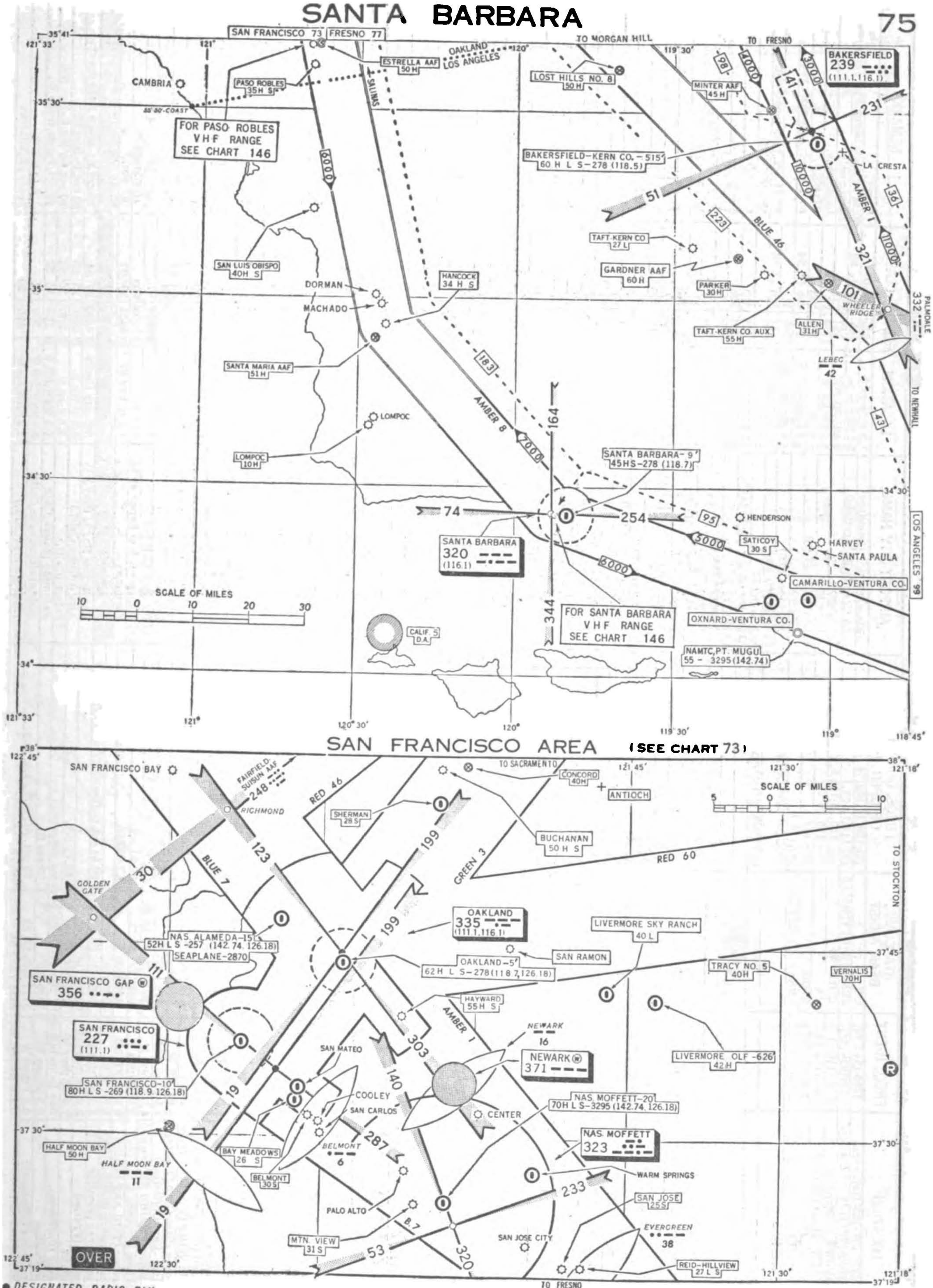
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay S,W	15	52h R1 L5 S6	91,100 oct.No sto. NATS
(A) Allen (Taft) (A)	26 ESE	500	31h	CLOSED
Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 S6	80,91 oct. P-line N.
Belmont	0.5 N,RR W	5	30 S6	80,91 oct.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
Concord	1.9 NE,hwy S	104	40h	CLOSED
Contra Costa Co. (Concord)	See Buchanan,Calif. under "New Arpts"-name changed			
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
(A) Estrella AAF(Paso Robles)(A)	4.5 NE	806	50h	CLOSED
(A) Gardner (Taft) AAF (A)	9 ESE,RR SE	444	60h	CLOSED
(A) Half Moon Bay (A)	5.5 NW;hwy E	36	50h	CLOSED | Lgts prior req.
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W
(P) Hayward	2 WSW,RR W	25	55h S6	80,91 oct.
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct. | prior req.
La Cresta (Bakersfield)	2.5 NE,riv N	660	36h L S6	80,91 oct.Data unver. Flare pots
(N) Livermore OLF	3.7 E,RR N	626	43h	INACTIVE.
(N) Livermore Sky Ranch	2 WNW,hwy E	448	40 L2	
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	410	45h	CLOSED
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	70h R2 (L5) S4	91,100 oct.No sto. NATS
Mountain View	2.2 NW,RR W	57	28 S2	80 oct.
Oakland Mun.	5 S, hwy 2 NE	5	62h R3 L6 S6	80,91,100 oct. 2-way rdo req.NATS
(P) Oxnard Flight Strip	See Camarillo-Ventura Co. under "New Airports" - name changed. | (Hospital)			
Palo Alto	2 ENE,bay E	5	23 S6	80,91 oct. P-line NW,S
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct. | Naval Air Missile
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-line E.CLOSED Test Center
→ Reid-Hillview (San Jose)	4 E,hwy N	140	27 L3 S6	80,91 oct.No bcn.NW blkd.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE;bay E	10	80h R2 L5 S6	80,91,100 oct. Rdo rqrd.
→ San Jose City (San Jose)	2 NW;RR SW	70	40 S6	80,91 oct.P-line SE
(P) San Luis Obispo	2 SSE;hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE;RR E	6	15 S6	80,91 oct.No sto. Hwy W. P-line SE
San Ramon	2.5 SE;Crk W	440	22 S1	80,91 oct. P-line SE
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Twr S.obst lgtd.
(P) Santa Maria	3.5 S,hwy E	258	51h	| No lgts after 10 p.m.
Santa Paula	0.8 S;riv S	240	21 L S6	80 oct.Port.strip lgts prior req.P-line
Saticoy	1.5 S;RR NW	80	21 S1	80 oct.Trees NE. | ENE,WSW.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE;RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
(P) Tracy,mun	3.5 SSW;hwy NW	190	40h	
Ventura County (Oxnard)	See Oxnard-Ventura Co. under "New Airports" - name changed.			
Vernalis	2.3 S	207	70h	
→ Warm Springs	2.3 SSE,RR W	100	23 S6	80 oct.
NEW AIRPORTS				
Dorman (Santa Maria)	4 N,RR SW	380	23 S1	80 oct.
Cooley (San Carlos)	2.9 NNW;RR W	6	20 S1	80,91 oct. Wire SE.Emerg.use.
Machado (Santa Maria)	2.2 N;RR S	230	22 S4	80 oct, No sto.
→ San Jose	3.4 E;rd W	125	25 L4 S6	80,91 oct.No bcn.
Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Buchanan (Concord,Calif.)	1.5 NW;hwy N,S	22	50h L S6	80,91 oct. Port lgts. Lgts prior req.
(P) Camarillo-Ventura Co (Calif)	5.5 E;RR S	84	50h	
→ OXNARD-VENTURA CO (Calif)	1 W;hwy E	44	46h L S6	80,91 oct.Port rnwy lgts prior req.
→ San Francisco Bay (San Rafael,Calif.)	1.5 ESE;RR SW	2	15 S1	80 oct.hill SW.
Center(Centerville,Calif.)	2.1 SSE	62	26 S6	80 oct.Wire WNW
→ Harvey Fld (Santa Paula,Calif.)	1.7 E;riv S	290	26 S1	80 oct.Trees E,W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

SANTA BARBARA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF BLACK
LEGS INDICATE "B" BOUNDARYS

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SYM.

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARMITAGE OLF (Inyokern)	3295 (142.74)	CN	(3);126.18,142.74 (days)
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C(ILS-W)	(4); 126.18,118.5,122.5
CASTLE FIELD (Merced)	396 (126.18)	CA	(3); 126.18
DONNER SUMMIT	385 (DS)(116.1)	BMRL-DTV	(4); 116.1
FRESNO (Fresno-Chandler)	344(FT)(116.1)	SBRAZ-DTV;23°,0.9	(4);116.1
➤ MOJAVE NAS			DECOMMISSIONED
➤ TRONA			DECOMMISSIONED

NEVADA

FALLON	230 (VA)	SRAWZ; 219°, 2.9	
➤ GABBS (Int.)			DECOMMISSIONED
HUBBARD FLD (Reno)	278	CI	(4) (8-16 Mon.,Tues,Thurs,Fri; 5-20 Wed,Sat,Sun.)
RENO (Hubbard)	254 (RP)(116.1)	SBRAZ-DTV,161°,3.3	(4); 116.1
TONOPAH (AAF)	221 (RY)+	SRAWZ;168°,2.6	
WADSWORTH FM	(-)	FM, 48°, 27	Reno.

NEW RADIO FACILITIES

➤ INYOKERN(Armitage)(Cal.)	323(GIK)	MRLWZ;169°,4.1	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- •— •• (0.62)	OM- —— (4.71)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct. No sto. Pole line NNW, SSE. Port rnwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W; 75' twr E.
Allen (Taft)	26 ESE	500	31h	CLOSED
➤ Amargosa (Death Valley Jct.)	0.7 W;hwy E	2037	22 S1	73 oct. Pole line S.
(N) Armitage OLF (Inyokern)(N)	8 ENE	2218	90h R2 L5 S1	91,100 oct. CLOSED
(P) BAKERSFIELD-KERN CO. (Bakersfield)	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Big Pine	3.4 ESE;RR W	4000	43	1500' mts SE; 1000' mts E.
(P) Bishop	2 ENE;riv E	4121	75h	
➤ Boston Land Co.(Westhaven)	1.7 SSW;hwy N			ABANDONED.
Bryant (Bridgeport) (NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N; RR W	310	19 S6	80 oct. Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	185	70h R1 L5 S6	91,100 oct. JP-1.
Coalinga	1.5 N;hwy E	664	56h S4	80,91 oct.Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;hwy S	200	37 S4	80,91 oct.Pwrline NE,SE,SW,NW.
➤ Cornell (Porterville) (NC)	2.4 SSW;RR E			ABANDONED.
Death Valley (Furnace Creek)	1 WNW	-178	40 S2	80,91 oct.Data unver. Closed May 1 to Oct 15.
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
(P) Delano-Kern Co(Delano)	1.5 SE;RR W	315	60h S1	80,91 oct.
FRESNO-CHANDLER(Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct.
(A) Gardner (Taft) AAF (A)	9 ESE;RR SE	444	60h	CLOSED.
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	25 S6	80,91 oct.P-line NW. Trees SE.
(P) Hammer (Fresno)	4.8 NE;rds N,E	331	71h	
Hanford	1.2 SE ;hwy W	246	21 S6	80,91 oct.
Harvey (Corcoran)	See Baldwin under "New Airports" - name changed.			
Independence	0.9 N;hwy W	3926	29	Trees S.
(P) Inyo County (Manzanar)	0.5 E;hwy W	3775	50h L5 S2	80 oct. All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW;RR E	2455	72h S4	NATS
Kleinhammer (Lemoore)	1.2 N;hwys S	225	16 S6	80 oct. req.
La Cresta (Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct.Data unver.Flare pots prior
(P) Lemoore	9 SW;RR NW	247	33h	Emerg only.
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED.
Madera	3.5 WNW;hwy E	271	45h L5 S4	80,100 oct. Lgts prior req.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) MERCED MUN.	1.6 WSW;RR NE	152	40h L5 S6	80,91 oct. Lgts prior req.
➤ Merced #1	2.5 NW;RR SW			ABANDONED
(A) Minter (Bakersfield) (A)	13.5 NW;hwy E	410	45h	CLOSED.
(N) Mojave NAS (N)	0.7 E;hwy W	2751	59h	CLOSED.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USFS (NC)
Newton (Stratford)	2.7 SSW;hwy NW	194	22 S6	80,91 oct. P-line NNW.
Paiva Intercity (Parlier)	1.5 WSW;RR NE	330	27 S4	80 oct. Poles ESE
Parker (Taft)	15 SE	550	30h	
Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S6	80 oct.
(P) Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
Sequoia (Visalia) (NC)	8.5 NNW;RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RR adj E	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28 S6	80,91 oct.
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N;RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USFS (NC)
Trona	5 NE;rd W	1716	60 L3	Fld sur by mtns.
★ Truckee Int, 16B, SF-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec. - April.
Tulare	2.9 SSE;RR W	300	20 L S6	80,91 oct. No sto.Port rnwy lgts.
Tunnel (Olancha) USFS (NC)	16.5 WNW;riv S	9100	18	Mtns - timber 2000' NE Closed to Public
(P) Visalia	.5 W; RR W	292	60h	
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S Ctn-cattle on fld.
Wishon (Bass Lake) USFS	1.5 WNW	3380	22 S1	80 oct. Trees NNW.Closed to Public
Woodlake	2.6 ESE;lake NW	450	40 S4	80 oct. No sto.

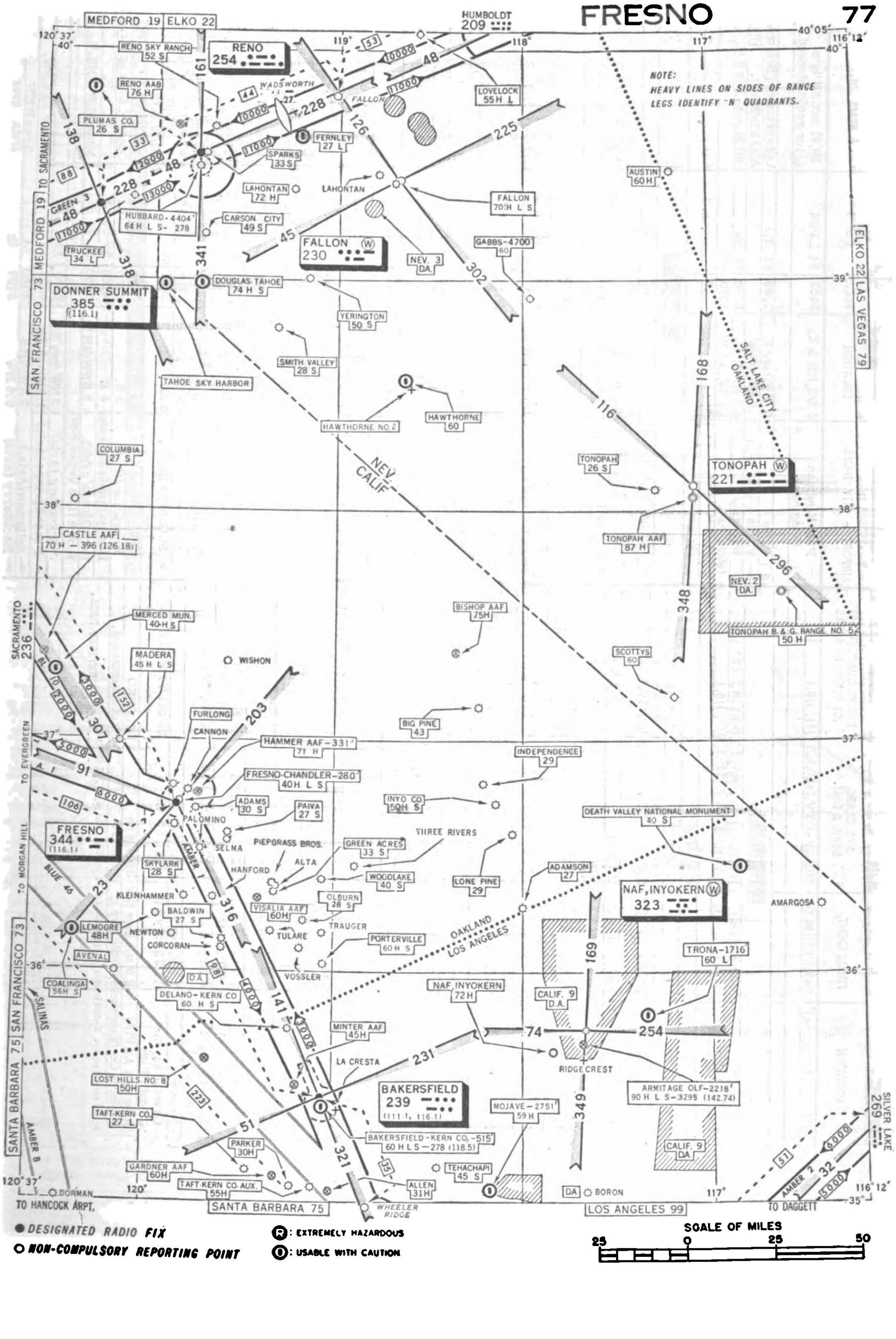
NEVADA

Austin OLF	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct. Mtns N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h L5 S6	80,91 oct.
★ Fernley Int, 22, SF-SL	3.3 E;hwy NW	4156	27 L2	
(N) Fallon	6 SE;hwy S	3931	70h L5 S4	80,91 oct.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60	
(N) Hawthorne (N)	2 N;lake NNW	4200	60 L	Emerg. lgtg on 1/2 hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	64h R2 L5 S4	80,91,100 oct.
Lahontan (Fallon)	1.4 SSW;hwy W	3980	24 S4	80 oct. Poles ENE,WSW.Hwy W
(P) Lahontan Flight Strip(Fernley)	15.5 S;hwy N	4279	72h	
Lovelock, Site 26, SF-SL	9 SSW;RR NW	3906	55h L5	
➤ Manhattan (NC)	6.8 W;hwy W	5850	44	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	Mtns sur fld. CLOSED.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
★ Scottys Int, 22, RV-ND	9 SSE Gold Pt.	4300	60	
Smith Valley	1 ESE;hwy N	4850	28 S6	73, 80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
➤ Tahoe Sky Harbor (Zepher Cove)	3.5 S;lk W	6230	42 S1	80 oct. E blk.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5426	87h	TMP INAC NO FACS.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;hwy S.	4483	50 S1	73 oct.

NEW AIRPORTS

Hawthorne No. 2, (Nev.)	NE city limits	4200	27 S1	80 oct.Hi-line S.Data unver.
Alta (Dinuba,Calif.)	4.3 E;RR S	360	23 S6	80 oct.P-line SE.
Selma (Calif.)	2.6 E;rd N	315	25 S4	80 oct.No sto.P-line NW
Palomino (Selma,Calif.)	6.5 WSW;RR W	267	18 S2	80 oct.Fence,trees W.
Baldwin (Corcoran,Calif)	2.7 NNW;RR W	200	27	
➤ Three Rivers (Calif.)	2.2 NNE;riv W	850	20	Trees SE,hill NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➤ NEW OR REVISED DATA


MEDFORD 19 ELKO 22
HUMBOLDT 209
RENO SKY RANCH 52 S
RENO 254
RENO AAB 76 H
WADSWORTH
FALLON
LOVELOCK 55 H L
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
PLUMAS CO. 26 S
FERNLEY 27 L
SPARKS 33 S
AUSTIN 60 H
LAHONTAN 72 H
LAHONTAN
FALLON 70 H L S
HUBBARD - 4404' 64 H L S - 278
CARSON CITY 49 S
FALLON 230 (W)
GABBS - 4700 60
TRUCKEE 34 L
NEV. 3 DA.
DONNER SUMMIT 385 (116.1)
DOUGLAS-TAHOE 74 H S
YERINGTON 50 S
SMITH VALLEY 28 S
TAHOE SKY HARBOR
HAWTHORNE NO. 2
HAWTHORNE 60
SALT LAKE CITY OAKLAND
TONOPAH 26 S
TONOPAH 221 (W)
COLUMBIA 27 S
NEV. CALIF
TONOPAH AAF 87 H
CASTLE AAF 70 H — 396 (126.18)
NEV. 2 DA.
TONOPAH B. & G. RANGE NO. 5 50 H
BISHOP AAF 75H
MERCED MUN. 40-H S
SCOTTYS 60
MADERA 45 H L S
WISHON
BIG PINE 43
FURLONG
CANNON
HAMMER AAF - 331' 71 H
INDEPENDENCE 29
FRESNO-CHANDLER-280' 40 H L S
ADAMS 30 S
PAIVA 27 S
INYO CO. 50 H S
DEATH VALLEY NATIONAL MONUMENT 40 S
PALOMINO
FRESNO 344 (116.1)
SELMA
PIEPGRASS BROS.
GREEN ACRES 33 S
THREE RIVERS
SKYLARK 28 S
HANFORD
ALTA
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
NAF, INYOKERN (W) 323
KLEINHAMMER
OLBURN 28 S
VISALIA AAF 60H
BALDWIN 27 S
LEMOORE 48H
NEWTON
TRAUGER
TULARE
PORTERVILLE 60 H S
AMARGOSA
CORCORAN
OAKLAND LOS ANGELES
TRONA - 1716 60 L
AVENAL
VOSSLER
COALINGA 56H S
DELANO-KERN CO 60 H S
NAF, INYOKERN 72 H
CALIF. 9 D.A.
MINTER AAF 45H
LA CRESTA
RIDGE CREST
LOST HILLS NO. 8 50H
BAKERSFIELD 239 (111.1, 116.1)
ARMITAGE OLF - 2218' 90 H L S - 3295 (142.74)
MOJAVE - 2751' 59 H
TAFT-KERN CO. 27 L
BAKERSFIELD - KERN CO. - 515' 60 H L S - 278 (118.5)
PARKER 30H
CALIF. 9 D.A.
GARDNER AAF 60H
TEHACHAPI 45 S
TAFT-KERN CO. AUX. 55H
ALLEN 31H
DORMAN
BORON
TO HANCOCK ARPT.
SANTA BARBARA 75
WHEELER RIDGE
LOS ANGELES 99
TO DAGGETT
SILVER LAKE 269
SAN FRANCISCO 73
MEDFORD 19
TO SACRAMENTO
TO EVERGREEN
TO MORGAN HILL
SALINAS
SANTA BARBARA 75
AMBER 1
AMBER 2
AMBER 8
BLUE 46
A-1
D.A.
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

[redacted]

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Love)	347(PN)(116.1)	SBRAZ-DTV,142°,5.5	(4), 116.1
[redacted]		CALIFORNIA	
NEEDLES	400(NJ)(vhf)	BMRLZ-DTV,195°,2.2	(4);116.1,122.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-DTV,132°,1.9	(4), 116.1
		NEVADA	
CRYSTAL FM	(-)	FM; 28°,30	Las Vegas
GOODSPRINGS FM	(- - -)	FM; 203°,33	Las Vegas
LAS VEGAS	206(LQ)(vhf)	SBMRAZ-DTV;34°,1.9	(3);116.1,122.1
Las Vegas AAF	278(126.18,118.7)+	C (ILS)	(4):118.7,126.18,122.5 (8-midnite)
[redacted]		UTAH	
BRYCE CANYON (Int.)	108.3(BV)(vhf)	BVAR-DPTV;35°,0.8	3117.5;122.1,116.1,129.7 cont. 4495,6210 req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-DTV;200°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-TV;20°,1.0	(4), 116.1
ST.GEORGE	108.7(GX)(vhf)	BVAR-DPV;229°,7.8	3117.5;116.1,129.7, 122.1 cont.(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM: 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)							
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LAS VEGAS AAF	110.3	335	25°	IM	MM ---(0.66)	OM -- (4.2)	
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

[redacted]S

ARIZONA

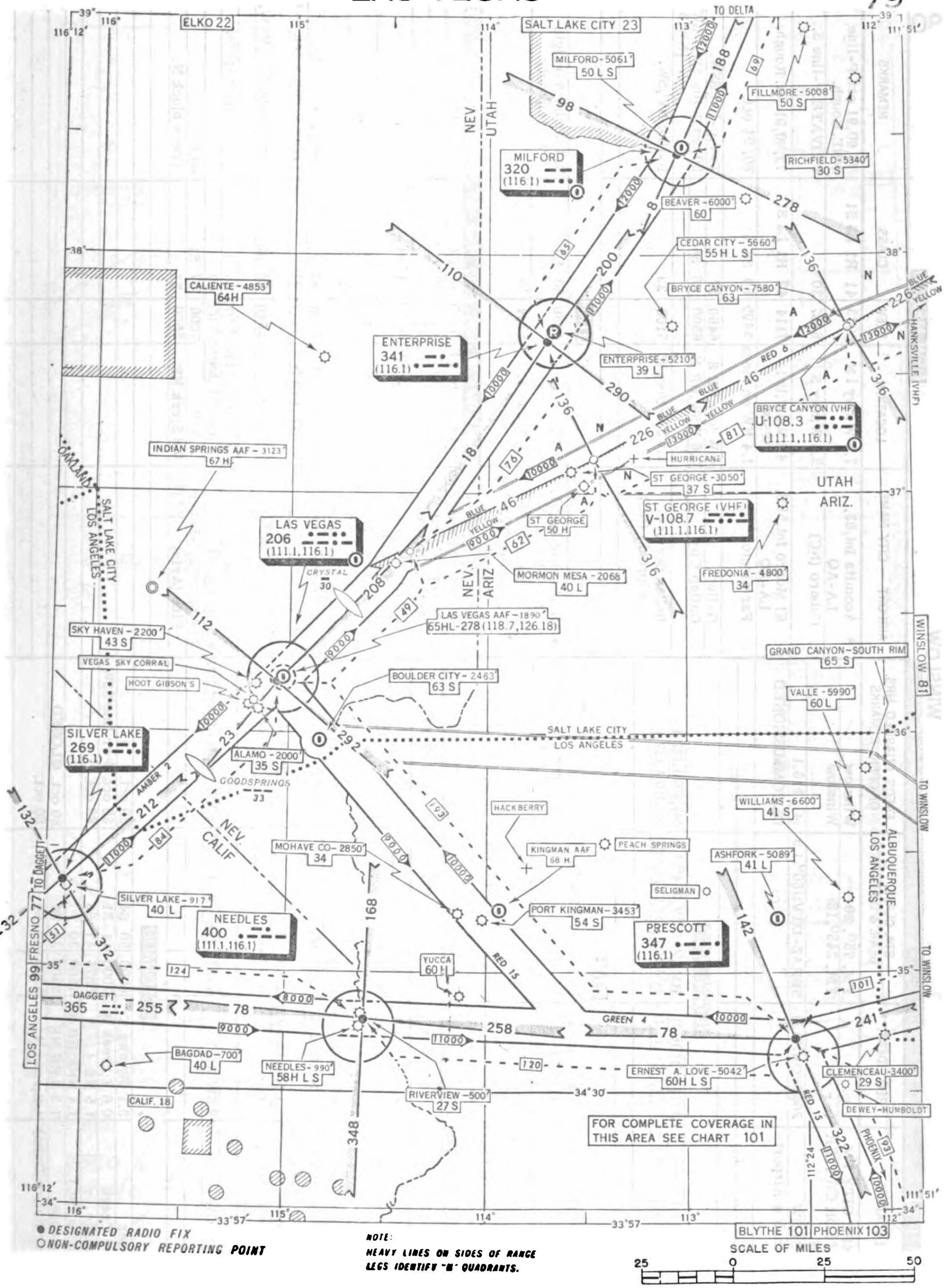
AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L2	
(P)Clemenceau (Cottonwood)	1.7 SSW,hwy NE RR bed N	3400	27 L1 S6	80 oct.Smokestack 4000' SE.Sur by mtns.
(P)Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
(P) Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14 3S;hwy 2W	6362	53 S2	80 oct.Trees SW.
(A)Kingman AAF(A)	8.5 NE,hwy NW	3446	68h	CLOSED
Mohave Co.(Kingman)	6.5 NW,hwy E	2850	37	Not maintained.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted) → *NEW OR REVISED DATA.

ARIZONA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Port Kingman (Kingman)	3 NE,RR S,E	3453	54 L3 S6	80,91 oct.All lgts prior req,S blocked.
(P) Valle	2.3 E;hwy E	5990	61 L3	Lgts prior req.Soft when wet
→ Verde Valley (NC)	1.8 SE,riv W			ABANDONED.
Williams	4.3 N,RR E	6600	39 S6	80,91 oct. Mts SW.
(P)Yucca	1.5 NE,RR W	2030	60h	
	CALIFORNIA			
* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
Needles	5.5 S,hwy E	990	58h R1 L3	
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE.
* Silver Lake Int,18, LA-SL	2.5 SSE,RR E	917	40 R1 L3	Rnwy data unverif.
	[redacted]			
Alamo (Las Vegas)	5.5 SSW,RR SW	2000	50 S4	73,80,91 oct.
→ BOULDER CITY	1.8 SW,RR W	2463	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3123	67h	TMP INACT NO FACS
(A) [Las Vegas]	7.8 NE,hwy NW	1890	65h R3 L6 S1	100 oct.ARMY TEMP INACT.
* Mormon Mesa Int, 31B,LA-SL	6 ENE Glendale	2068	40 L3	
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	See Hoot Gibson's D4C Ranch under "New Airports" - name changed.			
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas)
	[redacted]			
Beaver	3.2 SSW,hwy E	6000	63	Hills SE.
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
Cedar City	2.3 NW,hwy W	5660	55h L2 S6	80,91 oct.
* Enterprise Int,39	8 NNE, hwy 1N	5210	39 R1 L3	LA-SLSoft when wet.
Fillmore	2 WSW,hwy SE	5008	50 S2	80 oct. Unsafe lgt acft.
Milford,45,LA-SL	2.3 NNW,hwy E	5061	37 L3 S2	80 oct.
Richfield	1.8 SSW,RR E	5340	31 S6	80 oct, P-line SE,NW
St.George	1.5 SSW,riv SSE	3050	37 L3 S6	80,91 oct.Fld lgts prior req.
* St.George Int,36, → LA-DV	6 SE	2887	50h	Hills NNE
	NEW AIRPORTS			
Hurricane (Utah)	2 S	3400	25	Obsts E.Data unver.
Dewey-Humboldt(Ariz)	1 E	4265	29	
Hoot Gibson's D4C Ranch (Las Vegas,Nev)	5.5 SW;RR E	2200	24	Mtns WSW,ENE,E.
Wickenburg (Ariz)	3 NW;hwy W	2300	32	
Peach Springs (Ariz)	1.2 N;hwy SE	4825	23	P-line ESE,SW.
→ Seligman (Ariz.)	2 NW;RR S	5300	54	Tree WNW
→ Hackberry (Ariz)	6.4 NW.	3390	60h	Data unver.

LAS VEGAS



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

[redacted] RIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM	(- - -)	FM, 243°,18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-DTV;160°,1.5	(4), 116.1
→ Winslow Airport	-		DECOMMISSIONED

[redacted]

ACOMITA (Int.)	371(AK)(116.1)	BMLZ-DTV,254°,1.9	(4);116.1,122.1
EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-DTV,78°.0.1	(4);116.1,122.1

UTAH

. HANKSVILLE Int	109.1(HY)(vhf) (116.1)	BVAR-DPV;314°,2.8	(3) on req,3117.5;116.1, 129.7,122.1

S-Simpl. Range and Voice; W-Without Voice; ℄-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS [redacted] A

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1.8 NE;riv 1 S	4200	40 S1	80 oct Rough. Not maintained.
★ Deep Lake Int,54A, LA-AQ	0.5 W	6070	35 L3	Poles S. Emerg. only.
Holbrook	2.2 NNE;RR SE	5200	50 S6	80 oct.
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L5	no flood lgts
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S6	80 oct.
Saunders, Harry A. (St. Johns)	1.1 NNW,hwy S	5560	48 S2	80 oct. 25' poles NE
Window Rock(NC) (St.Michaels)	2 ESE	6800	52	NE appch hazardous
(P) WINSLOW	2 SW;RR N	4937	75h R1 L5 S4	80,91 oct. No flood lgts

COLORADO

(P) Cortez	3.1 SW;hwy E	6000	50 S4	80 oct.
Dove Creek	0.6 E;creek W	7000	41 S1	80 oct. Pwr line SSW
(P) Durango	1.5 NE	6875	47 S6	80 oct.
Mancos (NC)	1.4 NNE;RR S	7500	30	
→ Montrose	1.3 S,RR NE	5800	33 S4	80 oct. CLOSED.
(P) Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.

NEW MEXICO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy 1 N	6573	41 R1 L3 S1	73,80,91 oct. P-line NNE. Rough.
Cubero (NC)	2.4 W;hwy S	6182	30	PRIVATE. P-line S.
El Morro Int,59B, LA-AQ	4.5 WSW;1k 1 WSW	7114	42 R1 L3 S1	73,80,91 oct. Rough.
Farmington	1.4 NW on mesa	5495	80 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Twr, p-line SSW.
Gallup City	2.6 WSW;RR N	6500	48 S6	80 oct P-line SW,WSW. NW,SE.
Indian Service (Shiprock) (NC)	1.6 SSW;hwy W	5100	29	P-line NW,SW.

UTAH

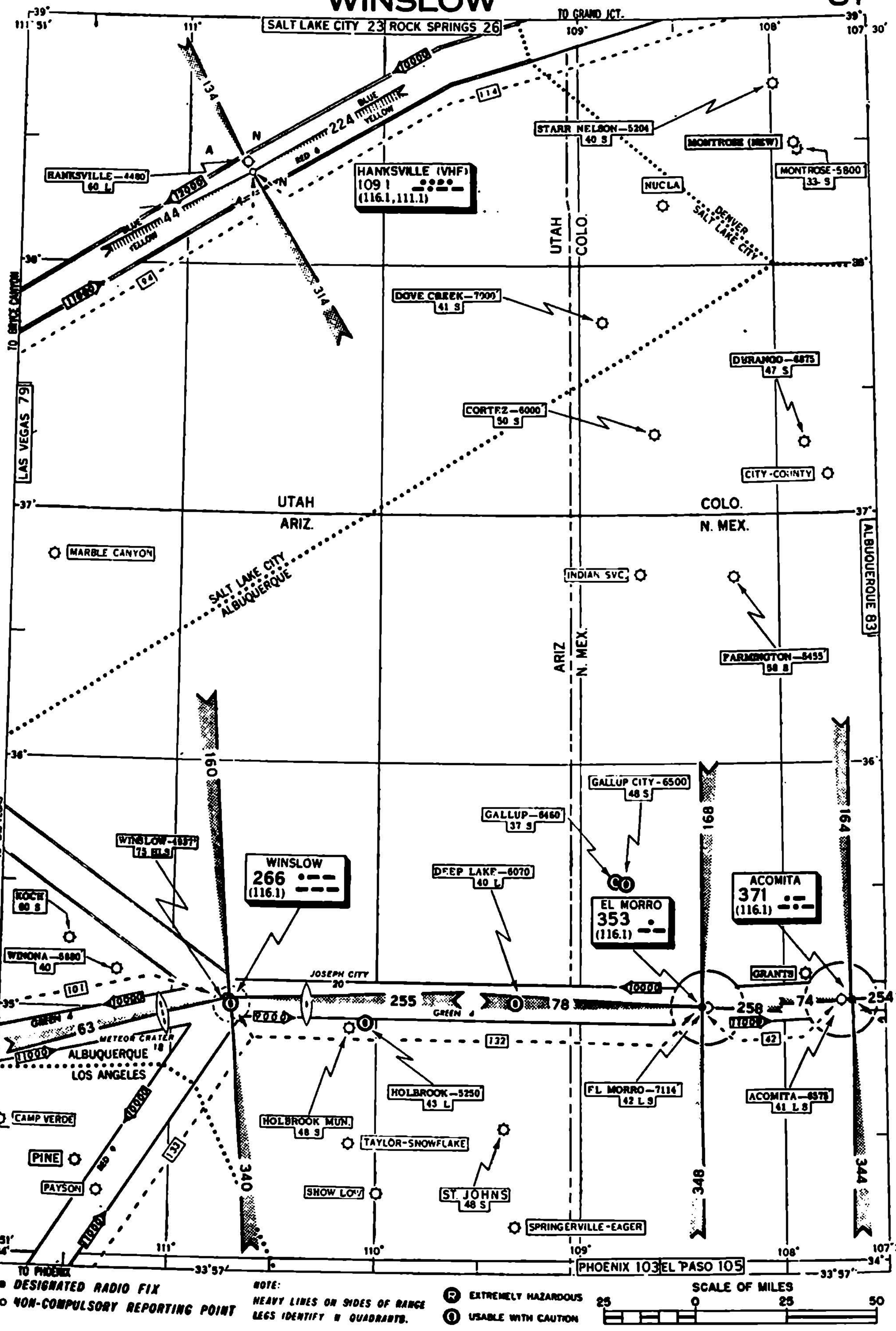
★ Hanksville Int,54, LA-DV	4 NE	4480	60 L3	Ngt landings on lgtd E/W strip only.
Monument Valley (Goulding Trading Post) (NC)	0.5 N hwy E	5284	30	

NEW AIRPORTS

Montrose (new)(Colo)	1.5 NNW;hwy S	5780	58 S2	80,91 oct.
Nucla, (Colo.)	2.3 SSW;riv S	5910	36	
Aztec, (N.M.) (NC)	2.2 NW on mesa	5700	28	Emerg only.
City Co. (Durango, Colo.)	10.6 SSE;riv NW	6660	54 S1	91 oct.
Show Low,(Ariz.)	2 ENE;hwy S	6400	45 S4	80,91 oct.
Marble Canyon (Cameron,Ariz)	66 NNW;riv E	3580	37 S4	80 oct. NE appch hazardous.
Camp Verde (Ariz)	1.6 SSE;rd N	3100	42	Emerg. use only.
Payson (Ariz)	2 NNW;cyn N	5077	31	Trees E. Soft when wet.
Taylor-Snowflake (Taylor,Ariz)	2 W;rd N	5640	26 S2	80 oct. Poles SSE,NNW.
Grants Landing Strip (N.M.)	2.3 W;RR 1 NE	6600	28	Loose sand in spots.
Winona (Ariz)	8.9 ESE;hwy N	5880	40	
Springerville-Eager	1.5 W	7000	37 S1	80 oct.
Pine (Ariz) (Ariz)	0.8 S;crk NE	5500	25	Trees block N.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC) Not charted. → NEW OR REVISED DATA.

WINSLOW


SALT LAKE CITY 23
ROCK SPRINGS 26
TO GRAND JCT.
39°
111° 51'
111°
109°
108°
107° 30'
134
314
224
BLUE
YELLOW
RED
114
A
N
HANKSVILLE—4480
60 L
12000
HANKSVILLE (VHF)
109 I
(116.1, 111.1)
STARR NELSON—5204
40 S
MONTROSE (NEW)
MONTROSE-5800
33 S
NUCLA
DENVER
SALT LAKE CITY
UTAH
COLO.
44
94
11000
38°
DOVE CREEK—7000'
41 S
DURANGO—6875
47 S
CORTEZ—6000'
50 S
CITY-COUNTY
LAS VEGAS 79
37°
UTAH
ARIZ.
COLO.
N. MEX.
ALBUQUERQUE 83
MARBLE CANYON
SALT LAKE CITY
ALBUQUERQUE
INDIAN SVC.
ARIZ
N. MEX.
FARMINGTON—5455
58 S
36°
160
168
164
GALLUP CITY-6500
48 S
GALLUP—6460
37 S
TO LAS VEGAS
WINSLOW—4837'
75 BLS
WINSLOW
266
(116.1)
DEEP LAKE—6070
40 L
EL MORRO
353
(116.1)
ACOMITA
371
(116.1)
KOCH
80 S
WINONA—5880
40
JOSEPH CITY
20
GRANTS
101
35°
GREEN
255
78
258
74
254
10000
9000
11000
63
METEOR CRATER
18
ALBUQUERQUE
LOS ANGELES
132
42
TO PRESCOTT
HOLBROOK—5250
43 L
FL MORRO—7114
42 L S
ACOMITA—6975
41 L S
CAMP VERDE
HOLBROOK MUN.
48 S
TAYLOR-SNOWFLAKE
PINE
PAYSON
SHOW LOW
ST. JOHNS
48 S
133
340
348
344
SPRINGERVILLE-EAGER
111° 51'
34°
111°
110°
109°
108°
107° 30'
TO PHOENIX
33° 57'
PHOENIX 103
EL PASO 105
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY II QUADRANTS.
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS, FREQS. GUARDED, HRS. OF OPERATION
★ Adrian Int,92B,LA-AQ	4.2 SSE;RR N	4136	37 L3	(Texas)
Alameda (Albuquerque)	7.4 N;RR E	5400	37	(N.M.)
Alamosa (Colo)	2 S;hwy W	7550	58 L3 S4	80 oct.Fld lgts prior
ALBUQUERQUE Range (Kirtland)(N.M.)	230(AB)(vhf)	354°,3.1	SBRAZ-DTV	(3);116.1.122.1 req.
Albuquerque (N.M)	6.3 ESE;hwy N	5429	62	RFC surplus acft fld.
AMARILLO Range (Tex) (English)	251(AQ)(vhf)	77°,2.0	SBRAZ-DTV	(3); 116.1, 122.1
Amarillo (Tex)	6 ENE; hwy S	3610	52 S6	80,91 oct.P-line sur fld.
★ Anton Chico Int,78A,LA-AQ	4.5 SE;hwy E	5281	43 L3	(N.M)
Art Goebel (Belen,N.M.)	3.2 W;RR E	5100	39 S1	80,91 oct.
Belen Air Strip (N.M.)	2.7 N; RR E	5000	30 S1	73 oct.
Bobcat (Dimmit,Tex)	1.5 E;RR W	3850	33 S2	73 oct.
Boise City (Okla)	3 N;hwy W	4200	33	
Clayton (N.M.)	1.5 E; RR N	5006	42 S4	73 oct. P-line N,W
Claude (Tex)	1.2 WNW;RR N	3410	32 S1	80 oct.P-line N,SE,S,W,NW.
Clover (Hereford, Tex)	2.2 NNE;hwy S	3800	28 S2	73 oct.P-line N,E,SE.
CLOVIS Army Range (N.M.)	203 (DCV)	34°,6.2	MRAZ	(3)
CLOVIS H Fac. (N.M.)				DECOMMISSIONED
CLOVIS AAF Tower (N.M.)	396 (126.18)		CA	(3);126.18(daylgt hrs.)
(A) Clovis AAF (N.M.)(A)	6.5 W;RR N	4300	100h	TMP INACT.NO FACS.
Clovis (N.M.)	0.8 NW;RR S	4247	26	
Cochran Co.(Morton,Tex)	1.5 E;rd W	3750	30	P-line E,S.
Costilla Co.(Mesita,Colo)	4 E;RR W	7750	75	
Creede (Colo)	2 SSE;hwy NW	8800	50 S2	No fuel.Rough off strips
(P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	60h L2	(N.M.) Data unver
★ Cuero Int,81B,LA-AQ(N.M)	5 N	4734	40 L3	Poles W,lgtd.
Cutter-Carr #2 (Albuquerque, N.M.)	3.6 NE;RR W	5120	46	P-line ENE
➝ Dalhart (Tex)	6.2 SSE;RR E	--		ABANDONED
Dalhart Mun. (Tex)	3.8 SSW;RR N	3989	49h	
(A) Dalhart #1 (Tex) (A)	9.7 WSW;RR E	4096	81h	CLOSED-NOT MAINT.
(A) Dalhart #2 (Tex) (A)	5.5 NE;hwy NW	3974	80h	CLOSED-NOT MAINT
(P) Dumas (Tex)	0.7 S;hwy W	3649	30 L S2	73 oct.Poles N.Flood
Eagle Nest Landing Strip (N.M.)	1 NE	8450	40	11,000'mts NE. lgts. Use in emerg.
ENGLISH Tower (Tex)	278 (118.5, 126.18)		AC (ILS)	(4); 126.18,118.5, 122.5
(A) English (Amarillo,Tex) ➝	9 ENE;RR N	3604	50h L6 S6	80, 91 oct.;100 oct. Army.P-line N,NW.
(P) Ft. Sumner (N.M.)	1.5 NE;RR S	4166	60h S6	80 oct
Ft. Sumner #5 (N.M.)	16 ENE	4830	60h	
Graham-Bell (Albuqu'que)	4.5 ENE	5400	27 S6	73,91 oct. (N.M.)
Griffin (Walsh, Colo)	0.7 N;RR S	3950	34 S6	80 oct.Poles S,N.
Gruver (Tex)	0.7 WNW;RR E	3200	40 S1	80 oct.P-line W,E,SE,
(P) Guymon (new)(Okla)	3 SW;hwy N	3140	34 S6	80 oct. P-line N, SW. E
Guymon (Okla)	0.7 S;RR W	3130	21	CLOSED
(P) Hale Co.(Plainview,Tex)	1.6 S;hwy E	3370	37 S6	80, 91 oct.
Harnagel (Borger,Tex)	2.5 SSW;RR N	3140	25 S2	80 oct.Use strips.RR E
Hillcrest (Clovis, N.M.)	2.1 E;RR S	4244	36 S4	73 oct.No sto.P-line S.
Holbrook's (Cuervo,N.M.)	0.8 NE;RR S	4810	19	300' mtn SE.P-line SSE.
Ira Benger (Friona,Tex)	1.8 NE;RR S	4000	28 S2	73 oct.
NEW FACILITIES				
Langhorn(Morairty,N.M)	8.3 ENE;hwy N	6150	33	P-line N
Estancia (N.M)	1.5 NNW;RR 0.5 E	6100	36	Ctn-cattle on fld.P-line NE,E.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS, FREQS. GUARDED, HRS. OF OPERATION
Johnson (Kans)	0.5 N;hwy W	3330	28 S6	80 oct.P-line N,NW,NE,
Kerrick (Tex)	1.5 N;RR SW	3850	19 S1	80 oct.P-line SW. S.
KIRTLAND Tower (N.M.)	278 (126.18, 118.7)+		AC (ILS)	(4); 126.18, 118.7, 122.5
(A) [Kirtland](Albuquerque, N.M.) (A)	3.8 SSE;rd N	5330	102h L6 S6	87,91,100 oct.
(A) La Junta AAF (Colo) (A)	4.4 NNE;rd W	4262	80h	CLOSED
La Junta Bridges (Colo)	See Bridges Arpt.under "New Facilities"-name changed			
(P) Lamar,10,PU-WD (Colo)	3.7 WSW;RR N	3673	42 L2 S4	80 oct.canal N
Las Animas (Colo)	1.4 S;hwy 1 N	3900	31 S4	80 oct. P-line W,NW.-
LAS VEGAS Range (N.M.)	359(VH)(116.1)	8°, 3.2	SBMRAZ-DTV	(4);116.1,122.1
[Las Vegas] (N.M.)	6 NE;RR 2 W	6857	64h L5 S6	80, 91 oct.Flood lgts on req Use strips only.
Maxwell (N.M.)	1.7 N;hwy E	6000	36	
Monte Vista (Colo)	3.5 W;RR N	7710	55 S4	80 oct.
Mountainair (N.M.)	1.1 NNE;RR S	6600	28	P-line N Horses on fld.
Muleshoe (Tex)	1 ENE;hwy N	3800	42 S1	73 oct.
Municipal (Spearman,Tex)	0.8 NW;RR SE	3104	30	P-line SW.
OTTO Range (N.M.)	290(OT)(116.1)	74°,0.2	BMRLZ-DTV	(4);116.1,122.1
★ Otto Int,74,LA-AQ (N.M.)	5.8 NE Moriarty	6226	41 L3 S1	Ltd 91 oct.
Puckett's com.(Lakin,Kans)	3.5 S;riv N,NW	3050	26 S1	Ltd 80 oct.Trees N.
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	P-line NE,E. (Colo)
Romer (Holly, Colo)	1.5 SSE;riv N	3360	30 S2	Ltd 80 oct.P-line SW,NW,W.
Roy (N.M.)	1.5 N;RR W	5900	26	PRIVATE. Post NE.
SANTA FE H Fac. (N.M.)	206(SJ)(116.1)		MHTV	(4);116.1,122.1
➝ [Santa Fe] (new)(N.M.)	9.8 WSW ;hwy E;	6308	63h L5 S1	91 oct.airlines.FEE. Rnwy lgts on req.
➝ Santa Fe (old)(N.M.)	6.3 SW;hwy E	6550	45h S6	80 oct.P-line NE,SE.
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct.No sto. (N.M.)
Springfield,Com.(Colo)	3.8 N;hwy W	4350	34	Poles NW,W,SW.
Stinnett (Tex)	0.6 NNE;RR E		30	Data unver
Syracuse (Kans)	1 N;riv S	3320	36 S2	80 oct.P-line S,SE.
★ Syracuse Int,16,PU-WD	3.7 NNE;hwy W	3410	46 L3	(Kans.)
Taos (N.M.)	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW
Texhoma (Tex)	1 SSW;RR N	3460	30 S2	73,91 oct.P-line N.
Tradewind (Amarillo,Tex)	2.5 S;RR NW	3636	32 S6	80,91 oct, P-line SW.
TRINIDAD Range (Colo)	329(TD)(vhf)	170°,3.0	SBMRAZ-DTV	(4);116.1,122.1
Trinidad (Colo)	10.5 ENE	5756	34 L1 S4	80 oct.Use rnwys only.
TUCUMCARI Range (N.M.)	212(TC)(116.1)	76°,2.2	SBMRAZ-DTV	(4);116.1,122.1 Hwy E.
Tucumcari (N.M.)	7 E;hwy,RR S	4064	51h L5 S6	80,91,100 oct.
(P) Tulia (Tex)	1.5 NNW;RR W	3500	32 S1	80 oct.P-line NE,E,SE
Wagon Mound (N.M.)	0.6 WNW;RR E	6500	21	Fence N;mtns SE,W.
West Mesa (Albuquerque)	3.8 W;hwy S	5100	60 S6	73,80 oct. (N.M.)
West Texas State (Canyon)	3 N;hwy E	3686	42 S6	73 oct.20'poles SE.(Tex)

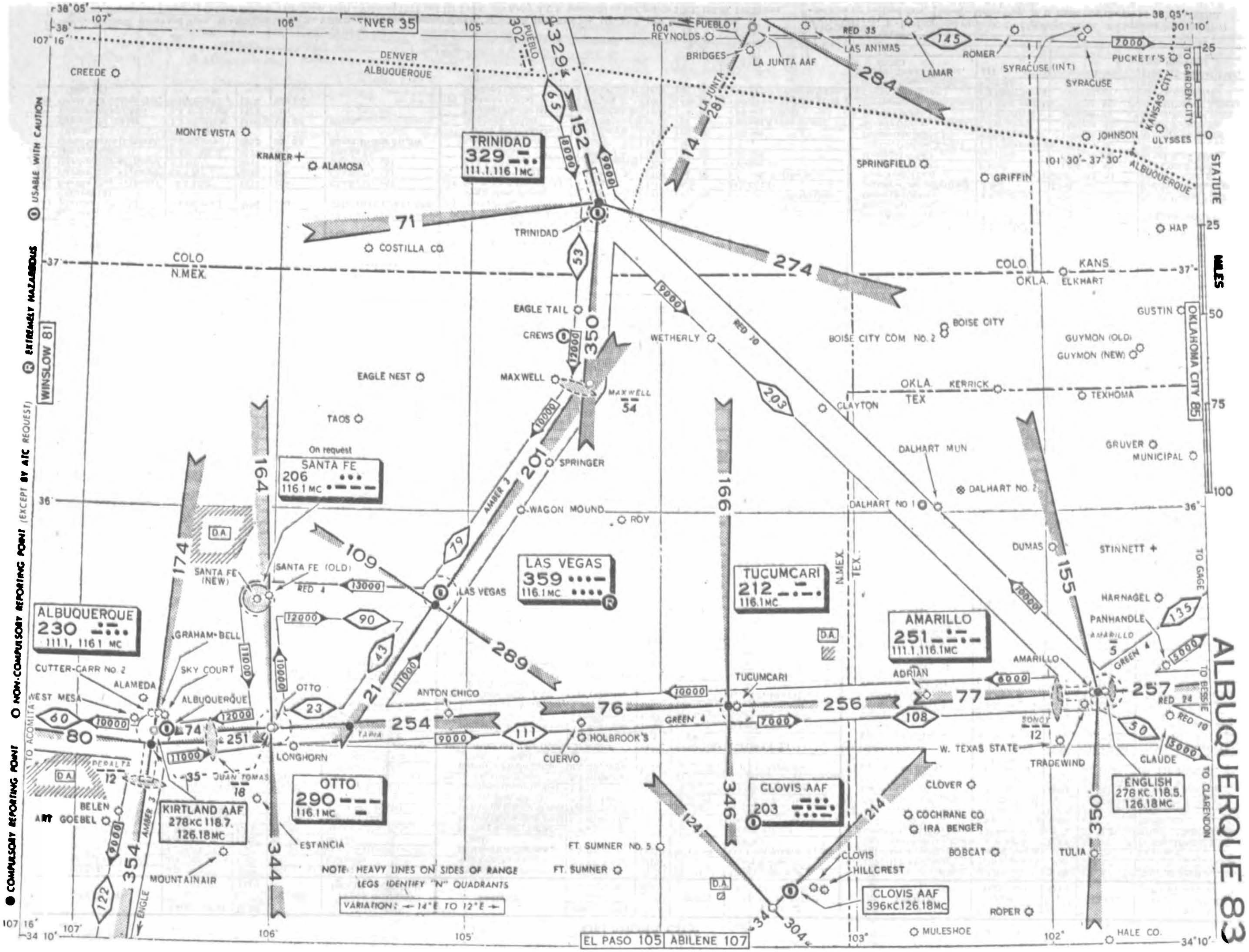
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
ENGLISH	110.3	335	209°	IM-	MM- ·—·— (0.62) OM- ——·· (5.92)
				MMK-	OMK-293 ——··
KIRTLAND	110.3	335	349°	IM-	MM- ·—·— (0.66) OM- ——(4.32)
				MMK-	OMK-248 ——·—·

NEW FACILITIES				
Boise City Com.#2(Okla.)	1 N;City S	4200	26 S1	80 oct.
Gustin Fld.(Hooker,Okla.)	3 SW;RR,hwy E	2985	26 S2	80 oct.P-line S.
Panhandle (Tex.)	1.6 SSW;RR N	3450	28 S2	80 oct.125' twr W.
Roper(Hart,Tex.)	5.9 S;lk NE	3600	26 S2	80 oct.P-line N,NW.
➝ Ulysses (Kansas)	1.3 NNW;hwy E	3050	26 S1	80 oct.Poles S.
➝ Kramer Fld (Alamosa,Colo.)	2.5 WNW		52 S6	80 oct.P-lines NE.Data unver.
Elkhart (Kans)	0.8 ESE;RR 0.5 NW	3500	32 S2	80 oct.
Hap(Hugoton,Kans)	1.5 SW;hwy N	3107	26 S2	80 oct.Poles N,NE.Use stps.
Bridges (LaJunta,Colo)	3.3 SSW;hwy,RR W	4250	26 S2	80 oct. P-line N

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
➝ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


DENVER 35
DENVER ALBUQUERQUE
PUEBLO 302
PUEBLO
REYNOLDS
BRIDGES
LA JUNTA AAF
LA JUNTA
RED 35
LAS ANIMAS
145
LAMAR
ROMER
SYRACUSE (INT)
SYRACUSE
7000
PUCKETT'S
TO GARDEN CITY
KANSAS CITY
JOHNSON
ULYSSES
101° 30'- 37° 30'
ALBUQUERQUE
SPRINGFIELD
GRIFFIN
HAP
STATUTE MILES
CREEDE
MONTE VISTA
KRAMER
ALAMOSA
TRINIDAD
329
111.1.116 MC
COSTILLA CO.
COLO
N.MEX.
COLO
OKLA.
KANS
ELKHART
EAGLE TAIL
CREWS
MAXWELL
EAGLE NEST
TAOS
WETHERLY
RED 10
BOISE CITY
BOISE CITY COM NO. 2
GUYMON (OLD)
GUYMON (NEW)
OKLA
TEX
KERRICK
TEXHOMA
CLAYTON
OKLAHOMA CITY 65
GUSTIN
GRUVER
MUNICIPAL
DALHART MUN
DALHART NO. 2
DALHART NO. 1
SPRINGER
MAXWELL
54
On request
SANTA FE
206
116.1 MC
WAGON MOUND
ROY
AMBER 3
DUMAS
STINNETT
TO GAGE
HARNAGEL
PANHANDLE
AMARILLO
5
GREEN 4
TO BESSIE
SANTA FE (OLD)
SANTA FE (NEW)
RED 4
LAS VEGAS
359
116.1 MC
TUCUMCARI
212
116.1 MC
N.MEX.
TEX.
AMARILLO
251
111.1.116.1 MC
ADRIAN
AMARILLO
ALBUQUERQUE
230
1111, 1161 MC
GRAHAM-BELL
SKY COURT
CUTTER-CARR NO. 2
ALAMEDA
WEST MESA
ALBUQUERQUE
OTTO
ANTON CHICO
TUCUMCARI
GREEN 4
SONDY
RED 24
RED 19
TO ACOMITA
LONGHORN
CUERVO
HOLBROOK'S
W. TEXAS STATE
TRADEWIND
CLAUDE
TO CLARENDON
PERALTA
BELEN
GOEBEL
JUAN TOMAS
KIRTLAND AAF
278 KC 118.7
126.18 MC
OTTO
290
116.1 MC
ESTANCIA
MOUNTAINAIR
ENGLE
FT. SUMNER NO. 5
FT. SUMNER
CLOVIS AAF
203
CLOVIS AAF
396 KC 126.18 MC
CLOVIS
HILLCREST
CLOVER
COCHRANE CO.
IRA BENGER
BOBCAT
TULIA
ROPER
MULESHOE
HALE CO.
ENGLISH
278 KC 118.5
126.18 MC
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 14°E TO 12°E
EL PASO 105
ABILENE 107
ALBUQUERQUE 83
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
(EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT

OKLAHOMA CITY

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Ada (Okla)	2 N; hwy W.	1008	50h	80 oct.
(A) Altus AAF (Okla) (A)	3.4 ENE;hwy S	1368	60h	CLOSED.
Altus Mun. (Okla)	4.2 N;RR W	[illegible]	31 S6	80 oct. P-line SW, [illegible]
Alva (Okla)	1.4 S;RR N	1320	26 S6	80 oct.
Anadarko (Okla)	1.5 SW;RR E	1260	26 S3	80 oct. P-line N, [illegible]
ANTHONY H Fac. (Okla)	382(AY)(116.1)		MHTV	(4);116.1,122.1
(P) Anthony,24,AQ-KC	3 WNW;hwy S	1339	48 L3 S6	73,91 oct. (Okla)
Antlers (Okla)	2.8 S;RR E	640	S2	80 oct.
ARDMORE H Fac. (Okla)	400(AT)(116.1)		MHTV	(4); 116.1, 122.1
Ardmore (Okla)	11.2 NNE;riv E	758	73h	CAUTION: Intensive airline training
Ardmore,10,FV-WD	9.2 N;hwy E	875	40h L3 S6	80,91 oct. Poles E
★ Arlie Int,9,AQ-FV(Tex)	3.8 SW;hwy S	1770	42 L3	(Okla)
Ashland (Kans)	1 E;RR S	1940	32 S2	80 oct. Poles S,E
Atoka (Okla)	1.8 NW;RR S	540	22 S2	73 oct. P-line S.
Bartlesville (Okla)	4 E;rd S	720	34 S6	80 oct.
Bennett (Elk City, Okla)	2 SSE;RR NE	1800	30 S2	80 oct. P-line W. Lgt ac-
Blackwell (Okla)	1.7 W;RR N	1000	32 L4 S6	80 oct. P-line ft only
Boren (Wetumka, Okla)	1.5 NW;RR SE	780	20	SW, NW.
Brown (Tulsa, Okla)	6 SE	735	31 L S6	80,91 oct. Port rnwy lgts. Pole NW.
Buffalo (Okla)	0.6 NW;crk N	1965	14 S1	73 oct. wet.
Caddo Fly Svc. (Ft. Cobb)	6 SE;hwy S	1250	21 S2	80 oct. (Okla) Ctn when
Cameron College	2.5 W;RR N	1108	22 S6	80 oct. (Lawton, Okla)
Cassoday Int,34,AQ-KC (Kans)	1 SSE;hwy W	1480	32 L3	Twrs S.
CHANUTE Range (Kans)	284(CZ)(vhf)	304°, 2.5	SBRAZ-DTV	(3);116.1,122.1
Chanute (Kans)	2 WSW;lk S	980	22h L4 S6	80,91 oct.
CLARENDON Range (Tex)	233 (CP)	99°, 2	MRLW	
(P) Clarendon,4,AQ-FV	3.8 W;RR NE	2869	40 L3 S6	80,91 oct. (Tex)
Childress (Tex)	3.2 ESE;RR NE	1930	30 S1	80 oct. P-line sur fld
(A) Childress AAF (Tex)(A)	5.2 W;RR N	1952	60h	CLOSED.
Clinton (Okla)	17 SW;hwy E	1932	65h	
(P) Coffeyville, Mun. #1	3.5 NE	743	59h S2	80 oct. (Kans)
Coffeyville, Mun. #2	2 NW;riv E	880	26h L3 S6	80 oct. Poles NW; hi-line SW.
Commercial (Okmulgee, Okla)	3.4 E;RR W	682	26 S2	80 oct. Poles SW
Commercial (Tulsa)	5.4 SSE;hwy N	700	29 S6	73,80,91 oct. Trees SW
Commercial (Quanah)	1.8 S;hwy E,N	1568	21 S2	Ltd 80 oct. (Tex)(Okla)
Community (Ada, Okla)	6.8 WNW	1000	24 S6	80 oct. hwy NE.
Cordell (Okla)	1.3 NW;RR E	1550	20 S2	80 oct.
(P) Cushing (Okla)	2 S;RR E	913	52h L5 S6	73,80 oct.
* Dill Int,14,AQ-LS (Okla)	0.5 NW;hwy N	1876	26 L3	P-line N,E.
DODGE CITY H Fac (Kans)	362(OD)(116.1)		MHTV	(4);116.1,122.1
Dodge City (Kans)	3.5 ENE;RR SE	2594	47h L3 S6	80,91 oct. Fld lgts prior
(A) Dodge City AAF (Kans)	6 NW;RR S	2621	65h	CLOSED. (A) req.
(A) Dodge City #4 (Kans)(A)	17.4 NNE	2465	60h	CLOSED.
Dukes (Carnegie, Okla)	1 NNW;riv S	1250	24 S2	80 oct. P-line S.
Edgewood (Coffeyville, Kans)	2.5 WNW;RR E	745	25 S2	80 oct. N,E,S,W blkd.
(A) Enid AAF (Okla)(A)	4 SSW;RR E	1290	56h	TMP INACT. NO FACS
Eureka (Kans)	2.7 E;hwy S	1100	26 S1	80 oct. Hi-line S.
→ Ferguson (Coffeyville)	5 E;RR NW			(Kans) ABANDONED
(P) Frederick (Okla)	2.5 SSE;RR N	1233	60h L6 S6	80,91 oct. No flood lgts.
Fredonia Mun. (Kans)	3 NNE;RR E	880	26 S1	80 oct.
GAGE Range (Okla)	266(VM)(vhf)	224°, 2.1	SBRAZ-DTV	(4);116.1,122.1
(P) Gage (Okla)	1.8 SW;riv N	2223	55h L5	
GARDEN CITY Range (Mun.) (Kans)	257(GK)(vhf)	168°, 3.7	SBRAZ-DTV	(4);116.1,122.1
Garden City Mun. (Kans)	3.3 E;riv S	2841	45 L3 S6	73,80 oct. Fld lgts on req
(A) Garden City AAF (Kans) (A)	9 ESE;riv S	2894	65h	TMP INACT. NO FACS.
(A) Garden City #1 (Kans)	19.5 ESE	2814	30h	CLOSED. (A)
(A) Garden City #2 (Kans)	13.4 E	2856	30h	CLOSED. (A)
(A) Garden City #3 (Kans)	6 ENE	2917	30h	CLOSED. (A)
Geary (Okla)	1.4 E;RR N	1523	24	PRIVATE
Glenn Martin (Liberal) Kans)	2 ESE;hwy SW	2853	35 S2	80 oct. P-line SE,SW
Grandfield (Okla)	1.2 SE;RR N	1100	13 S2	80 oct.
→ Grandfield #3 (Okla)	3.1 W;RR NE	1128	45h	
(A) Great Salt Plains (Jet, Okla) (A)	6 NNE;dam 1 N	1200	55h L5	
Greensburg (Kans)	1 ESE;RR N	2230	26 S1	80 oct. Poles N
Haddock (Erick, Okla)	1.4 SW;RR N	2017	24 S2	80 oct. P-line N
Halliburton (Duncan, Okla)	1 S;RR E	1125	35 L3 S4	80,91 oct. No flood lgts. or obn.
Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S6	80 oct. (Okla)
Hatbox (Muskogee, Okla)	2.7 W;fork RRs	615	[illegible]	80 oct.
Hemphill Co. (Canadian)	1.5 SW;riv N	2300	27 S2	Ltd 73 oct. (Tex)
(P) Hobart Mun. (Okla)	1 S;hwy	1583	54h [illegible]	oct. Port lgts on req.
Hohmann (Lone Wolfe)	1 ESE	1576	26 S2	80 oct. (Okla)
→ Holdenville (Okla)	1.2 WNW;hwy S	864	33	
Hunter's Flight Strip (Hobart, Okla)	0.5 SW;hwy adj	1530	22	Lgts unverified
HUTCHINSON Range (Kans)	227(HN) (116.1)	350°, 3.1	SBMRLZ-DTV	(4):116.1,122.1
Hutchinson, com. (Kans)	5.5 W;hwy N	1605	20 S	80 oct. P-lines N,NE.
(P) Hutchinson, mun.	4 ENE;hwy S	1542	70h L5 S6	80,91 oct (Kans)
(N) Hutchinson NAS (Kans)	8.9 S;RR NNE	1582	70h	CLOSED (N)
INDEPENDENCE AAF Tower (Kans)	272 (126.18)		CA	(3); 126.18 (7-19)
(A) Independence AAF (A)	5.5 SW;hwy W	820	55h S1	91,100 oct. (Kans)
Independence (Kans)	5 N;hwy W	847	22 S4	80,91 oct. P-line W.
(A) Independence #3 (A)	24 ESE	920	42h	CLOSED. (Kans)
Independence #9 (Kans)	12.5 NE	870	40h	
(P) Iola (Kans)	3.2 SSE	1020	48 S6	80,91 oct. P-line NW, N.
Jensen (So. Coffeyville)	0.5 W;RR S,E	735	40 S6	80 oct. P-line SE (Okla)
Jimmie Ray (Cherokee)	1.5 E;RR SW	1200	26 S1	80 oct. Trees S. (Okla)
Kell-Air (Thomas, Okla)	1.2 SW;RR N	1730	24 S2	80 oct.
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIV
Kingman (Kans)	1.5 NNW	1600	26 S1	73 oct. Trees S,SW RR
Kiowa Flying Service (Kiowa, Kans)	2.5 WNW;RR S	1375	19 S1	80 oct. P-line SW NNW,SW.
Kittenbrink (Jefferson)	2 E;RR W	1100	23 S2	80 oct. Trees N. (Okla)
Lawton (Okla)	1.5 S;RR E	1145	26 L4 S6	80 oct. Fld lgts prior req.
(A) Liberal AAF (Kans)(A)	1.5 WNW	2888	70h	CLOSED.
Long (Pryor, Okla)	2 NNE;RR W	650	20 S6	80 oct. P-line SW.
Meade (Kans)	3 ESE;hwy N	2532	26 S2	80 oct. Use strips. P-line
McAlester (Okla)	2 SSE;RR W	750	25 S4	80 oct. N
Mauks (Blackwell, Okla)	2.7 S;hwy W	987	26 S4	80 oct. P-line E
Medicine Lodge (Kans)	2.1 SE;RR S	1520	33 S2	80 oct.
(A) Muskogee AAF (Okla)	See Davis under "New Facilities" - name changed.			
North (Enid, Okla)	3.8 N;RR E	1265	26 S6	80, 91 oct. Shrubs N,N
Nowata (Okla)	1.6 NNE;RR W	600	26 S6	80 oct.
OKLAHOMA CITY Range (Okla)	350 (OL) (116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Okmulgee (Okla)	3 NNE;hwy W	715	43h L5 S6	80 oct. Ctc lgts prior
Olustee (Altus, Okla)	10 SE;riv E	1338	45h	CLOSED req.
Pampa (Tex)	1.2 NNE;RR S	3234	50 L3 S6	80,91 oct. SE blkd. P-line
(A) Pampa AAF (Tex)(A)	12.3 E	3124	65h	CLOSED. E,S,W
* Pampa Int,4,AQ-KC (Tex)	1.9 NNE;RR S	3197	50 L3	P-line E,S,W. Twr SW
Parsons (Kans)	2 NW;RR S	936	22 S2	80 oct. Use strips only.
Pawhuska (Okla)	3.8 W;RR E	1000	27 L S1	80 oct. Port rnwy lgts. P-line NE.
(A) Perry (Okla) (A)	6.6 N;hwy W	1008	52h	CLOSED.
(P) Perryton (Tex)	3 ENE;RR NW	2942	90 S4	80 oct. No sto. Allway fld. P-line SE, windmill.
PHILLIPS Tower (Okla)	278		CI	3105 (on req) SW
Phillips (Bartlesville)	1.7 WNW	750	35h L4 S2	80,91 oct. (Okla) Hwy S.
Plains (Kans)	1.3 NNE;RR S	2772	30 S2	80 oct. P-line NE, SE, S.
PONCA CITY H Fac (Okla)	368(PC)(116.1)		MHTV	(4):116.1,122.1
(P) Ponca City (Okla)	2.3 NNW;RR S, E	998	36h L4 S6	73,87 oct. Antenna bet twr & hangar, lgtd.
Ponder (Mangum, Okla)	1.6 N;hwy S	1585	29 L S2	90 oct. Bndry lgts prior
POST Tower (Ft. Sill, Okla)	201 (126.18)		CA	(3); 126.18 (8-18) req.
(A) Post (Ft. Sill, Okla)(A)	3 N	1170	50h L5 S4	Ltd 100 oct.
Pratt Mun. (Kans)	2.5 ENE;lk E	1916	25 S6	80 oct. Use strips only.
(A) Pratt AAF (Kans) (A)	4 N;hwy E	1960	80h	CLOSED.
Roosevelt (Okla)	0.5 NW;rd N	1400	24 S2	73 oct. P-line N.
Sapulpa (Okla)	1.5 ENE;RR W	730	26	P-line S.
Satanta (Kans)	1 N;RR S	3050	26 S2	80 oct.
Sayre Mun. (Okla)	8.5 SSW	1937	50h	
Archer (Sayre, Okla.)	2.3 N;hwy W	1900	26 S6	80 oct.
Seminole (Okla)	3.4 NNW;hwy E	1012	35 S6	80 oct. Trees W,NW.
Sentinel Memorial	0.8 SSW;RR W	1600	28 S	80 oct. (Okla)
(P) Shawnee (Okla)	2 NW;RR E	1080	42h L5 S6	80,91 oct. Fld lgts prior
Stafford (Kans)	2.6 WSW;RR N	1889	26 S6	80,91 oct. Poles N,S req.
Stark (Colwater, Kans)	0.7 NE,RR SE	2100	29 S	80 oct. Poles N,S,E,SE
(P) Stillwater #1 (Okla)	3.2 NNW;hwy E	985	50h L3	NE
Stillwater #2 (Okla)	5.6 SSE;hwy W	980	29 S6	73,80 oct.
Strickland (Hazelton, Kans)	2.6 E;RR S	1310	26 S6	73,80 oct. Poles E,N
* Stroud Int, 8A, AQ-LS	3 N;hwy W	883	27 L3	P-line W lgtd (Okla)
Sulphur (Okla.)	1.5 NW;hwy S,E	1060	28	Trees NW.
TINKER Army Rng (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
(A) Tinker (Okla. City, Okla)	8.5 SE,RR NE	1272	78h L5 S6	73,100 oct. JP-1 (A)
Tonkawa (Okla)	1.6 S;riv NW	1000	25 S2	80 oct. P-line S,E.
TULSA Range (Okla)	245(TS)(116.1)	225°,1.0	SBRAZ-DTV	(3); 116.1, 122.1
TULSA Tower (Okla)	278 (126.18, 118.5)		AC (ILS)	(4); 118.5, 126.18, 122.5
(A) [Tulsa] (Okla)	6.2 NE,RR S	674	71h L6 S6	73-91 oct. 73,100 oct
Tulsa North (Tulsa, Okla)	4.5 NNW;RR E	700	25 S2	80,87 oct. Army Poles S,SW, SE.
Turkey (Tex)	2.7 SSW,hwy E	2350	18 S2	80 oct.
Twitty Int,8A,AQ-LS	1 SE, hwy 0.5 W	2225	38 L3	(Tex) P-line W
Vernon (Tex)	5 N,hwy E	1250	43h S6	73,80 oct. No sto.
* Vernon Int,15,AQ-FV	8.8 NNW;hwy E	1332	32 L3	(Tex)
Vici (Okla)	0.7 SW	2265	24 S1	80 oct. Trees N.
Victory (Clinton, Okla)	2 S,hwy W	1540	27 S6	80 oct.
Walker (Ada, Okla)	5.4 S;rd N	870	32	PRIV Trees sur fld.
Walker (Altus, Okla)	1.6 W;RR E	1400	26 S4	80,91 oct. P-line N.
Walters (Sedan, Kans)	8 N;hwy W	1000	26	PRIVATE
Walters (Okla)	1.2 SW;RR E	1005	26 S6	80 oct.
Watonga (Okla)	1.2 NW;hwy S	1460	26 S6	80 oct.
Waynoka-Kelsey (Waynoka, Okla)	3.4 NNE,RR SE	1500	21 S2	80 oct. P-line N,NE.
Weatherford (Okla)	2.7 ENE,hwy S	1550	27 S6	80 oct. P-line N.
Wellington (Tex)	1 SE;hwy W	2100	17 S2	80 oct. P-line S,E
Wewoka, com. (Okla)	1.8 W;lk N	905	23 S6	73,80 oct. P-line NNE.
(P) Wewoka, mun. (Okla)	4.7 N;hwy W	790	30	Emerg only
White Bros. (Lamont)	2 WSW;RR E	1000	24 S2	80 oct. (Okla)
WICHITA Range (Kans)	332(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1, 122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4): 122.5, 126.18, 118.7
(NG) [Wichita] (Kans)	5.3 SE;hwy W	1373	75h L6 S6	80,91 oct. Army 100 oct
Will Rogers, 36, AQ-LS	1.5 NE;RR W	649	29 L3 S6	73 oct. (Claremore,
WILL ROGERS Tower (Okla City, Okla)	272 (118.7)		AC (ILS)	(4):118.7, 126.18, (Okla) 122.5 Okla.
→ [Will Rogers] (Okla. City)	7.5 SW;hwy E	1283	57h L6 S6	80,91 oct. P-line N,E,W.
(P) Woodring (Enid, Okla)	5 ESE;RR N	1159	65h L5 S6	80,91 oct.
(P) Woodward (new) (Okla)	7.5 W,hwy S,E	2187	55h L5 S2	80,91 oct. Lgts on req.
✈ Woodward (mun) (Okla)	1.5 SE;hwy W	1918	21 L1 S6	80,91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
TULSA	110.3	335	354°	IM-	MM- ·-·- (0.65) OM- – – (4.82)
				MMK-	OMK-263 –
WICHITA	110.3	335	3°	IM-	MM- ·-·-· (0.69) OM- – – (5.37)
				MMK 20° ·-·-	OMK- 317 ·-·-
WILL ROGERS	109.9	333.8	350°	IM-	MM- ·-·- (0.66) OM- – – (4.6)
				MMK-	OMK-

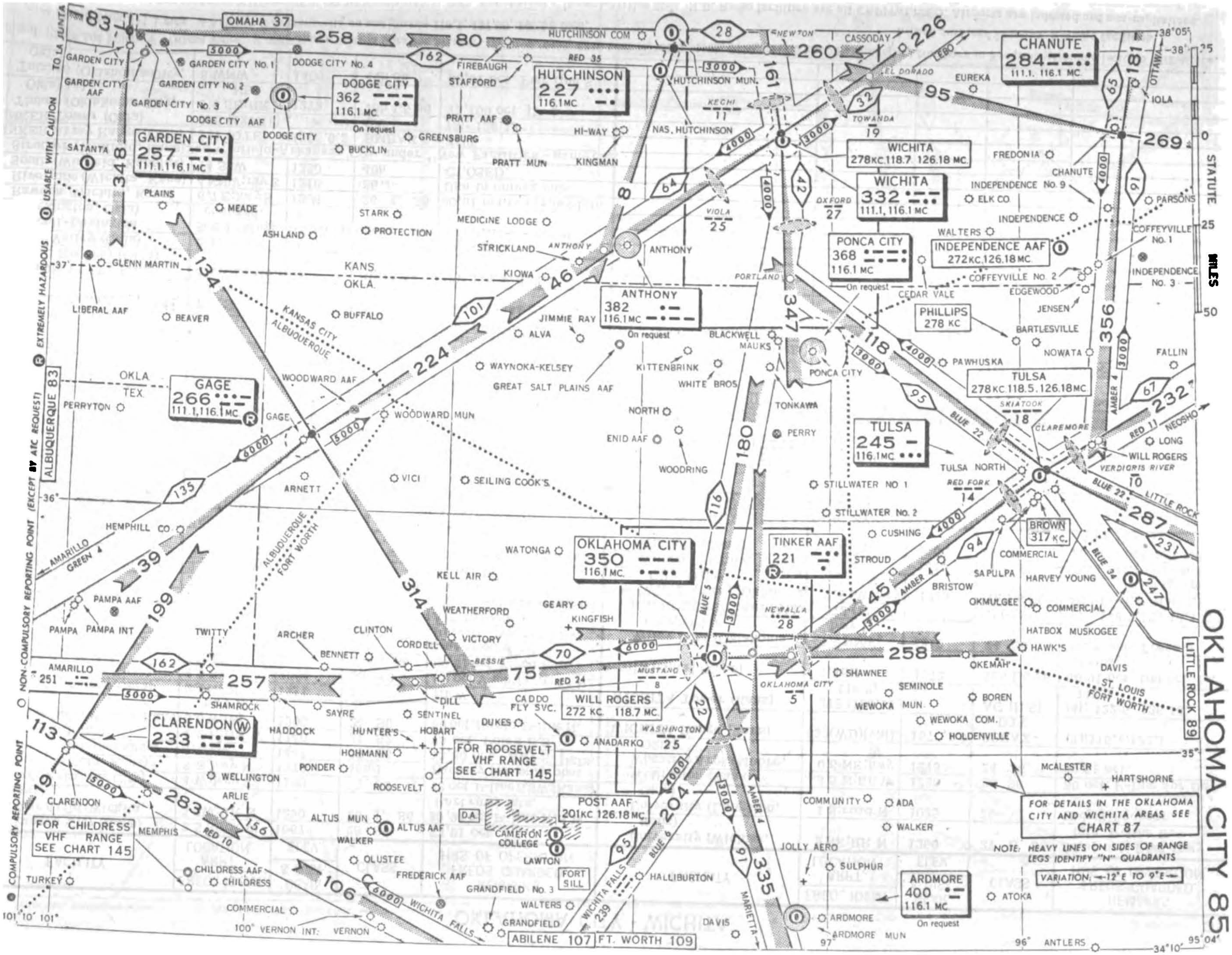
NEW FACILITIES

CHILDRESS Range (Tex)	109.1 (GM)		VARW	
ROOSEVELT Range (Okla)	108.7 (RQ)		VARW	
Arnett (Okla)	Adj NNE	2450	23 S1	73 oct.
Beaver (Okla)	1 SSW;hwy W	2500	30 S1	80 oct.
Bristow (Okla)	1.3 WNW;lk E	725	22 S6	80 oct. Trees NE,SW.
Fallin (Vinita, Okla)	1.5 NW;RR S	780	26 S2	80 oct. P-line E,N,NE.
Davis (Healdton, Okla)	1.3 E;crk W	800	20 S2	80 oct. S,SW.
Hartshorne (Okla)	1 NNW	700	13	Emerg use only
Hawk's (Henryetta, Okla)	1 N;rd N,E	862	18 S2	80 oct.
Jolly Aero (Davis, Okla)	3 S;hwy NNW	800	17	Pwrline NNW. Emerg. only
Kingfish (Hinton, Okla)	3.7 N;hwy W	1545	18	
Okemah (Okla)	1 E;city W	870	33 S6	80 oct. P-line N,NE.
Seiling-Cook's (Seiling)	Adj E	1700	20	P-line N; trees S. (Okla)
Shamrock (Tex)	1.3 SSE;hwy N	2395	23 S1	80 oct. P-line S.
Augusta (Kans.)	1 NNE	1260	26 S2	80,91 oct. S blkd.
Memphis (Tex.)	1.4 NNE	2100	38 S2	80 oct. E,SE blkd.
Elk Co. (Moline, Kans.)	2.3 ENE;hwys SW	1050	26 S	80 oct.
Protection (Kans.)	0.6 SSE;hwy S	1830	24 S2	80 oct. Pole W. Use strips only
Hi-way (Kingman, Kans.)	2.3 W;hwy S	1580	24 S2	80 oct. P-lines SE,S.
Bucklin (Kans.)	0.6 SW;RR N	2400	26 S2	80 oct. Poles N,W. Use strips.
Firebaugh (St. John, Kans)	1.7 NNE;rd E	1885	26 S2	80 oct. Poles N,E. Derrick S.
Cedar Vale (Kans.)	1.5 WNW;hwy S	1000	26 S1	80 oct. Poles N,W.
Davis (Muskogee, Okla)	5.5 S;RR 9	610	56h	Hill St
BROWN Tower (Tulsa, Okla.)	317		CI	3105 (12-sunset. Sats, Suns, holidays)

RADIO: S - Sharl. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (S) - 2165, 4495, 6550 kcs. (A) - 2165, 4495, 6550, 8137.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. (vhf) - Voice on 116.1 and 122.1 mcs. +- Army A.C.S. transmits on and guards 116.1, 122.05, 149.85 mcs. ● A.A.C.S. Scheduled Broadcast on 4725 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

OKLAHOMA CITY 85



FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Arkansas City (Kans)	3.5 S;RR W	1067	28 S6	73,91 oct.
Arther Arfld (Wichita, Kans)	3 SW;RR N	1290	26 L S6	80,91 oct.P-line N,S,W. Port rnwy lgts.
Baird (Arkansas City)	4 W;hwy S	1100	17 S2	73 oct.P-line S,SW.(Kans)
Beech (Wichita, Kans)	6 E;hwy N	1378	46h L	Factory use only.obst lgts.
Bomhoff (Calumet,Okla)	4.1 SSE	1448	25 S6	73,80 oct. Hwy S
Caldwell (Kans)	1.2 E;RR W	1140	21 S2	73 oct. Poles E,S.
Cannon Ball (Wichita,Kans)	6.5 WSW; hwy N	1300	24 S6	80 oct.No sto.P-line N.
Central (Edmond,Okla)	2.6 NNE	1211	24	RRW.
→ Cessna (Wichita,Kans)	4.5 SE	1384	53 S2	80 oct.Wichita Arpt 1 N.
(P) Chickasha (Okla)	4 NNW;riv S	1140	35h L S6	80,91 oct.Flood lgts.
Cimmarron (Yukon,Okla)	4 WSW;hwy N	1350	20h	Eme.g only.P-line NE,E.
Culver (Wichita, Kans)	4 N	1320	15h	Private-200' twr 1 NW
→ Derby (Kans)	1 NNE;RR W			ABANDONED
El Dorado (Kans)	3.6 SE;hwy W	1400	25 S6	80 oct.Soft,wet weather.
(P) El Reno (Okla)	1.5 SW;RR N	1400	26 L S6	80,91 oct.Port rnwy lgts
Frasier (El Dorado,Kans)	2.5 S;riv W	1300	25 S6	80 oct.Poles E,NE.
Garthoeffner Co. Club (Oklahoma City, Okla)	See Country Club under "New Facilities" - name changed.			
Guthrie Mun	2 SSE;hwy W	1052	26 L3 S6	80 oct. (Okla)
→ Hilltop (Augusta, Kans)	2 NE;RR SE			ABANDONED.
Ken-Mar (Wichita,Kans)	3 ENE;RR N	1375	23 L S6	80,91 oct. No sto. Port rnwy lgts.Obsts
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIVATE
Lake View (Yukon, Okla)	2.7 E;RR N	1275	24 S1	80 oct.Poles N,S.
Mariash (Chickasha,Okla)	2 SSE;RR E	1275	30 S2	80 oct. Data unver.
Marlow (Okla)	1.6 N;RR E	1150	22 S6	80 oct.P-line N.
Max Westheimer (Norman, Okla)	2.7 NW;RR E	1178	50h S6	80, 91 oct.
(P) Mustang (El Reno,Okla)	5.3 SSW	1400	52 S6	80,91 oct.
Newkirk Skypark (Okla)	2.5 SE	1140	29	P-line N,NW. RR SW.
(N) Newton (Kans.)	4 ENE;rd S	1527	70h S6	80,91 oct.P-line W,N.
Nuckols (Okla.City, Okla)	7.2 SSW; hwy W	1265	30 S6	80 oct.Poles N,W,SW.
OKLAHOMA CITY Range (Will Rogers) (Okla)	350(OL)(116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Pauls Valley (Okla)	2.1 S;RR E	967	35h L1 S4	80,91 oct.
Purcell-Lexington (Lexington, Okla)	See Lexington-Purcell under "New Facilities" - name changed.			
Rawdon (Wichita, Kans)	6.7 E;hwy S	1396	26 L S6	80,91 oct.Port rnwy lgts
Riverside (Wichita, Kans)	4 NNW;riv E	1310	26	Use in emerg only.
(A) South (Winfield, Kans)(A)	14 SSW	1250	40h	CLOSED.
(P) Strother (Winfield, Kans)	See Winfield-Arkansas City under "New Facilities" - name chg.			
TINKER Army Range (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
TINKER Tower (Okla)	396 (126.15)+		CA	(3); 126.15
(A) Tinker (Oklahoma City, Okla) (A)	8.5 SE;RR NE	1272	76h L5 S6	73,100 oct. JP-1
Tulakes (Oklahoma City, Okla)	8 WNW	1400	44h S6	80,91 oct. Pwr line S.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
University (Wichita, Kans)	5 NE;RR N	1350	27 L S6	80,91 oct. Port rnwy lgts. P-line E.
University (Langston, Okla)	1 S;road N	1025	26	Bldg SE corner.
Wellington (Kans)	3.5 N;RR W	1290	26 S6	80 oct. P-line sur fld
Wheatley Arpk (Moore, Okla)	0.6 NE;hwy W	1273	24 S6	80,91 oct.
WICHITA Range (Kans)	332(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1,122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(NG)[Wichita] (Kans) →	5.3 SE	1372	75h L6 S6	80,91 oct 100 oct. for Army.
Wiley Post (Oklahoma City, Okla)	7.9 NNW; hwy E	1216	34 S6	80,91 oct. Trees S
WILL ROGERS Tower (Okla)	272 (118.7)		AC (ILS)	(4); 118.7,126.18,122.5
→ [Will Rogers] (Oklahoma City, Okla)	7.5 SW;hwy E	1283	57h L6 S6	80,91 oct.P-line N,E,W. Port lgts prior req.
Wilson (Wichita, Kans)	7.6 NE	1410	26 L S6	80,91 oct.P-line N,NE,NW.
Winfield (Kans)	2 E;RR S	1200	20 S6	80 oct. Lgt acft only Pwr line N

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

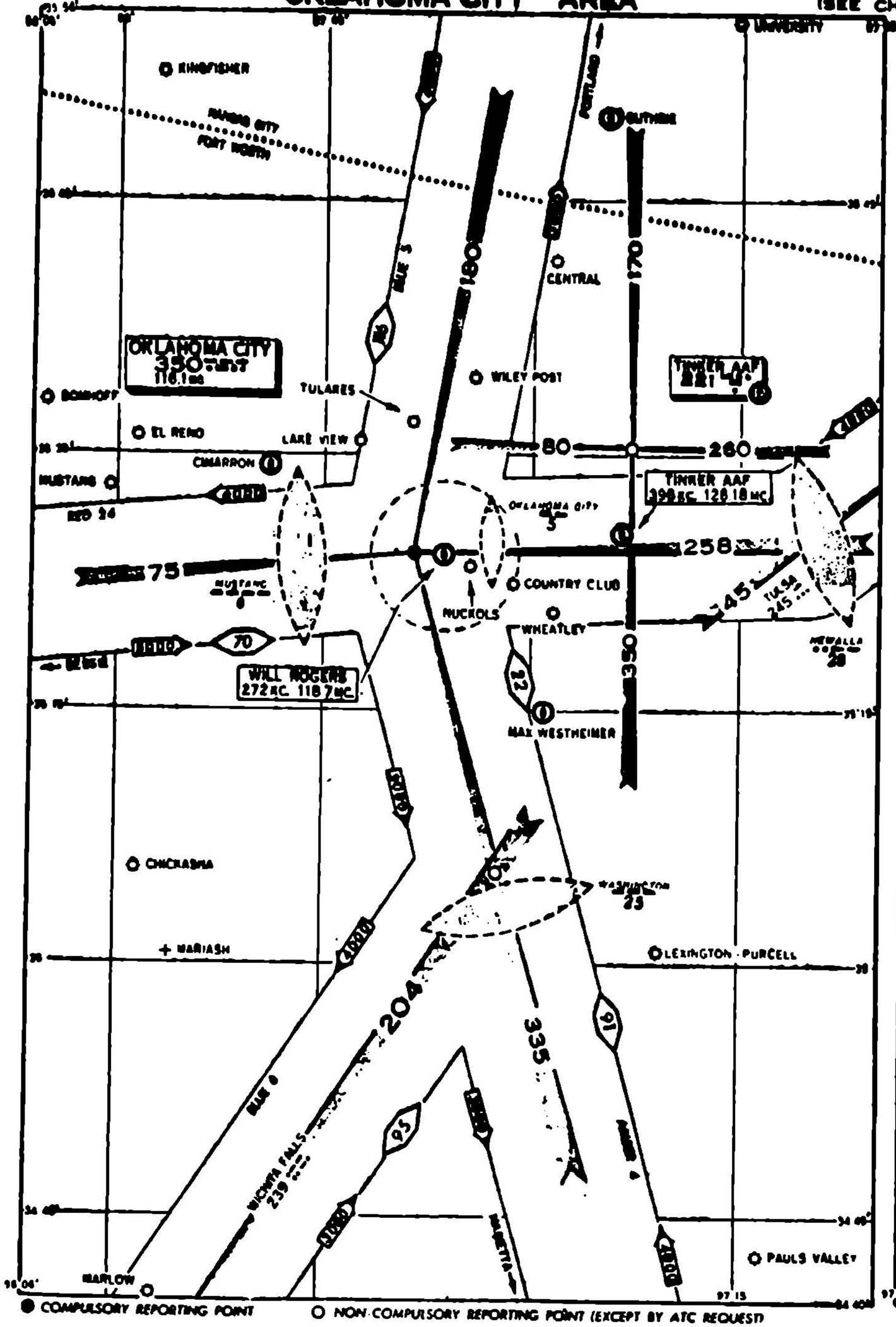
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
WICHITA	110.3 •—••	335	3°	MM- •—•—(0.6)	OM- ——(5.37)
				MMK-201—••	OMK- 317 •——
WILL ROGERS	109.9 •—••	333.8	350°	IM- MM- •—•—(0.66)	OM- ——(4.6)
				MMK-	OMK-

Lexington-Purcell (Lexington,Okla.)	0.8 WSW; riv V'	1100	21 S1	80 oct.No sto.
Country Club (Okla.City, (Okla)	7.3 S;hwy E	1250	19h S6	80 oct.
(P) Winfield-Arkansas City (Winfield,Kans)	5.7 SSW;RR SE	1150	58h L5 S2	80 oct.No bcn.Use strips.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3108, 4495, 6210 kcs. (4)-3108, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.86, 140.58 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)→ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

OKLAHOMA CITY AREA

(SEE CHART 88)



WICHITA AREA

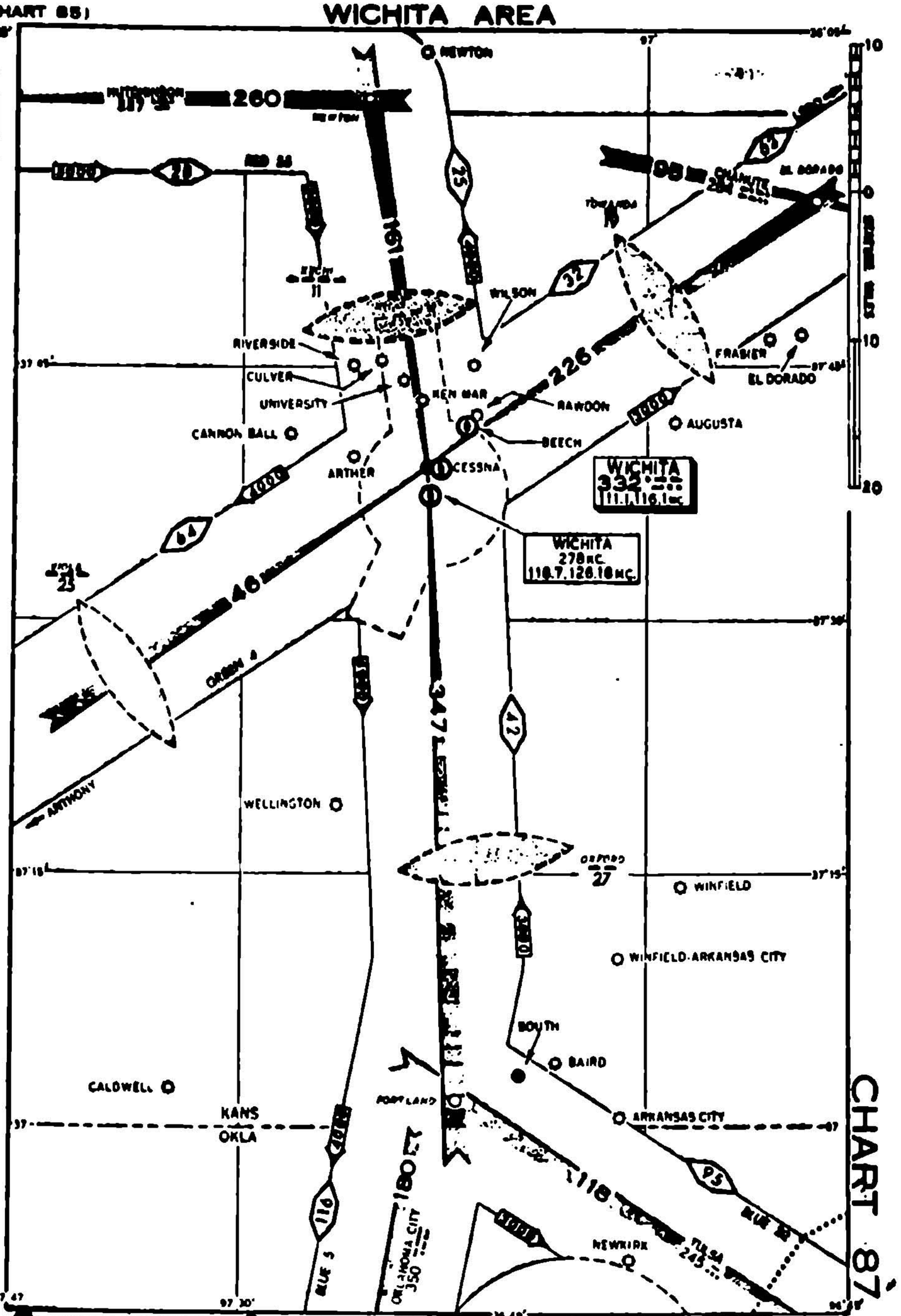


CHART 87

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓧ EXTREMELY HAZARDOUS Ⓒ USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

LITTLE ROCK

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ADAMS Tower (Ark)	278 (126.18, 118.5)		C	(4); 126.18,118.5, 122.5 (7-23)
(NG) [Adams] (Little Rock, Ark)	4 E;RR W	260	52h L5 S6	80, 91 oct. 73,100 oct, JP-1,2-ech maint NG.
ADVANCE Range (Mo)	317(AF)(116.1)	354°, 1.5	SBMRAZ-DTV	(4);116.1,122.1
* Advance Int,48,NO-LS	0.8 WSW	355	29 L3	(Mo) N blkd. Trees E.
Alma (Ark)	1.5 ESE;rd S	450	23 S2	80 oct. P-line S PRIVATE
→ American Legion (Blytheville, Ark)	1.5 ESE;RR N			ABANDONED
Arkansas Polytechnic (Russellville, Ark)	1.3 N;hwy W	350	23 S6	80,91 oct,SE blkd. P-line W.
(P) Atkinson (Pittsburg, Kans)	2.5 NW;RR W	948	40h L S6	80 oct. Flood,obst lgts.
Bailey (Cabot, Ark)	0.5 W;RR SE	270	16 S2	80 oct. Trees sur fld.
Bass (Lula, Miss)	2.2 SSE	200	13 S1	80 oct. N blkd. Hwy E
Batesville (Ark)	3 S;hwy E	400	25 S3	80 oct. N,W blkd. P-line
* Batesville Int,29,NO-LS (Miss)	3 W;hwy SE	205	25 L3	Poles N, lgtd. W,N.
Benton (Ark)	1.6 W;hwy N	300	20 S2	80 oct. P-line S. Trees
Bentonville (Ark)	1.5 SSW;RR N	1200	24 S1	80 oct.
Berryville (Ark)	1.3 WNW	1150	13 S1	70 oct. Trees S, hwys N,S.
Biggers (Ark)	2 ESE	290	45	;RR 2 NW. Cattle on fld.
BLYTHEVILLE Range (Ark)	221 (LY)	226, 14.2	RLWZ	
(P) Blytheville (Ark)	3.5 NW	254	50h S6	80,91 oct.
Bolivar (Mo)	1.8 WSW	1138	24 S2	80 oct. N,S blkd. Hwy N.
Bowden (Mena, Ark)	1 E;RR NW	1177	16 S1	73 oct.
Bowen (West Memphis, Ark)	1.5 W;hwy N	215	17 L S6	80,91 oct. Flood lgts; port rnwy lgts. Poles
Branson (Mo)	4 W;mtn NNW	1069	19 S4	80 oct. W,NW blkd. SE.
(P) Brinkley,37,DL-LV (Ark)	1 E;hwy N	188	31 L3 S1	80 oct. days. Obst NW Heavy acft emerg only.
Cabool (Mo)	0.8 SW		18 S1	80 oct. Data unver.
Cape Commercial (Mo)	4.8 SW;Hwy N	340	35	CLOSED. P-line N
Carbondale (Ill)	1E;lk1.5SW	450	23 S6	80 oct.
(P) Carlisle Aux. (Ark)	3 NE; RR S	236	45h	CLOSED.
Carthage (Mo)	See Meyers Field under "New Facilities" - name changed			
Cassville (Mo)	3.9 S;hwy E	1375	26 S1	80 oct. P-line NE.
Central (Little Rock)	4.5 NE;RR S	255	35 S4	80 oct. Trees W. Data un-
Charleston (Mo)	1 ESE;RR NW	300	31 S2	80 oct. Poles S,ver (Ark)
Chester (McBride, Mo)	3.8 NW;riv N	372	20h	Allway: 5388 x 4695'.
Clarksdale (Miss)	1.5 SE;hwy NW	175	21 L1 S6	80 oct. P-line N
Commercial (De Witt)	2.4 W;RR N	196	24 S6	80 oct. P-line E. (Ark)
(P) Conway (Ark)	1.5 SE;hwy W	309	32 S6	80,91 oct. P-line N,E.
→ Cooter (Blythev'l,Ark)	10 NE			ABANDONED
Copp (Calico Rock, Ark)	1.8 N	425	18	Fence S.
Dexter (Malden, Mo)	12.5 NNE	215	45h	
Dockery (Stuttgart, Ark)	1.5 NNW	214	24 S6	73,80 oct. P-line N,S,E
Diamond (Mo)	2.1 SSW;Hwy E	1150	19 S2	80 oct. SW,NW blkd.
(A) Dyersburg AAF (Tenn)	9 S;RR E	289	62h	CLOSED. (A)
Dyersburg Mun. (Tenn)	2 SW;riv N	337	40h S4	80 oct. No sto.
Earl Fields (Poplar Bluff, Mo)	3.8 ENE; hwy S	325	26 S6	80 oct. P-line S
Embry Riddle (Union City, Tenn)	See Stewart Field under "New Facilities" - name changed			
Erwin (Newport, Ark)	6 SE;rd S	220	45h	CLOSED.
Farmington (Mo)	1 ESE;hwy N,E	920	36 S6	80,91 oct. Poles E,N
→ Farmington Flying Service (Mo)	0.8 NNE; hwy S			ABANDONED
(P) Fayetteville (Ark)	4.5 S;riv E	1251	38 S6	80 oct. P-line SW;ctn.
Fleeman (Manila, Ark)	0.8 S;RR N	240	32 S2	80 oct. P-line N,NE.
Fletcher (Clarksdale)	8 NNE;RR W	175	20h S6	80, 91 oct. (Mo) P-line
Forrest City (Ark)	0.7 W;hwy SE	226	22 S2	80 oct. Bldg S. S
Fort Scott (Kans)	4.5 SW;hwy S	900	28 S2	80 oct.
(P) [Fort Smith] (Ark)	4 SSE;RR S	450	55h L5 S6	80,91 oct. P-line SE,SW
(A) Gideon (Malden, Mo)	1 SE Gideon	268	45h	CLOSED. Stacks W.
Gilbrech (Palmer, Ark)	0.2 NE;RR S	178	18 S2	80 oct. N/S strip rough.
Girard (Kans)	1.7 WNW	950	14	P-line S,WSW Poles W.
(P) Grider (Pine Bluff, Ark)	5.5 SE;hwy N	210	45 L S6	80,91 oct. Port rnwy lgts
Harlas (Malvern, Ark)	7.5 W SW	275	26 S2	73 oct. P-line NE RR SE
Harris (Cape Girardeau, Mo)	6.5 SSW; hwy E	340	20h S6	80,91 oct. P-line N
Harrison (Ark)	4.1 NW;RR,8 S	1380	32 S2	80 oct. SE,S,NW blkd.
Heber Spgs (Ark)	1.5 NNE;hwy E	625	24 S1	80 oct. P-line E N blkd
Hazen (Ark)	3.8 WSW	225	45h	
Heavener (Okla)	2 N;RR W	575	27	Use in emerg. only.
→ J.B.Wilson (Joiner, Ark)	0.5 ENE			ABANDONED.
Jameson (Picher, Okla)	4.5 W			ABANDONED
→ John Brown Universtiy (Mosley, Okla)	3.6 ESE; hwy S	1183	27 S6	80 oct. Appchs blkd. Caution.
John's Arpk. (Flippin)	0.3 NNW	620	27 S1	80 oct. N,SE,S,NW blkd.
(P) Jonesboro (Ark)	3.5 ESE; RR all sides	264	44h S6	80,91 oct. Use (Ark) rnwys.
JOPLIN Range (Mo)	400(JH)(vhf)	172°, 6.2	BMRLZ-DTV	(4);116.1,122.1
(P) [Joplin] (Mo)	5 NNE;hwy S	981	43h L4 S6	80, 91 oct. P-line NE
Kennett (Mo)	1.3 E;RR W	260	26	30' poles N.
Kennon (Union City, Tenn)	3.2 WSW; hwy N			ABANDONED
King (Houston, Mo)	0.8 WNW	1180	15 S1	80 oct. Poles S. Hwy ESE
* Lebanon, 54B, AQ-LS	2.5 SSE	1380	26 L3 S6	80 oct. (Mo.) Hwy E.
→ Levee (W. Memphis, Ark)	2.4 E;RR N	215	24 L S4	80,91 oct. Port rnwy lgts P-line N,S. Wires W.
LITTLE ROCK Range (Adams) (Ark)	353 (LI) (116.1)	313°, 3.8	SBRAZ-DTV	(3); 116.1, 122.1
* Luxora Int,39,NO-LS	1 WNW	240	31 L2	(Ark). Hwy S. S blkd.
McFarland [Springfield]	4 SSE; hwy E	1310	34 S6	80 oct. P-line S,NW (Mo
(P) McLaughlin (Hot Spgs, Ark)	See Hot Springs Memorial Fld under "New Facilities" - Name changed.			
Macarin (Marion, Ill)	4.6 WNW	470	35 S6	80,91 oct. Hwy W.
(A) Malden AAF (Mo)(A)	3.5 NW;RR E	296	50h	CLOSED.
→ Manila	1.6 NE	240		Cattle on fld.
→ Marks (Miss)	1.5 NW;hwy S	165	22 S2	80 oct. Trees N,E.
MEMPHIS Range (Tenn)	371 (PS) (116.1)	356°, 2.1	SBRAZ-DTV	(3); 116.1, 122.1
MEMPHIS Tower (Tenn)	278 (126.18, 118.7)		AC (ILS)	(4); 126.18,122.5,118.7 See Notice to Airmen
(A) [Memphis] (Tenn)	5.9 SSE; RR NE	269	52h L6 S6	73-100 oct. JP-1. Rdo rgrd. Obst W,SE,S,NW
Memphis Flying Service (Tenn)	11 SE;RR 3 NW	286	35 L4 S6	80,91 oct. P-line S. No ben. Lgts prior req Rnwy lgtg data unver.
MEMPHIS NAS Tower	293 (142.74)		CN	3105; 142.74 (6-24)
(N) Memphis NAS (Tenn) (N)	16 NNE;RR NW	322	50h L5 S6	73,91,100 oct. Lgts on
(P) Miami (Okla)	2.2 NNW	800	33h L1 S6	80,91 oct. RR E req.
Milltown (Tuckerman,	4.5 E;	244	45h	(Ark). Emerg only.
Monett (Mo)	0.5 NE;hwy S	1361	26 S4	80 oct. P-line SW
Monkey Island (Afton, Okla)	7.8 SE;RR NW	750	26 S1	80 oct. P-line W.
Murphysboro (Ill)	3 N;riv SE		20 S1	80 oct. Data unver.
Neosho com. (Mo)	4.8 NNW	1140	27 S2	80 oct. P-line SW,NW
Neosho 43B,AQ-SL (Mo)	2.8 SW;hwy E	1215	26 L3 S6	80 oct. P-line NE,W,NW
(P) Nevada (Mo)	3 NE;hwy N	850	36 L S6	80 oct. P-line SW,W,NW
Newport (Ark)	6 ENE;hwy N	237	50h S6	73,80,91 oct. Port lgts on req.
Norman (Ola, Ark)	1.8 NNE	348	28	P-line SE Closed
North Cairo (Cairo, Ill)	3 NNW	312	24 S4	73 oct. RR E wet.
Overholt (Cotton Plant)	3 W;hwy S,U	250	18 S1	(Ark) 80 oct. Ctn when
(P) Oxford (Miss)	8 S;hwy 7	300	30 S6	80,91 oct. Trees NW. Soft.
Paris (Ark)	1.3 NE;RR V	500	23 S1	80 oct. SW,W blkd. P-line
Poteau (Okla)	1.5 SSW	460	17	RR NW, E E,NE.
* Prairie du Rocher Int, 55, NO-LS (Ill)	0.5 S;RR NE	390	37 L3	Trees S, N
(P) Prairieville (Almyra, Ark)	5 W	205	45h	
Ramsey (Campbell, Mo)	1.6 SW;RR NW	295	18 S2	80 oct. NE,
Rogers (Ark)	2.7 N;RR E	1325	32 S6	80 oct. SE blkd. Trees
Rogers Arpk (Springfield, Mo)	2.1 E;hwy W	1367	38 L4 S6	80,91 oct. Lgts prior req. Pwr line N
Rolla (Mo)	3.5 NE;rd S	1201	31 L S6	80,91 oct. Port rnwy lgts
Round Pond (Ark)	1.5 NNW	200	22 S2	80 oct. PRIVATE SW.
(P) Sanders (Walls, Miss)	1.8 S;hwy NW	210	51 S6	80,91 oct. Trees N,SSE.
Searcy (Ark)	2.8 S;RR E	260	31 S1	80 oct. P-line NE,SE.
Sexton (Kennett, Mo)	2.8 SW;hwy E	263	26 S2	80 oct.
Sky Haven (W. Plains, Mo)	2.4 NW	1049	22	RR E.
Sloan (Black Rock, Ark)	0.5 NE;RR W	270	16	
Smith (Hasty, Ark)	3 SSW;rd E,S	1150	16 S1	80 oct. N,S blkd.
Springdale (Ark)	0.8 SSE; RR,5 W	1200	19 S4	80 oct. P-line NE,SW S,NW blkd.
SPRINGFIELD Range (Mo)	254 (SX) (vhf)	134° 4.3	SBRAZ-DTV	(4);116.1,122.1
(A) [Springfield] (Mo)	5.5 WNW; RR NE	1269	56h L5 S6	80,91,100 oct. 100 oct. JP-1 Army Use rnwys only
→ Steele (Blythev'l,Ark)	12.3 N			ABANDONED
Stilwell (Okla)	1.4 N;RR W	1125	18 S2	80 oct.
STUTTGART Range (Ark)	269 (DSA)	173° 4.7	MRLWZ	
(P) Stuttgart (Ark)	7 N;RR E	230	50h S6	80,91 oct.
Tahlequah (Okla)	4.3 N;rd E	1050	22 S6	80 oct.
(P) Thompson-Robbins → (Helena, Ark)	6 NW;RR S	242	50h S6	73,80 oct.
Toney (Pine Bluff, Ark)	2.5 N;hwy W	215	28 S2	80,91 oct. Twr NW lgtd.
→ Tucker (Hughes, Ark)	1.1 S			ABANDONED.
Walcott #3 (Walnut → Ridge, Ark)	14.2 ESE	285	45h	2 W of Walcott. CLOSED. NOT MAINT. Cattle on fld.
WALNUT RIDGE Range (Ark)	362 (DWR)	174°, 5.0	MRLWZ	
Walnut Ridge (Ark)	4 NE;RR SE	275	50h	
* Whiteville Int, 49, DL-LV (Tenn)	0.6 NNW;RR E	494	30 L3	
Wilson (Memphis, Tenn)	11.5 SE;hwy W	320	26 S6	73 oct.
Wynne (Ark)	3.2 N;RR E	212	25 S3	80 oct. P-line E, SE.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MEMPHIS	109.9	333.8	86°	IM-	MM- (0.69)	OM- (4.88)	
				MMK-201		OMK- 215	
				IM-	MM-	OM-	
					MMK-	OMK-	

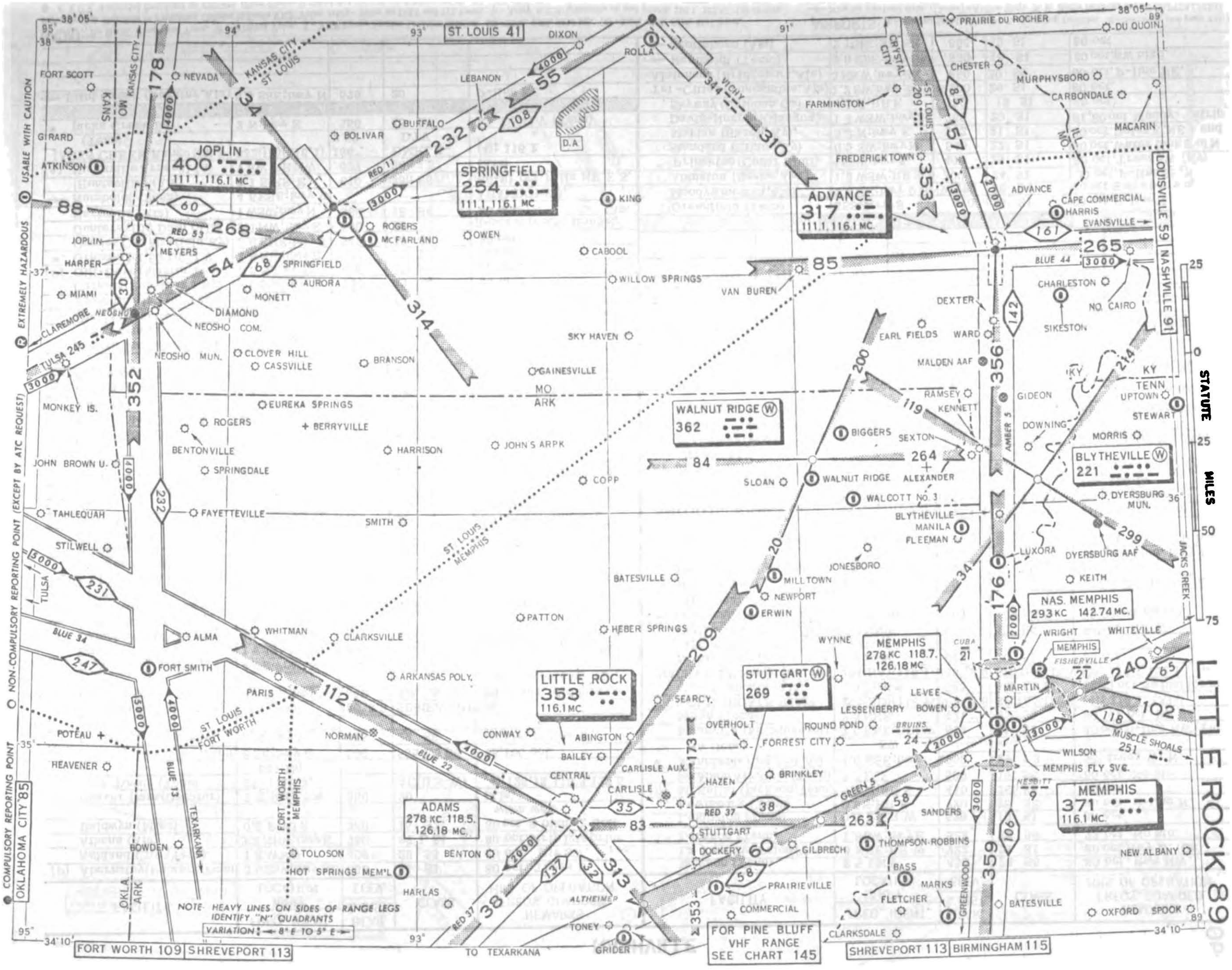
NEW FACILITIES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Spook (Pontotoc, Miss)	2 W;hwy N	3000	15 S1	80 oct. P-line N.
PINE BLUFF Range (Ark)	108.7 (PL)		VARW	
Clarksville (Ark)	2.5 E;hwy S	425	27 S1	P-line SE,WSW
Whitman (Czark, Ark)	1.2 NNW	600	25 S1	80 oct. Hwy SW. Bldg SW.
Martin (Memphis, Tenn)	6 ENE;RR N	258	22 S6	80,91 oct. P-line S.
Ozark Skyranch (Eureka Springs, Ark)	See Eureka Springs under "New Facilities" - name changed.			
Central (N. Lit'l Rock, Ark)	5 ENE;hwy S	255	35 S4	80 oct. Trees W. Caution.
New Albany (Miss)	2 W;hwy S	450	15 S1	80 oct. All apps. blkd exc N,S
Wright (Memphis, Tenn)	9 N;hwy,RR E	214	35 S2	80 oct. P-line E.
Morris (Oblon, Tenn)	0.3 NW	340	25	P-line S.
Uptown (Union City, Tenn)	1 NE;hwy SE	350	15 S4	80 oct. No sto. P-line S.
Keith (Henning, Tenn)	1 SW;RR SE	350	12 S1	80 oct. Trees W,SW,E.
Toloson (Mt. Ida, Ark)	0.3 N	650	24 S1	73 oct. P-line both ends. Soft.
Lessenberry (Parkin, Ark.)	1.3 SW;hwy E	200	12 S2	80 oct. Trees N
→ Patton (Clinton, Ark.)	2.1 S;hwy E	755	25 S1	Ltd 80 oct. Trees sur fld. Soft.
Owen (Seymour, Mo)	3 NE	1600	21 S2	80 oct. Use strip only.
Gainesville (Mo)	2 ENE;hwy SW	1060	18 S1	80 oct. Trees NW.
Fredericktown (Mo)	4.8 S;hwy W	1000	15 S2	80 oct. Trees S,NE. Bldg N.
Clover Hill Exeter, Mo)	0.7 WNW	1530	13	Use strips only.
Harper (Joplin, Mo)	2.5 W;hwy N	1050	30 S6	80 oct. N,S,SW blkd. Poles
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80 oct. NW,NE.
Willow Springs (Mo)	0.7 E	1220	20 S1	80 oct. N blkd.
Alexander (Paragould, Ark.)	12 NE		25	Trees N,S. Data unver.
Stewart (Union City, Tenn)	5 ESE;hwy NE		18h L S6	80,91 oct. Flood lgts.
Meyers (Carthage, Mo)	2 S;hwy E	1007	26 L S6	80 oct. Port rnwy lgts.
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80 oct. P-line NE,SW,E,S
Harper (Joplin, Mo)	2.5 W;hwy N	1050	30 S6	80 oct. N,S,SW blkd Poles
Owen (Seymour, Mo)	3 NE;orchard E	1600	21 S2	80 oct. Use strip only. NW, NE.
Gainesville (Mo)	2.0 ENE;hwy SW	1060	18 S1	80 oct. Trees NW
Fredericktown (Mo)	4.8 S;hwy W	1000	15 S2	80 oct. Trees S,NE; bldg N
Clover Hill Airstrip	0.7 WNW	1530	13	Use strip only
Willow Springs (Mo)	0.7 E	1220	20 S1	80 oct. N blkd.
Downing (Hayti, Mo)	1.5 W;hwy S	270	16 S2	80 oct. P-line S. Use strip
Carlisle (Ark)	0.5 S;hwy N	240	26 S2	80 oct P-line N; trees S
Buffalo Mun. (Mo)	1.2 NW;hwy E	1200	13 S2	80 oct Trees NE
Cabool (Mo)	1 SW	1200	18 S1	80oct Trees N;p-line S
Dixon (Mo)	1.5 W;RR S	1220	16 S1	80oct Trees NNE,NW
Sikeston (Mo) [Ark.]	2 NE; RR S	315	58 S6	80 oct. P-line W.
(P) Hot Springs Memor'l	3SW;hwy N	525	41h L5 S6	80,91 oct. Lgts prior req.
Eureka Springs (Ark)	6.5 NW;riv E	1150	24 S1	80 oct. NW blkd.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1; 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities.

L-lighting facilities. S-servicing (see page III) →←NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ST. LOUIS 41
DIXON
ROLLA
PRAIRIE DU ROCHER
DU QUOIN
CHESTER
MURPHYSBORO
CARBONDALE
MACARIN
CRYSTAL CITY
FARMINGTON
FREDERICKTOWN
FORT SCOTT
NEVADA
LEBANON
BUFFALO
BOLIVAR
GIRARD
ATKINSON
JOPLIN
400
111.1, 116.1 MC
SPRINGFIELD
254
111.1, 116.1 MC
ADVANCE
317
111.1, 116.1 MC.
KING
ROGERS
McFARLAND
OWEN
CABOOL
WILLOW SPRINGS
VAN BUREN
MEYERS
HARPER
MIAMI
SPRINGFIELD
AURORA
MONETT
DIAMOND
NEOSHO COM.
NEOSHO MUN.
CLOVER HILL
CASSVILLE
BRANSON
SKY HAVEN
GAINESVILLE
MO
ARK
EUREKA SPRINGS
ROGERS
BENTONVILLE
SPRINGDALE
BERRYVILLE
HARRISON
JOHN'S ARPK
COPP
WALNUT RIDGE
362
SLOAN
WALNUT RIDGE
ALEXANDER
WALCOTT No. 3
BIGGERS
SEXTON
264
RAMSEY
KENNETT
DEXTER
EARL FIELDS
WARD
MALDEN AAF
CHARLESTON
SIKESTON
NO. CAIRO
BLYTHEVILLE
221
GIDEON
DOWNING
MORRIS
STEWART
UPTOWN
DYERSBURG MUN.
DYERSBURG AAF
LUXORA
KEITH
BLYTHEVILLE
MANILA
FLEEMAN
JONESBORO
MILLTOWN
NEWPORT
ERWIN
BATESVILLE
NAS. MEMPHIS
293 KC 142.74 MC
WRIGHT
WHITEVILLE
MEMPHIS
FISHERVILLE
MARTIN
LEVEE
BOWEN
LESSENBERRY
WYNNE
MEMPHIS
278 KC 118.7,
126.18 MC
STUTTGART
269
LITTLE ROCK
353
116.1 MC
SEARCY
CONWAY
ABINGTON
BAILEY
CENTRAL
CARLISLE AUX.
CARLISLE
HAZEN
OVERHOLT
FORREST CITY
ROUND POND
BRUINS
BRINKLEY
WILSON
MEMPHIS FLY SVC.
MUSCLE SHOALS
251
NESBITT
9
MEMPHIS
371
116.1 MC.
SANDERS
ADAMS
278 KC 118.5,
126.18 MC.
STUTTGART
DOCKERY
GILBRECH
THOMPSON-ROBBINS
BASS
MARKS
FLETCHER
PRAIRIEVILLE
COMMERCIAL
ALTHEIMER
TONEY
GRIDER
BENTON
TOLOSON
HOT SPRINGS MEM'L
HARLAS
BOWDEN
POTEAU
HEAVENER
NORMAN
PARIS
WHITMAN
ALMA
CLARKSVILLE
PATTON
HEBER SPRINGS
ARKANSAS POLY.
FORT SMITH
TAHLEQUAH
FAYETTEVILLE
SMITH
STILWELL
JOHN BROWN U.
MONKEY IS.
CLAREMORE
TULSA
OKLAHOMA CITY
TEXARKANA
NEW ALBANY
OXFORD
SPOOK
CLARKSDALE
DELTA
LOUISVILLE 59
NASHVILLE 91
JACKS CREEK
STATUTE MILES
LITTLE ROCK 89
FOR PINE BLUFF
VHF RANGE
SEE CHART 145
FORT WORTH 109
SHREVEPORT 113
SHREVEPORT 113
BIRMINGHAM 115
TO TEXARKANA
NOTE- HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION 8° E TO 5° E
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
38°05'
38°
37°
35°
34°10'
95°
94°
93°
91°
89°

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Abernathy(Pulaski,Tenn)	3.6 SSW;hwy NE	650	31 S1	80 oct. Trees E.
Ashland City (Tenn)	1.8 WNW	400	22 S6	80 oct. Riv SW. req.
Athens (Ala)	3.2 NNW;hwy E	780	27 L S4	80 oct.Strip lgts prior
Baldwyn (Miss)	0.5 E;rd S	380	15 S2	80 oct. S blkd . Soft when wet.
→ Beaver Dam (Decatur)	7 E;RR 3.5 N	580	20	(Ala)
BERRY Tower (Tenn)	278 (118.3, 126.18)		AC(ILS-W)	(4);126.18,118.3,122.5
(P) [Berry] (Nashville,Tenn)	6 SE;hwy S	606	55h L6 S6	73,100 oct.
Bomar Airways (Shelbyville, Tenn)	5 N;hwy W	825	22 S6	80 oct. P-line W.
BOWLING GREEN Range	368 (BA)	296°,3.8	SBMRAZ-DT	(4)
(P) Bowling Green (Ky)	2.5 SSE;hwy W	540	40h L5 S4	80,91 oct. Fld lgts on req.to commun. stn.
Boyd (McMinnville,Tenn)	4.6 SW;RR N	1000	20	
Brown (Hohenwald,Tenn)	1 ESE; hwy S	950	20 S1	80 oct.P-line SE,SW
(A) Campbell AAF (Hopkinsville, Ky.) (A) →	12.8 S;RR E	557	54h	TMP INACT-NO FACS. CLOSED.
CHATTANOOGA Range (Tenn)	341(CB)(116.1)	203°,3.0	SBRAZ-DTV	(3); 116.1, 122.1
CHATTANOOGA-LOVELL Tower (Tenn)	278 (126.18, 118.9)		C	(4);126.18,118.9,122.5
[Chattanooga-Lovell]	5.5 E;RR E	678	45h L5 S6	80, 91 oct. (Tenn)
Clifton (Tenn)	1.4 E Lake W	402	28 S1	80 oct.
Cookeville (Tenn)	1.5 NNE;RR N	1050	25 S4	80 oct.Sto.in emerg. Poles W.
Corinth 7,PS-TM(Miss)	5 WSW;hwy N	418	39 L3 S1	80 oct.
Cornelia Fort (Nashv'l) Tenn)	6 ENE;riv E	420	30 L S6	80 oct.Flood,strip lgts 2200, Mon thru Thurs.
Courtland (Ala)	1.8 W	588	50h	CLOSED.
(P) Crossville,9,NA-WA	3.3 WNW;hwy S	1862	30 L3	(Tenn)
Cumberland (Nashville)	3 NNW;riv N	400	34 S6	80 oct.No sto.(Tenn)
Dalton (Ga)	5.7 ESE	700	22 S1	80 oct.
→ Davenport (Ft.Payne,Ala)	1.1 NE;RR,hwy NW	1010	24 L S4	80 oct.Flares prior req.
DeSoto Park Land.Strip (Ft.Payne, Ala)	6 NE	1556	18	
Dick's (Fayetteville,Tenn)	1.5 S;hwy E	600	14	.P-line E;trees W
Franklin Air Svc.(Tenn)	1.3 WSW	645	18 S1	80 oct.E blocked.
Garnett (Hopkinsv'l,Ky)	5.5 SSE;RR W	550	23 S4	80 oct.
(P) Gill-Dove (Martin,Tenn)	3.5 S;hwy E	416	35 S6	80 oct.
★ Graham Int,59,DL-LV	1.5 NW;hwy E	536	27 L3	(Tenn)
Graves Co.(Mayfield,Ky)	3.6 ENE;hwy S	543	26 S1	80 oct.
Guntersville Dam (Ala)	9.1 NW;hwy E	600	30	Reservoir S.P-line SE.
Hartselle (Ala)	1 WSW;hwy N	588	18 S4	80 oct. Ctn.
→ Humboldt (Tenn)	4.6 ESE;hwy W			ABANDONED.
[Huntsville] (Ala)	3.1 S;RR E	610	38h S6	80-91 oct.Hills NE,E,S.
(A) Huntsville Arsenal (A)	7 SW;RR NW	677	50h L5	(Ala)
JACKS CREEK Range (Int.) (Tenn)	332(JK)(116.1)	186°, 2.62	BMRLZ-DTV	(4); 116.1
★ Jacks Creek Int.	2 N;hwy E	550	43 L3	53, DL-LV (Tenn)
NEW FACILITIES				
→ Flint Creek (Decatur,Ala)	5.5 SSE;hwy N	575	20	P-line NE.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Jackson (Tenn)	2.5 ENE	450	28 S6	80 oct. Hwy NW.
La Fayette-Trion (Trion)	3 NNE;RR W	722	21 S1	80 oct.Hwy E. (Ga)
Lebanon (Tenn)	1.8 SW;hwy E	522	28 S6	73 oct. No sto.
Lexington (Tenn)	0.5 E;RR W	520	10 S1	80 oct.
Lewisburg (Tenn)	0.5 S;RR E	720	18 S2	80 oct. P-line N.
(P) McKellar (Jackson,Tenn)	5.8 W;RR S	410	36h S6	80 oct.
Madison Air Strip (Tenn)	2.3 ESE	560	19 S6	80 oct. No sto.
* Manchester Int,16A,AGNA (tenn)	4.5 ESE;hwy SW	1090	29 L3	53' trees W, N.
Maury Co.(Mt.Pleasant)	2.5 ENE;RRSW	672	31 S2	80 oct.P-line NW.(Tenn)
Milan (Tenn)	2.8 NNE	421	25 S5	80, 91 oct. RR SE.
MUSCLE SHOALS Range	251(ED)(116.1)	282°,4.6	SBRAZ-DTV	(4); 116.1 (Ala)
Muscle Shoals (Ala)	1.5 E;rd N	545	40h L5 S1	80,91 oct No fuel for mil acft.
NASHVILLE Range (Berry)	304(NA)(116.1)	246°,2.6	SBMRAZ-DTV	(3); 116.1,122.1
North Sauty Base (Scottsboro, Ala)	3.2 SSW; Lake S	610	20 S1	80 oct.
Outlaw (Clarksville,Tenn)	7.4 NNW	550	37 S5	80 oct. RR W.
→ [Paducah-McCracken Co (Paducah, Ky)	8.8 W;RR N	405	40h L5 S6	80,91 oct.No sto.
Paris (Tenn)	4.3 NW;hwy N	500	28 S6	80 oct.No sto.P-line N,
Pryor (Decatur, Ala)	4 NNE;hwy W	588	44 S6	80, 91 oct. NW.
Rossville (Ga)	2.1 SSW	760	21 S1	80 oct.S blkd. Hwy E.
Skv Harbor (Murfreesboro, Tenn)	7.3 NW;hwy SW	560	39 S6	73 oct. No sto. P les NE.
SMITHVILLE Range (Int.)	347(XM)(116.1)	177°,1.4	SBMRAZ-DTV	(4); 116.1 (Tenn)
★ Smithville Int,5,NA-WA	1 E;rd S	1073	34 L3 S1	80 oct. (Tenn)
SMYRNA AAF Tower (Tenn)	219 (126.18)+		CA (ILS)	(3); 126.18
(A) Smyrna AAF (Nashville, Tenn)(A)	17 SE;RR SW	512	55h	TMP INACT-NO FACS.
S.T.College(Murfreesb'o)	2 E; hwy N	600	34 S4	80oct.Poles N.(Tenn)
Thomas(Chattanooga)	3 N;RR E	640	38	(Tenn)
University of South	1.8 WNW;RR NE	870	23 S2	80 oct. (Cowan,Tenn)
Wilks (Fayetteville,Tenn)	2.5 NNW;hwy E	650	20 S2	80 oct.
(A) William Northern (A)	2 WNW;rd S	1081	50h	CLOSED. (Tullahoma,
Wood-Dearing(Russellv'l,Tenn)	4 E	780	20 S4	Fuel from town Tenn)

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

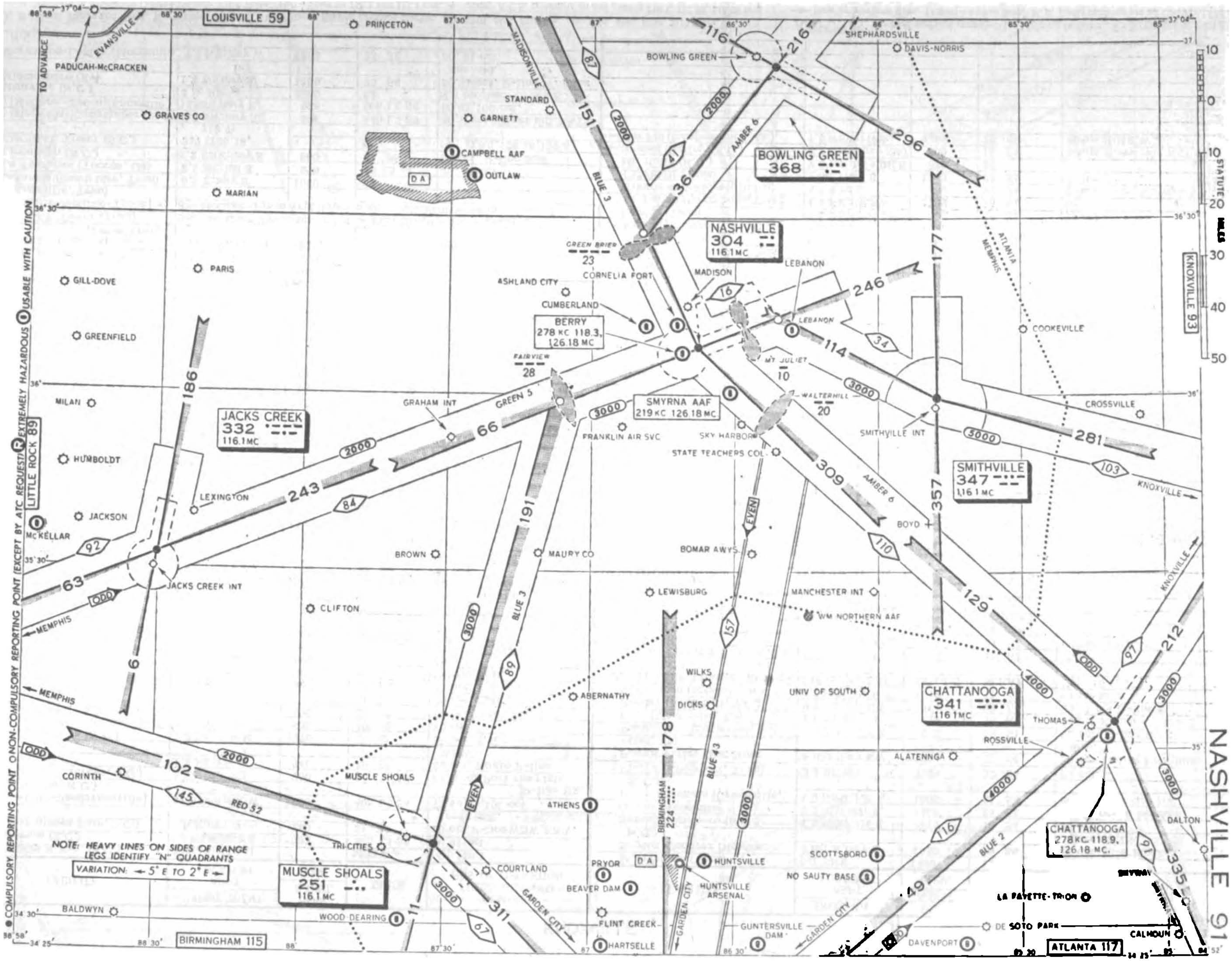
LOCATION	LC/LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BERRY	109.9		14°	IM-	MM- ·—·—(0.81)	OM- — — (5.7)
					MMK-356 ·—···	OMK-375 ···—
SMYRNA AAF (A)	109.5	332.6	230°	IM- (0.04)	MM- ·····(0.81)	OM- — — (4.31)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Greenfield (Tenn)	2 SSW;riv S	410	35 S1	80 oct.P-line N NW—
Moody(Oneonta,Ala)	1.5 NE;hwy 0.5 NW	790	18 S4	80 oct.Soft when wet blkd,
Abington (Beebe,Ark)	1.5 WSW;RR S	300	24 S1	30 oct.P-line SE,N,NE,
Princeton (Cedar Bluff)	4 SSW;hwy S	400	25 S1	80 oct.Trees SW.(Ky)
Standard (Elkton,Ky)	0.5 SW;hwy N	540	22 S1	80 oct.Water tank E of N
Marian (Hazel, Ky)	3 2 N;hwy E	532	21 S1	80 oct.Poles E,NE. end
Davis-Norris (Glasgow)	1 4 WSW;hwy SE	760	20 S1	91,80 oct.Muddy. strip
Skyway (Calhoun,Ga)	4.5 N;RR E	730	15 S1	80 oct.
Tri-Cities (Tuscumbia,Ala)	1.2 SW;hwy .5 ENE	500	26 S4	80 oct.
Alatennga (Bridgeport,Ala)	3 NNW;hwy SE	650	20 S4	80 oct.P-line NE.
→ Humboldt (Tenn.)	2.8 ESE;hwy SW	380	18 S1	80 oct.SW blkd.
→ Scottsboro (Ala)	2 NNE;RR SE	666	19 S1	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Secopd Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


NASHVILLE 91
LOUISVILLE 59
LITTLE ROCK 89
BIRMINGHAM 115
ATLANTA 117
KNOXVILLE 93
PADUCAH-McCRACKEN
EVANSVILLE
TO ADVANCE
PRINCETON
MADISONVILLE
STANDARD
GARNETT
GRAVES CO
CAMPBELL AAF
OUTLAW
MARIAN
BOWLING GREEN
SHEPHARDSVILLE
DAVIS-NORRIS
BOWLING GREEN 368
NASHVILLE 304 116.1 MC
GREEN BRIER
CORNELIA FORT
ASHLAND CITY
CUMBERLAND
MADISON
LEBANON
BERRY 278 KC 118.3, 126.18 MC
FAIRVIEW
MT JULIET
WALTERHILL
COOKEVILLE
CROSSVILLE
SMYRNA AAF 219 KC 126.18 MC
FRANKLIN AIR SVC
SKY HARBOR
STATE TEACHERS COL
SMITHVILLE INT
SMITHVILLE 347 116.1 MC
JACKS CREEK 332 116.1 MC
GRAHAM INT
GREEN 5
PARIS
GILL-DOVE
GREENFIELD
MILAN
HUMBOLDT
JACKSON
McKELLAR
LEXINGTON
JACKS CREEK INT
MEMPHIS
CLIFTON
BROWN
MAURY CO
BOMAR AWYS
LEWISBURG
MANCHESTER INT
WM NORTHERN AAF
WILKS
DICKS
ABERNATHY
UNIV OF SOUTH
CHATTANOOGA 341 116.1 MC
THOMAS
ROSSVILLE
ALATENNGA
CHATTANOOGA 278 KC 118.9, 126.18 MC
DALTON
CORINTH
MUSCLE SHOALS
TRI-CITIES
ATHENS
COURTLAND
PRYOR
BEAVER DAM
WOOD-DEARING
FLINT CREEK
HARTSELLE
HUNTSVILLE
HUNTSVILLE ARSENAL
SCOTTSBORO
NO SAUTY BASE
GUNTERSVILLE DAM
DAVENPORT
LA FAYETTE-TROUP
DE SOTO PARK
CALHOUN
BALDWYN
MUSCLE SHOALS 251 116.1 MC
BIRMINGHAM 224
GARDEN CITY
ATLANTA MEMPHIS
BLUE 2
BLUE 3
BLUE 43
AMBER 6
GREEN 5
RED 52
EVEN
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 5° E TO 2° E
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ANDERSON H Fac. (S.C.)	236(AS)(116.1)		MHTV	(4); 116.1
Anderson (S.C.)	4.5 WSW;hwy S	783	50h L5 S6	80,91 oct.
Ashley (Honea Path, S.C.)	1.5 E;hwy N	780	21 S2	80 oct.P-line WNW,NNW; trees SSE.
(P) [Asheville-Hendersonville] (Asheville, N.C.)	11.5 SSE;RR W	2090	40h L5 S4	73,80,91,100 oct. P-line NE.
(P) Barksdale (Laurens, S.C.)	2.8 E;RR NE	700	30 L S6	73,91 oct.Port rnwy lgts.
Belmont (N.C.)	1.3 NE;riv E	740	20 S6	80 oct. No sto.P-line WNW.
Black Mountain (N.C.)	1.8 SW; RR N	2270	25 S2	80 oct. Soft.Trees E,W.
Bridges (Kings Mountain,N.C.)	1 SW;RR SE	930	17 S2	80 oct.
Bridges Arpk (Shelby, N.C.)	3.3 NE;lake W	975	18 S6	80 oct.Trees SSW,ESE.
Bristol (Va)	3 NE		18 S1	80 oct. Data unver.
Brockenbrough (Derita,N.C.)	3.8 WNW;RR E	800	22 S6	80 oct. P-line SSE.
Burris (Lincolnton, N.C.)	2.2 SW;RR SE	960	10	UNUSABLE.
Byers (Shelby, N.C.)	3 SE;RR SW	875	16 S4	80 oct.
Cannon (Charlotte, N.C.)	3 WNW; hwy S	788	24 L S6	80,91 oct.Flood lgts on req
CHARLOTTE Range (Douglas) (N.C.)	212 (CF)(116.1)	359°,1.7	BMLZ-DTV	(3); 116.1
Chesnee (S.C.)	2 S; RR W	910	18	PRIVATE.
(P) Chester (S.C.)	5 NNE; RR W	709	50h S4	80 oct. No sto.
Chilhowie,29B,NA-WA (Va)	3.9 SE;riv N,SW	2100	34 L3 S4	80 oct.P-lines SW,NE.
Coulbourn (Lancaster, S.C.)	1 SSW;hwy SW	560	32 S4	80 oct.
DOUGLAS Tower (N.C.)	396 (126.18,118.9)		C	(4); 126.18,118.9,122.5
(P) [Douglas](Charlotte, N.C.)	5.5 W;RR N	745	52h L5 S6	80, 91 oct.
Elkin (N.C.)	2.8 SW;RR NNW	1100	24 S2	80 oct. Rnwy data unver.
→ Fairforest (Spartanburg,S.C.)	5.8 WNW;rd W	830	23 S6	80,91 oct.
Francis Marion (Marion,N.C.)	2.5 NE;PP N	1450	19 S6	80 oct. Hill E
Franklin (N.C.)	1.2 ESE;riv W	1996	28 S2	80 oct.
Galax (Va)	6.5 S;hwy E	2575	27 S4	80 oct.
Gastonia, mun. (N.C.)	4.5 SSE;hwy SW	800	30h L S1	80,91 oct. Port rnwy lgts on req.
GREENVILLE Range (S.C.)	281(GC)(116.1)	2°,1.9	BMLZ-DTV	(4);116.1,122.1
[Greenville] (S.C.)	3.2 E;RR SE	1015	42h L5 S6	80,91 oct. 100 oct. in emerg. No bndry lgts.
GREENVILLE AAB Tower (S.C.)	272 (126.18)+		CA	(3); 126.18
(A) Greenville AAB (S.C.) (A)	7.5 SSE;hwy W	959	55h L5 S6	73,100 oct. JP-1. No sto.
H & H Flying Service (Brevard, N.C.)	1.5 ENE;riv S RR N	2140	20 S1	80 oct. P-line WNW.
Hendersonville (N.C.)	1.5 ESE;hwy SW	2200	30 S6	80, 91 oct. SE blkd.
Hickory (N.C.)	2.2 W;RR S	1180	40h S6	80, 91 oct.
Island (Knoxville, Tenn)	2.5 E	831	43 S6	80,91 oct.
Jasper (Ga)	1 N;RR W	1935	17 S2	80 oct.
Johnson City (Tenn)	3.8 NE	1560	21 S6	81 oct. No sto.
Josephson (Asheville, N.C.)	3 W;riv E	2200	20 S1	80, 91 oct.
King Field (Clemson, S.C.)	2.4 ENE;RR NW	900	20 S4	80 oct. Trees N.
Kings Mountain (N.C.)	3.5 SW;RR SE	980	23 S2	80, 91 oct.
KNOXVILLE Range (McGhee Tyson)Tenn.	257 (KX)(116.1)	192°,2.8	SBRAZ-DTV	(3); 116.1, 122.1
KNOXVILLE Tower (Tenn)	See Mc-Ghee Tyson under "New Facilities" - name changed			
(P) [Knoxville-McGhee-Tyson] (Knoxville, Tenn)	See McGhee-Tyson Arpt listed in alphabetical order-name changed			
Lakeside (Dandridge, Tenn)	6.5 E;hwy S	1000	23	
(P) Le Tourneau (Toccoa, Ga)	2.5 NE;RR S	950	49 L3 S4	80, 91 oct
Lincolnton (N.C.)	3.2 ENE;hwy S	960	23 S6	80 oct. P-line SSW
MEMORIAL Tower (S.C.)	317 (126.18, 118.7)		C	(4); 118.7,126.18,122.5
(N,P) [Memorial] (Spartanburg,S.C)	2.5 SW;hwy SE	804	44h L5 S6	80,91 oct.100 oct.mil.NATS.
(P) [McGhee-Tyson](Knoxville)	12 SSW;hwy E	988	50h L6 S6	80,91,100 oct.
Micaville (N.C.)	1 S; RR W	2500	21	N,S blocked. Creek E.
Middlesboro (Ky)	1.2 W; hwy S	1150	23 S6	80,91 oct. P-line W. Mtns sur. fld.
Morganton-Lenoir (Morganton, N.C.)	7.5 NE;hwy W	1253	33 S2	80, 91 oct.
Morristown (Tenn)	5.7 ENE	1400	19 S1	73 oct.
Newton-Conover (Newton, N.C.)	2 N;RR,hwy E	1030	15 S6	80 oct. NNE blocked. Trees ENE.
North Wilkesboro (N.C.)	1.3 WSW;riv S	970	15 S4	80 oct.
Owens (Asheville, N.C.)	2.3 SSW;RR E	1988	25 S6	80, 91 oct. E blocked.
Paris Mountain (Greenville, S. C.)	4.2 NNW;RR E	1006	21 S6	80 oct. Pwr line NW.
Pierce (Kingsport, Tenn)	3 S;RR NW	1210	22 S6	80 oct.
Powell Valley (Big Stone Gap, Va)	4 ESE;hwy NW	1700	25 S4	80 oct. P-line ENE;hills W.
Pulaski Co. (Sumerset, Ky)	3.5 SSW;hwy E	675	16 S1	80 oct. P-line E,W.
Rice (Monticello, Ky)	1.8 NE;hwy W	920	18 S2	80 oct.F-line W.Mtns E.
Roddey (Rock Hill, S.C.)	2.7 SW;RR NW	664	28 S4	80,91 oct.P-line S.
Rutherford (Spindale, N.C.)	1.5 SSE;RR N	1012	17 S4	Trees NNW.
SPARTANBURG Range (Memorial) (S.C.)	248 (SU)(116.1)	58°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
Spindle City (Gastonia, N.C.)	3.2 E;RR N	795	19 S2	80 oct.
Statesville (N.C.)	4.5 WSW; RR SE	990	27 S2	80 oct. Trees N.
Sylva (N.C.)	2.4 NE;riv SW	2039	23 S2	80 oct.
TRI-CITY Range (Tenn)	221 (TI)(116.1)	252°,3.3	SBMRAZ-DTV	(3);116.1,122.1
TRI-CITY Tower (Tenn)	278(118.7)		C	(4); 118.7,122.5,126.18
(P) [Tri-City] (Bristol,Tenn)	14.5 SW	1518	45h L5 S6	80, 91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

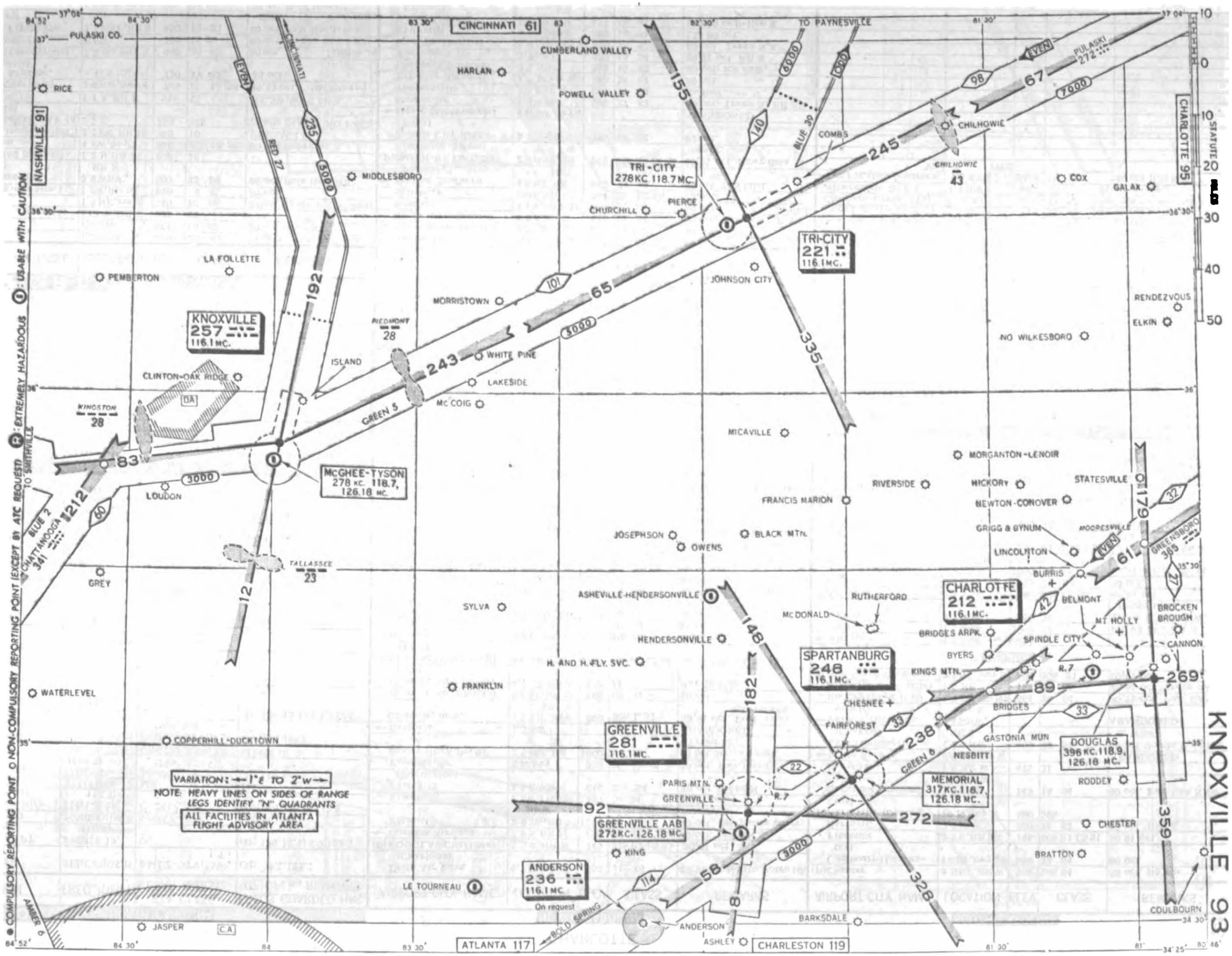
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
Mc-GHEE TYSON	110.3	335	44°	MM- ·-·- (0.61)	OM- — — (4.34)
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-

NEW FACILITIES

Combs (Bristol,Va)	3 NE	1865	20 S6	80 oct.P-line N.
McDonald (Spindle,N.C.)	1.2 SSE;hwy W	1000	20	Trees S.
Mc-GHEE TYSON Tower (Tenn)	278 (126.18, 118.7)		C (ILS)	(4);118.7,126.18,122.5
Harlan (Dillon,Ky)	0.5 E;RR N	1150	21 S1	80 oct.Pole E. Ctn.Mtns
Riverside Arpk (Morganton,N.C.)	2 W;riv NE	1020	22 S2	80 oct.Mtn E.
Rendezvous (Jonesville,N.C.)	1 E;riv N	1000	22 S1	80 oct.NW blkd.
Bratton (Chester,S.C.)	1.4 SE;RR SW	550	17 S2	80 oct.Emerg. only.
Copperhill-Ducktown	2.5 NE	1700	15	(Copperhill, Tenn)
Waterlevel (Cleveland,Tenn)	3 SSE;hwy N	800	20 S1	80 oct. N,S blkd.
Grey (Athens, Tenn)	2.2 N;RR E	691	23 S4	80 oct.
Pemberton(Glenmary,Tenn)	0.8 NNE;RR W	1370	18	E.W blkd.
White Pine (Tenn)	0.5 S;hwy E	1160	18 S1	80 oct.
Mc Coig(Newport, Tenn)	5 W;hwy N	1330	16	P-line E.
London (Tenn)	1.8 WSW;riv 1 N	800	14 S1	80 oct
La Follette(Jacksboro,Tenn)	1.5 NE;RR NW	1129	18 S1	80 oct
Clinton-Oak Ridge(Clinton)	4.6 S;rd S	860	20 S4	80 oct.P-line WSW;ENE blkd.
Churchill (Tenn)	1 SE;riv 1 S	1240	22 S1	80 oct. (Tenn)
Mt. Holly (N.C.)	2.5 NW;hwy,RR E	850	20	
→ Nesbitt (Gaffney,S.C.)	2.1 WNW;hwy SE	800	15 S1	80 oct.E,erg only.NNE blkd.
→ Cox Fld (Independence,Va.)	4.5 WSW;riv S	2459	16 S2	80 oct.Hill E,W.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (f) - 3105, 4495, 6210 kcs. (4) - 3185, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


KNOXVILLE 93
CINCINNATI 61
CHARLOTTE 95
NASHVILLE 91
ATLANTA 117
CHARLESTON 119
TO PAYNESVILLE
TO SMITHVILLE
PULASKI CO.
RICE
HARLAN
CUMBERLAND VALLEY
POWELL VALLEY
MIDDLESBORO
CHURCHILL
PIERCE
COMBS
CHILHOWIE
COX
GALAX
LA FOLLETTE
PEMBERTON
MORRISTOWN
JOHNSON CITY
RENDEZVOUS
ELKIN
NO WILKESBORO
PIEDMONT
28
ISLAND
WHITE PINE
LAKESIDE
MC COIG
CLINTON-OAK RIDGE
KINGSTON
28
LOUDON
TRI-CITY
278KC 118.7MC.
TRI-CITY
221
116.1MC.
KNOXVILLE
257
116.1MC.
McGHEE-TYSON
278 KC. 118.7,
126.18 MC.
MICAVILLE
MORGANTON-LENOIR
RIVERSIDE
HICKORY
STATESVILLE
NEWTON-CONOVER
FRANCIS MARION
JOSEPHSON
OWENS
BLACK MTN.
GRIGG & BYNUM
MOORESVILLE
LINCOLNTON
BURRIS
GREENSBORO
GREY
TALLASSEE
23
SYLVA
ASHEVILLE-HENDERSONVILLE
RUTHERFORD
MC DONALD
CHARLOTTE
212
116.1MC.
BELMONT
MT. HOLLY
BROCKEN
BROUGH
CANNON
BRIDGES ARPK.
SPINDLE CITY
BYERS
KINGS MTN.
HENDERSONVILLE
H. AND H. FLY. SVC.
FRANKLIN
SPARTANBURG
248
116.1MC.
CHESNEE
BRIDGES
FAIRFOREST
GASTONIA MUN
NESBITT
DOUGLAS
396 KC. 118.9,
126.18 MC.
RODDEY
WATERLEVEL
COPPERHILL-DUCKTOWN
GREENVILLE
281
116.1MC.
PARIS MTN.
GREENVILLE
MEMORIAL
317KC. 118.7,
126.18 MC.
GREENVILLE AAB
272KC. 126.18 MC.
CHESTER
BRATTON
KING
ANDERSON
236
116.1MC.
On request
LE TOURNEAU
BOLD SPRING
ANDERSON
ASHLEY
BARKSDALE
COULBOURN
JASPER
CA
VARIATION: 1°E TO 2°W
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA
● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
① : USABLE WITH CAUTION
② : EXTREMELY HAZARDOUS
CHATTANOOGA 341
BLUE 2
AMBER 6
GREEN 5
GREEN 6
RED 27
BLUE 39
EVEN
CINCINNATI
PULASKI 272
155
140
8000
6000
98
67
7000
245
43
235
5000
192
101
65
3000
243
335
83
3000
1212
60
12
92
272
148
182
114
58
8
328
98
67
42
89
238
269
359
61
179
32
27
33
22
R.7
STATUTE
10
0
10
20
30
40
50

CHARLOTTE

NORTH CAROLINA

LOCATION	FREQ..IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-DTV;359°, 1.7	(3): 116.1,122.1
DOUGLAS ARPT. (Charlotte)	396(126.18, 118.9)	C	(4): 126.18,118.9,122.5
GREENSBORO	365(GW)(116.1)	SBRAZ-DTV	(3):116.1,122.1
Greensboro-High Point Airport	219(126.18, 118.7)	C: 241°, 1.5	(4):118 7,126 18,122.5
LUMBERTON	278(FNE)	MH	(3)
POPE (Ft. Bragg) (Army)	338(DOP) (116.1)	SBMRAZ-V ;355°.2.3	(3): 116.1
Pope Field	396(126.18)+	CA(ILS):355°, 2.3	(3):126.18
RALEIGH (Raleigh-Durham Arpt.)	350(DU)(116.1)	SBRAZ-DTV(ILS) 299°, 3.8	(3):116.1.122.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18, 118.3)	C	(4): 126.18,118.3,122.5
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	MRLWZ;328°, 5.1	

SOUTH CAROLINA

FLORENCE	320(FL)(116.1)	SBMRLZ-DTV, 292°,1.7	(4):116.1.122.1

VIRGINIA

DANVILLE	344(VE)(116.1)	MHTV	(4):116.1 (Manned 8-24)
PRESTON GLENN (Lynchburg)	248	C	(4)
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-DTV, 247°, 2.1	(4): 116.1
ROANOKE (Woodrum Field)	371(ROI)(116.1)	SBRAZ-DTV, 349°,2	(3): 116.1
WOODRUM FIELD (Roanoke)	278 (118.5)	AC	(4): 122.5,118.5,126.18

NEW RADIO FACILITIES

→ RALEIGH-DURHAM (Raleigh),N.C.	272(126.18, 118.3)	C	(4):126.18, 122.5,118.3

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
POPE(A)				**DECOMMISSIONED**
RALEIGH,	109.9	333.8	48°	IM- MM- ·—— (0.62) OM- ——(4.43)
				MMK- OMK-
				IM- MM- OM-
				MMK- OMK-
				IM- MM- OM-
				MMK- OMK-

S-Simul Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice

\+ Army A C S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W,RR N	450	25 S2	80 oct E,SE,W,NW blocked
Asheboro	1.8 SSW	864	18 S2	80 oct. Hwy NW.
(A)Balloon (Ft.Bragg)(A)	1 NNW,RR E	225	22	
Belmont	1.3 NE,riv E	740	20 S6	80 oct.No sto.P line WNW
Bridges(Kings Mtn.)	1 SW,RR SE	930	4 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW, RR E	800	22 S6	80 oct.Pole line SSE.
Brooks(Red Springs)	1.2 N.RR SE	208	26	
(P)Burlington	4 SW,hwy W	638	37h L5 S6	80 oct.Pole line S.
Burris(Lincolnton)(NC)	2.2 SW,RR SE	960	10	UNUSABLE.
(A)Camp MacKall AAF (A) (Hoffman)	3.5 E	350	50h	TEMP INACT. NO FACS.
→ Candor (NC)	1.1 E,RR N	710	19	NE,SW,WNW blkd.
Cannon (Charlotte)	3 WNW,hwy S	766	24 L S6	80,91 oct.Flood lgts req
Carolina Arpk Inc. (Kannapolis)	1.5 S;RR	730	19 S3	80 oct.
Caswell (Yanceyville)	3.2 W;hwy E	640	20 S2	80 oct. line W. S
Cpley (Concord)	2 SW,	790	12 S2	80 oct. Trees ESE.Twr
Colonial Flying Svc. (Mt. Airy)	1.4 NNE,RR S	950	15 S1	80 oct,Pole line,trees NNW.
Concord	4.5 ESE,rd E,S	700	15 S6	80 oct,Pole line NE.

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing (See page 111) NC-(not charted) → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delta Air Base (Charlotte)	6.7 E,hwy S	750	31 S6	80,91 oct.No sto.Poles NW
(P) DOUGLAS(Charlotte)	5.5 W,RR N	745	52h R2 L5 S5	80,91 oct.
→ Durham Airways	7.8 N,RR 2E	480	15 S6	80 oct. Trees N,S.
Elkin	2.8 SW,RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Erwin	1 SW,riv SW	195	30 S4	80,91 oct.
Fairchild (Burlington)	1.5 E,RR S	640	35h S4	80 oct.Trees N
Fayetteville	5 N,hwy E	238	36 L1 S6	80 oct. Pwr line E.
Fraley (High Point)	2.5 SSE,RR W	1000	17 S6	80 oct.Strips rough. Trees SE.
→ Gastonia	1.3 SW			ABANDONED
Gastonia, mun.	4.5 SSE,hwy SW	800	30h L S1	80,91 oct. Port. rnwy lgts on req.
Gilmore No. 1(Julian)	0.6 SE,RR N	760	10 S1	80 oct.
Gilmore No.2 (Silver City)	4.1 SE,RR W	550	22	Pwr line SSE.
(N) GREENSBORO-HIGH POINT	8 WNW,RR SW	905	40h R2 L5 S6	80,91,100 oct.NATS
Hickory	2.2 W,RR S	1180	40h S6	80,91 oct.
Hogan (Chapel Hill)	3.8 NW;hwy E	530	20 S2	80 oct.Trees SSE.
Horace Williams (Chapel Hill)	1.3 NNW,RR W	502	49 S4	80 oct.
→ Kannapolis	2.8 N,RR E	750	23 S6	80,91 oct.Trees WNW.
Kings Mountain	3.5 SW,RR SE	980	23 S2	80,91 oct.
Knollwood (Pinehurst)	5 NE,hwy W	455	53 L5 S4	80,91 oct.
Laurinburg-Maxton (Maxton)	3.5 N,riv E	220	65h L5 S6	80,91 oct. No flood lgts. Data unver. Lgts on req.
Lee County (Sanford)	1.5 SE,RR E	400	19 S4	80 oct.No sto.Pwr line sur fld.
Lexington	2.3 SW,RR E	735	21 S1	80 oct.Pole lines SSW.
Lillington	1.1 NNE,RR S	210	15 S2	80 oct.Pole line NW.
(P)Lumberton	3 WSW	126	50h R1 L2 S6	80,91,100 oct.Hwy NNW.
McLean Brothers (Gibsonville)	0.5 SW,hwy NE	723	18 S6	80 oct,
→ Mayo (Mayodan)	0.8 W,riv E	900	24 S2	80 oct.P-line N,S.Trees W
Mocksville	2 W,RR E	800	14 S2	80 oct.
Monroe, com.	2.8 SSE	600	20 S2	80 oct.
Monroe, mun.	2 NNW,hwy S	680	29 S4	80,91 oct, P-line SE,SSW, WSW
Mt. Airy	2.2 SW,RR E	1050	20 S2	80 oct,
Newton-Conover (Newton)	2 N; RR, hwy E.	1030	15 S6	80 oct. NNW blkd. Trees ENE.
North Wilkesboro	1.3 WSW,riv S	970	15 S4	80 oct.
Parkers (Eagle Spgs)	1.8 NW,RR	700	40 S1	80,91 oct.SW blkd.
Pharis (Durham)	8.1 NE,RR E	310	26 S4	80,91 oct. Pole line, trees NE,WNW,SW.
Pine Acres (Laurinburg)	3.1 SW,RR NNE	205	12 S1	80 oct.
Plaza (Charlotte)	5 NE,RR N	740	20 S6	80 oct.P-line S
(A)Pope (Ft.Bragg)(A)	2 NW,riv NW	220	52h R3 L5 S6	73,100 oct
Raleigh	3.3 SSW,RR W	364	28h S6	80,91 oct.
RALEIGH-DURHAM (Raleigh)	10.5 NW,RR W	435	45h R3 L6 S4	80,91,100 oct
Reidsville	3.2 SE,riv S	822	25 S6	80 oct.
(P)Rockingham-Hamlet	3.5 S,RR E	358	46 S2	80 oct.
→ Routh (Greensboro)	3.3 S,RR E	840	18 S4	80 oct. Trees NE,E,SW blkd.
Roxboro	7 NE,RR 2.3W	600	21 S2	80 oct.
Salisbury	3 SW,RR E	764	25 L2 S6	73 oct.
→ Skyline (Southern Pines)	4.5 NE,RR NW	460	21 S6	80 oct N.S blkd.
(P)SMITH-REYNOLDS (Winston-Salem)	2.8 NNE,RR W	969	67h R2 L5 S6	80,91 oct. Rnwy data unver.
Spindle City (Gastonia)	3.2 E;hwy E	795	19 S2	80 oct.
→ Stanly (Albermarle)	6 WNW,hwy S			ABANDONED
Statesville	4.5 WSW	990	27 S2	80 oct. Trees N. RR SE.
Thomasville	3.5 ESE,	860	14 S2	No fuel. Twr N.
Tri-City (Draper)	1.2 W,riv W	560	26 S2	80 oct.
Upchurch(Raeford)	0.5 NNE	255	15 S2	80 oct. RR SSW.
Wadesboro	3.7 NNE	220	18 S4	80,91 oct. RR S
Warf (Reidsville)	3.8 SW,hwy W	820	23 S2	80 oct. Trees N,S.
Whiteville	3.7 S,RR N	60	18 S1	Ltd 80 oct.
Young Airfield (Oxford)	1.8 SW,RR NW	475	18 S1	Ltd 80 oc P-line E

SOUTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Chester	5 NNE,RR W	709	50h S4	80 oct. No sto.
Coulbourn (Lancaster)	1 SSW,hwy SW	560	32 S4	80 oct.
Florence	3.5 E,RR SW	146	60h R1 L5 S1	80,91 oct.
Hartsville	2.1 NNE,	230	25 S2	80 oct. Hwy S.
(P)Hartsville (Darlington)	10 N,hwy E	190	50h	
Huggins (Timmonsville)	1.5 ENE, hwy NW	149	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S,RR W	475	21	
→ Little Rock	2.5 SE,hwy W			ABANDONED
Lynch Bellinger (Cheraw)	4.2 WNW, RR S	400	22 S4	80 oct.No sto.Pole line S, WSW.
→ Palmer (Bennettsville)	3.4 NNW, hwy E			ABANDONED
Roddey (Rock Hill)	2.7 SW,RR NW	664	28 S4	80,91 oct. Pole line S.
Rowe (Bennettsville)	1.5 NE	190	29 S5	80,91 oct. Trees SW.
(P)Woodward (Camden)	2.9 NE,hwy E	300	30h S1	80,91 oct.

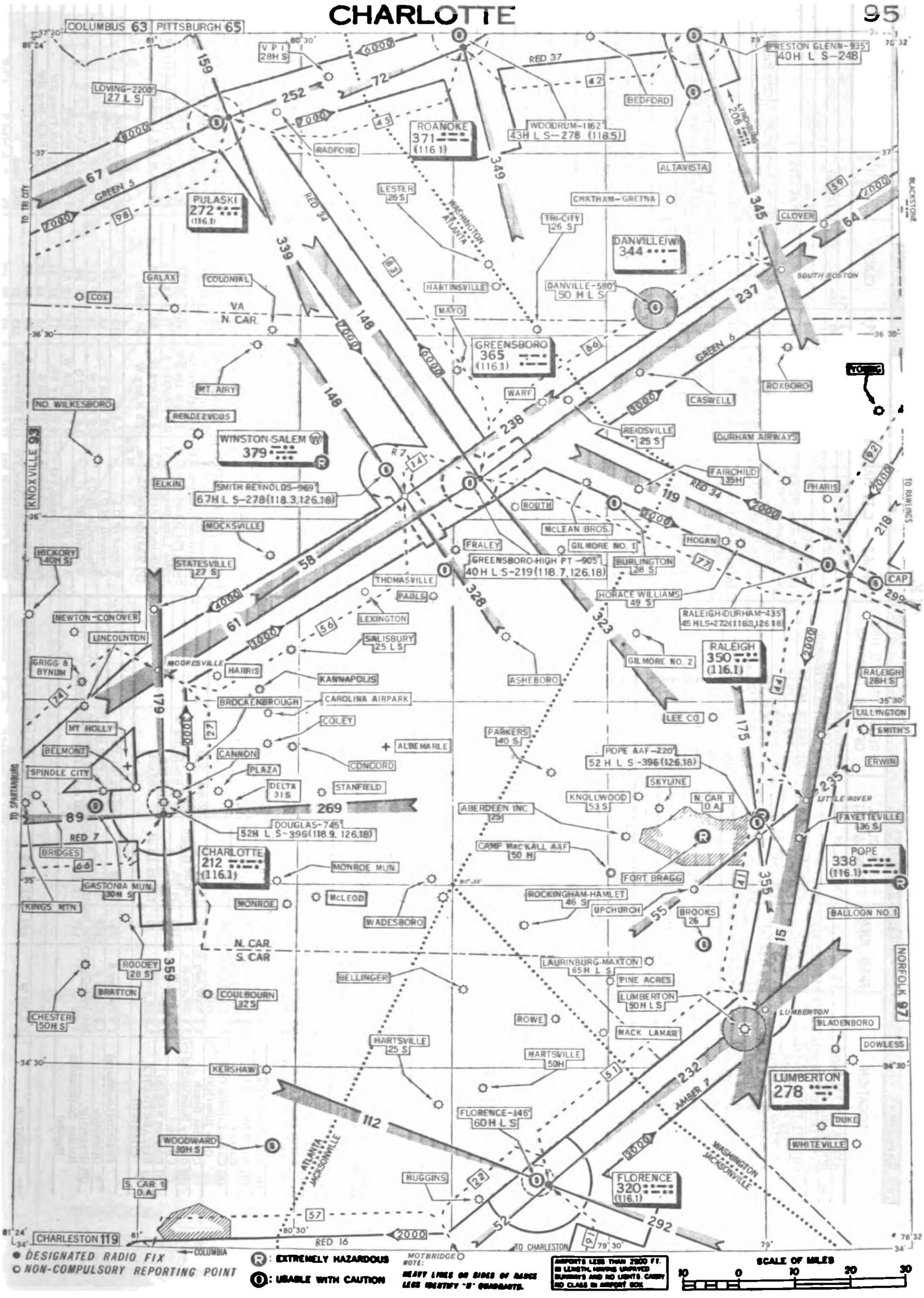
VIRGINIA

→ Altavista	5.7 ENE;riv 2S	650	21	
Bedford	1.3 WSW,	1050	16	PRIVATE. RR N
Clover	3.5 SSW. riv E	350	20	Trees E,W,SE,NW. House E,SE.
(P)Danville	3.4 ESE	580	50h L5 S6	80,91 oct.
Galax	6.5 S,hwy E	2575	27 S4	80 oct.
Lester (Martinsville)	0.8 NNW, RR N	1000	24 S6	80,91 oct.20-75' bldgs SE.
Loving, 35A, NAWA (Pulaski)	2.8 N,RR SE	2200	27 R1 L3 S4	80 oct. Poles SW.No sto.
Martinsville	3.5 SSE, RR NE	800	16 S2	73 oct.
(P)PRESTON GLENN (Lynchburg)	6.7 SSW, RR SE	935	40h R2 L5 S6	80, 91 oct.
V.P.I. (Blacksburg)	1.3 SSE,RR W	2100	50h L S6	80,91 oct, Flood lgts only 100 oct army.
(P)WOODRUM (Roanoke)	4.2 NNW	1162	43h R2 L5 S6	80,91,100 oct. Rd W.

NEW AIRPORTS

Harris (Mooresville) (N.C.)	2.5 ESE; RR NW	900	14 S2	80 oct.
Mc Leod (Wingate)(N.C)	1.5 SE; RR N	365	22 S2	80 oct No sto
Davis Air Park (Thomasville,N C)	6.5 SSE	775	26	80,91 oct
Cap (Raleigh,N.C.)	3.5 NNE; RR E	460	35 S6	80,91 oct.High trees S, SW approchs.NNE blkd.
Duke Fld (Chadbourn, N.C.)	1 N;RR SW	96	20 S4	80 oct Trees N.S.
→ Radford, (Va.)	1 SW;RR N,W	1950	18 S1	80 oct.P-line W
Grigg & Bynum Arpk (Maiden,N.C.)	2.5 S;hwy W	795	18	
Stanfield (N.C.)	1.3 N;hwy E	700	18 S2	80 oct.
Lincolnton (N.C.)	3.2 ENE	1500	30 S6	80 oct, P-line SSW
Rendezvous(Jonesv'l)	1.0 E;riv N	1000	22 S	80 oct. N W blkd. (N.C)
Bladenboro (N.C.)	0.7 NE;RRW	110	24 S2	80 oct.
Smith's (Coats,N.C.)	1 N;RR	288	13 S2	80 oct, P-line SSE,NNW
Dowless(Abbotsburg)	0.2 N;RR S	99	24 S	80 oct, SE, WSW blkd.
Mack Lanier(Clio,S.C)	2.3 NE	172	21 S2	80 oct,E,SE blkd. (N.C)
Chatham-Gretna (Va)	6 SE;ditch E	550	24 S2	80 oct Trees ENE,WSW,W
Albermarle (N.C.)	1.7 NW	565	37	Data unver
→ Cox Fld.(Independence, Va.)	4.5 WSW; riv S	2459	16 S2	80 oct.Hill E,W

CHARLOTTE


COLUMBUS 63
PITTSBURGH 65
VPI 28H S
LOVING-2200' 27 L S
PRESTON GLENN-935' 40H L S-248
RED 37
BEDFORD
ROANOKE 371 (116.1)
WOODRUM-1162' 43H L S-278 (118.5)
RADFORD
ALTAVISTA
LYNCHBURG 206
PULASKI 272 (116.1)
GREEN 5
RED 34
LESTER 26 S
WASHINGTON ATLANTA
CHATHAM-GRETNA
TRI-CITY 26 S
DANVILLE(W) 344
CLOVER
SOUTH BOSTON
BLACKSTONE
TO TRI CITY
GALAX
COLONIAL
COX
VA
N. CAR.
MARTINSVILLE
MAYO
DANVILLE-580' 50 H L S
GREENSBORO 365 (116.1)
GREEN 6
ROXBORO
CASWELL
WARF
MT. AIRY
NO. WILKESBORO
RENDEZVOUS
WINSTON-SALEM (W) 379
REIDSVILLE 25 S
DURHAM AIRWAYS
FAIRCHILD 35H
PHARIS
ELKIN
SMITH REYNOLDS-969' 67H L S-278(118.3,126.18)
ROUTH
McLEAN BROS.
GILMORE NO. 1
HOGAN
FRALEY
GREENSBORO-HIGH PT-905' 40H L S-219(118.7,126.18)
BURLINGTON 28 S
CAP
KNOXVILLE 93
MOCKSVILLE
HICKORY 40H S
STATESVILLE 27 S
THOMASVILLE
PABLS
HORACE WILLIAMS 49 S
RALEIGH-DURHAM-435' 45 H L S-272(118.3,126.18)
NEWTON-CONOVER
LEXINGTON
SALISBURY 25 L S
ASHEBORO
RALEIGH 350 (116.1)
GILMORE NO. 2
RALEIGH 28H S
LINCOLNTON
GRIGG & BYNUM
MOORESVILLE
HARRIS
KANNAPOLIS
BROCKENBROUGH
CAROLINA AIRPARK
LEE CO
LILLINGTON
SMITH'S
MT HOLLY
COLEY
PARKERS 40 S
BELMONT
CANNON
ALBEMARLE
CONCORD
POPE AAF-220' 52 H L S-396(126.18)
ERWIN
SPINDLE CITY
PLAZA
DELTA 31S
STANFIELD
SKYLINE
KNOLLWOOD 53 S
N. CAR. 1 D.A.
LITTLE RIVER
ABERDEEN INC 25
FAYETTEVILLE 36 S
TO SPARTANBURG
DOUGLAS-745' 52H L S-396(118.9,126.18)
RED 7
BRIDGES
CHARLOTTE 212 (116.1)
MONROE MUN.
CAMP MACKALL AAF 50 H
POPE 338 (116.1)
FORT BRAGG
GASTONIA MUN. 30H S
KINGS MTN.
MONROE
McLEOD
WADESBORO
ROCKINGHAM-HAMLET 46 S
UPCHURCH
BROOKS 26
BALLOON NO. 1
N. CAR.
S. CAR.
RODDEY 28 S
BELLINGER
LAURINBURG-MAXTON 65H L S
PINE ACRES
LUMBERTON 50H L S
NORFOLK 97
BRATTON
COULBOURN 32 S
ROWE
MACK LAMAR
LUMBERTON
BLADENBORO
CHESTER 50H S
HARTSVILLE 25 S
HARTSVILLE 50H
DOWLESS
KERSHAW
LUMBERTON 278
FLORENCE-146' 60H L S
DUKE
WHITEVILLE
WOODWARD 30H S
ATLANTA JACKSONVILLE
WASHINGTON JACKSONVILLE
S. CAR 1 D.A.
HUGGINS
FLORENCE 320 (116.1)
CHARLESTON 119
RED 16
COLUMBIA
TO CHARLESTON
MOTBRIDGE
TO RAWLINGS
YORK
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
D: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF ALBERS EQUI-ISOTHERMAL CHARACTER.
AIRPORTS LESS THAN 2800 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS IN AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS. OF OPER., REMARKS
AYDLETTE FM (Navy)	(-)	FM; 64°, 14	Weeksville NAF
→ BOGUE MCAAF			DECOMMISSIONED
CAMP LEJEUNE OLF(New Riv.)	3295(142.74)	CN	3105.4495:142.74 (8-1630)
CHERRY POINT (Navy)	224 (NKT)	BMRLZ;141°,4.0	(3); 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN(GCA)	(3); 142.74 ,126.18
EDENTON FM (Navy)	(- - -)	FM; 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
MANTEO FM (Navy)	(- -)	FM; 139°,32	Weeksville NAF
NEW BERN FM (Navy)	(- - - -)	FM; 321°,13.6	Cherry Point MCAS
→ OAK GROVE MCAAF (Pollocksville)			DECOMMISSIONED
SOUTH MILLS FM (Navy)	(- - - -)	FM; 319°, 17.5	Weeksville NAF
WEEKSVILLE (Navy)	524(NFG)	MRL	(3);142.74(V- 7-19)
Weeksville NAF-LTA	3295 (142.74)	CN; 319°, 0.5	3105; 142.74 (8-1630)

VIRGINIA

BLACKSTONE	326(KT)(116.1)	BMLZ-DTV;133°,5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM; 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM; 276°, 16	Norfolk
LANGLEY FIELD (Army)	221(DLY)(116.1)	SBMRAPZ-DTV;102°,3.8	(3); 116.1
NORFOLK	239 (NW)(116.1)	SBMRLZ-DTV;44°,3.3	(3);116.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ; 276°,2.9	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h L S6	80,91 Oct. Flood lgts. T rees SE
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct.Fld lgts prior req.(Wilmington)
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	CLOSED.
Burgaw	1.2 W,hwy N,S	30	22 S1	80 oct, Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jacksonville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS (N)	2.5 SW,riv N	29	76h R2 (L6)S6	100 oct.
Clinton	2 N, hwy W	160	24 S6	80 oct.Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
(CG) ELIZABETH CITY CGAS (CG)	3.5 SE,riv NE	10	72h R1 L6 S4	100 oct.
Franklin(Louisburg)	2 WSW,hwy S	290	20 S4	80 oct. Hi-line S
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	See Pitt-Greenville under "New Airports"-name changed.			
Halifax Co.(Roanoke Rapids)	3 SW	147	18 S2	80 oct Trees ENE,NNW
→ Henderson	3 S,RR W	490	21 L S6	80,91 oct,Lgts prior req.Trees ESE, WNW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Jacksonville (NC)	3.7 NE,RR SE	51	14	
Kinston	4.2 NNW	93	50h	CLOSED
Mt. Olive	1.1 NE,RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Pollocksville) (N)	2.5 NW,riv S	27	40h	INACTIVE.
Peiffer(Wilmington)	6 ESE,hwy N	10	18 S6	80 oct.Poleline NNE,trees N,S,SW.
ROCKY MOUNT	2.3 N,RR E	114	40h S3	80 oct. Use rnways only.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E.
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	CLOSED.
SIMMONS-KNOTT	2.5 SSE	19	40h S1	80, 91 oct. (New Bern)
Tarboro	2 ESE,riv NNW	50	30 S6	80,91 oct.Flood lgts.P-line NNE,NE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct. No sto.
★ Warrenton Int,46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	See Warren Arpt under "New Facilities" - name changed			
(N) Weeksville NAF(LTA)	2.2 NE	7	37h R2 L S4	80-100 oct.
(P) Wilson (N)	4.2 NW,hwy E	161	45h S6	80 oct.
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct.No sto.Pole line S, SW.Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S2	80 oct.

VIRGINIA

Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone	2.5 ESE,hwy N	440	53h R1 L5	Rnwy lgts on req.ARMY TEMP INACT; CIVIL FACS.
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW. (NC)
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
Creeds	1.5 E,bay E	10	25h	
Emporia	3 E, hwy S	127	50h L5 S4	80,91 oct.
Hopewell	3.3 E,riv N	20	24 S6	91 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317	28 L3 S6	80,91 oct.
Petersburg	6.2 WSW,RR N	190	50h	
→ Scott (Williamsburg)	1.3 NNW,RR SW			ABANDONED
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29 S4	80,91 oct.20-60' trees NE,SW,W.(NC)

NEW AIRPORTS

Farmville	2.5 NW,riv N	325	20 S6	80 oct.Hill W.
(P) Pitt-Greenville, (Greenville,N.C.)	1.8 NNW;RRE	25	50h L3 S1	80.91 oct.Lgts on req.
Cape Charles (Va)	1.8 E;RR S	15	22 S2	80 oct,NW blkd,House SSE.
Roanoke Isl.(Manteo,N.C.)	1.5 NW;rd NE	12	33h L5 S4	80,91 oct.Lgts on req.Data unver.
Morehead City,(N.C.)	5 WNW;RR N	15	23 S4	80 oct.No sto.All appchs blkd.
→ Piney Grove (Kinston,N.C.)	2.1 SSW;riv NE			ABANDONED.
Smith Fld (Kinston,N.C.)	3.7 SW;riv NW	40	26 S4	80 oct,P-line ENE
White Lake Beach,(N.C.)	0.2 NW;lake S	75	18 S1	80 oct.No sto.(White Lake)E,W blkd.
Wilmington Arpk (N.C.)	3 SE;hwys N	20	27 S4	80 oct,N & E blocked.
(P) Warren (Washington, N.C.)	1.8 N,hwy W	38	50h	
Enfield (N.C.)	1.8 E	113	15 S2	80 oct.P-line SSW.
Creswell (N.C.)	0.5 N;RR S	15	19 S2	80 oct.S,SE blocked
Winterville (N.C.)	0.5 E;RR W	25	12 S1	80 oct.NW blocked.
Woodville (N.C.)	1.5 W;hwy S	15	20 S6	80 oct.S blocked.
Ayden (N.C.)	0.7 SSW;RR W	25	19 S1	80 oct.ESE blocked
Thalia(Va.Beach,Va)	8 W;hwy 5S	12	23 S1	80 oct.NE blkd.Trees SW
Roosevelt(Portsmouth,Va)	4.2 W;RR S	15	33 S6	80 oct.Tree SE.P-line NW
Portsmouth (Va)	7.8 WSW;RR S	20	35 S1	80 oct.Trees sur fld.Soft when wet.
Pennington(Brodnox,Va)	1.2 NWhwy NNE	325	21	NNE blkd.
Peanut City(Suffolk,Va)	2.8 N;hwys SE	40	25 S2	80 oct.SSW blkd.Trees NNE
Norview(Norfolk,Va)	4.5 NNE	16	24 S6	80 oct. P-line S.

NORFOLK 97

ALL FACILITIES IN WASHINGTON FLIGHT ADVISORY AREA

PITTSBURGH 65 | WASHINGTON 67

TO CHESTER

TO WASHINGTON

TO SOUTH BOSTON

FARMVILLE

BLACKSTONE 326 (116.1)

LANGLEY AAF 221 (116.1)

CAPE CHARLES

BUCKROE BEACH

CAPE CHARLES

NAS. NORFOLK 356

HOPEWELL

COLONIAL HGTS. 25 S

BACONS CASTLE

HAMPTON ROADS

WHITEHURST

BLACKSTONE - 440' 53 H

RAWLINGS

PETERSBURG 50H

ALBERTA

PENNINGTON

ECLIPSE 16

NORFOLK 239 (116.1)

DEEP CREEK 10

VA. 2 D.A.

FOR DETAILS IN THE NORFOLK AREA SEE CHART 141

LAWRENCEVILLE 28 L S

EMPORIA 50 H L S

HENDERSON

VA

N CAR

CREEDS 25 H

HALIFAX CO

SOUTH MILLS 18

BARCO 40H

AYDLETTE 14

WARRENTON 28 L

CGAS ELIZABETH CITY -10' 72 H L S-278 (142.74)

NAS. WEEKSVILLE 524

ENFIELD

WOODVILLE

VA. 2 D.A.

FRANKLIN

TARBORO 30 S

NAS. EDENTON 72 H

ROCKY MOUNT 40H S

SPIVEY

EDENTON 26

WILSON 45 H S

AVALON 28 S

PLYMOUTH

NAF. WEEKSVILLE -7 37H L S-3295 (142.74)

MANTEO 32

PITT-GREENVILLE 50H

CRESWELL

ZEBULON

ROANOKE IS. 33 H S

WARREN 50H

INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 10,000 FEET TO 18,000 FEET ABOVE SEA LEVEL WITHIN A 50 MILE RADIUS OF MCAS, CHERRY POINT.

WINTERVILLE

AYDEN

SELMA

GOLDSBORO 25 S

KINSTON

SIMMONS-KNOTT 40 H S

MCAS. CHERRY PT. 224

SMITH

MT OLIVE

CLINTON

SEYMOUR-JOHNSON AAF-80' 50 H

NEW BERN 14

N. CAR. 3 D.A.

MCAS. CHERRY POINT -29' 76H L S-3295 (142.74)

MCAAF. OAK GROVE -27' 40 H

WALLACE

CAMP LE JEUNE OLF -24' 50 H-3295 (142.74)

MCAAF. ATLANTIC 35 H

WHITE LAKE BEACH

BURGAW

MOREHEAD CITY

BEAUFORT-MOREHEAD CITY 43H

MCAAF, BOGUE 40 H

WASHINGTON OCEANIC CONTROL CENTER

JACKSONVILLE OCEANIC CONTROL CENTER

INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM SEA LEVEL TO 18,000 FEET.

BLUETHENTHAL 70H S

PEIFFER

WILMINGTON

CAROLINA BEACH

CHARLESTON 119

● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE: HEAVY LINES ON EDGE OF ALBERS EQUIVALENT "B" QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS

Ⓓ: USABLE WITH CAUTION

SCALE OF MILES

10 0 10 20 30

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BANNING FM	(-)	FM, 76°,25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°,41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (San Bernardino Co.)	365(DG)(vhf)	SBRAZ-VDT, 149°,0	(4);116.1.122.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°,16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°,11	Long Beach
LA HABRA FM	(. . -)	FM, 77°,21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°,42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, 118.3)	AC	(4);126.18,118.3, 122.5
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV, 298°, 3.9	(3);116.1.122.1
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV,244°3.8	(3):116.1.122.1
LOS ANGELES	109.1(LA)	BVAR; 88°,2.0	
MARCH FIELD (Riverside)	201 (126.18)+	CA ◆ :49,09	(3); 126.18
MIRAMAR MCAS (San Diego)	239(142.74)	CN(GCA)	(3); 142.74
MOJAVE NAS	3295(126.18, 142.74)		DECOMMISSIONED
MT. LAGUNA	254(TN)(116.1)	BHTV	(4); 116.1(Cont)
MUROC (Army)	350(DUC)	BMRL	
Muroc AAF	219 (126.18)	CA; 64°,2.2	(3); 126.18
NEWHALL (Int.)		SBMRL-DTV,317°,0.1	(4);116.1,122.1
OCEANSIDE	326(OC)(116.1)	BHTV	(4); 116.1(Cont)
OCEANSIDE FM	(- - - -)	FM, 325°,34	San Diego
PALMDALE	332(PA)(116.1)	SBMRAZ-DTV,216°, 2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105;142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Field)	388(RV)(vhf),	SBMRAZ-DTV, 127°,2.9	(4);116.1,122.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
SAN CLEMENTE ISLAND OLF.			DECOMMISSIONED
SAN DIEGO (Lindbergh Field)	224(SQ)(vhf)	SBRAZ-DTV,139°, 2.3	(3);116.1.122.1
San Diego NAS	266 (142.74)	CN	(3);126.18,142.74
San Diego NAS (Seaplane)	2870	CN	2870
TRONA (Int.)			DECOMMISSIONED
VICTORVILLE AAF	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

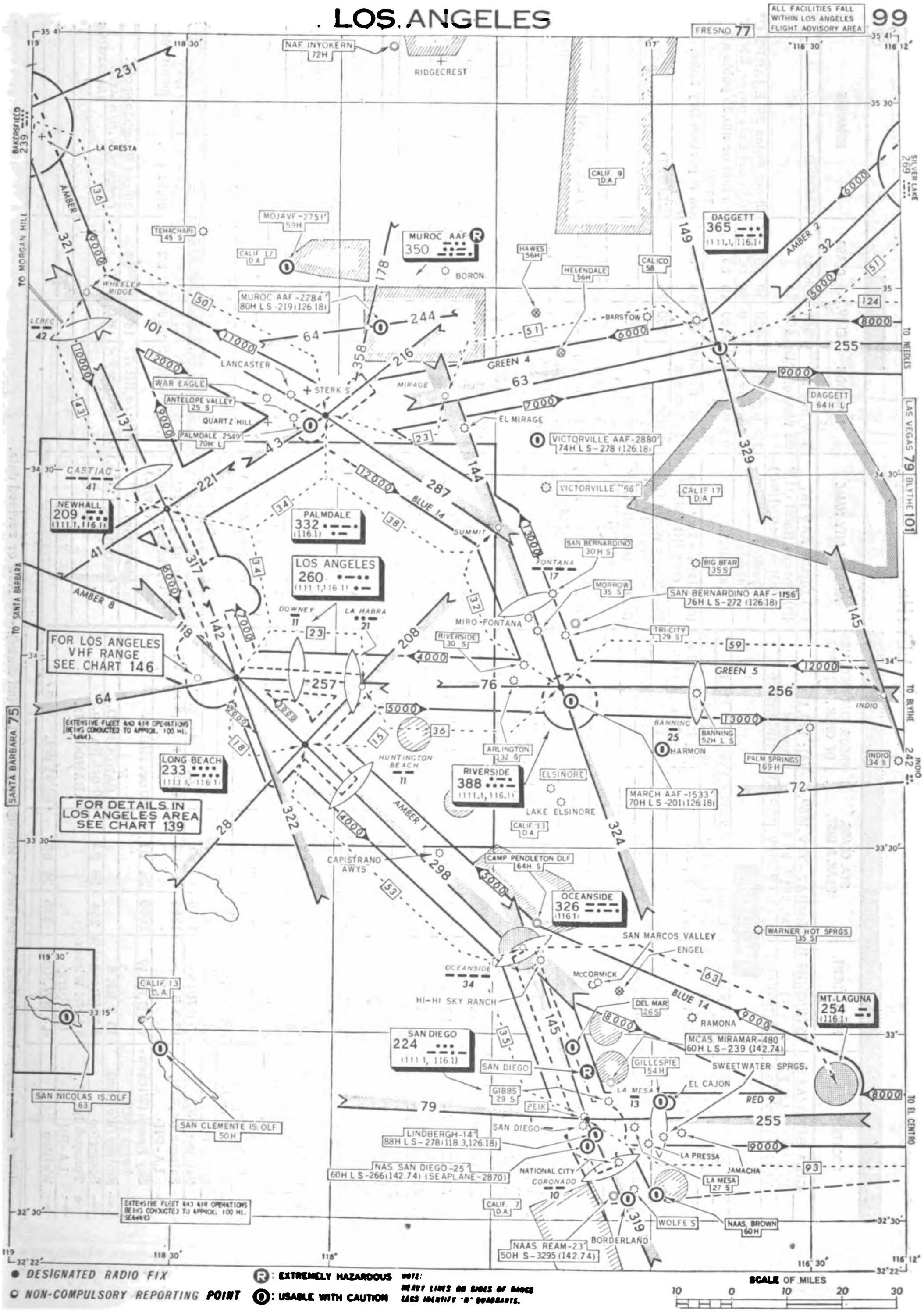
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S,hwy E	2470	27 S6	80 oct. P-line E.
Arlington(Riverside)	4.5 WSW,RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE,RR N	2190	52h L5 S5	80,91 oct. No sto.
Barnes(Rosamond)	12 E,rd N	2300	38	(NC)
Barstow	1.8 N,hwy S	2150	24 S6	80 oct.
Big Bear City	0.5 NW,hwy S	6850	57 S1	80 oct, Trees E, hills W.
Borderland(San Ysidro)	1.5 WNW,RR W	80	18 S6	80,91 oct. No sto. Pole line SE.
Boron	0.5 NE,RR S	2550	21 S1	80 oct. Poles E. Data unver.
(N) Brown NAAS (Otay)(N)	5.5 ESE	523	60h R1	CLOSED
Buffalo Springs(Avalon) (NC)	See Catalina Arpt under "New Facilities"-name changed			
Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
(N) Camp Pendleton OLF (Oceanside)(N)	6 NNE,RR SE	75	64h L S1	
(N) Castle OLF (San Clemente Island)(N)	On NW end San Clemente Isl.	163	20	(NC)
(N) Clark's Dry Lake OLF (Salton Sea)(N)	25 W of ctr.	450	50	On W portion Dry Lake. (NC)
Del Mar	1.1 NNE	11	26 S1	80,91 oct. 1000' paved rnwy. Data unver.
El Cajon	2.5 N,hwy W	450	23 S6	80,91 oct. No sto.
Elsinore	1 SSE,RR N	1256	26 S4	80 oct. No sto. Hills NW.
Engel(Escondido)	1.5 W,RR N	630	19	CLOSED. Trees SE, hill NW.
Gibbs(San Diego)	7 NNE,hwy W	405	29 S6	80,91 oct. Poles E.
Gillespie(El Cajon)	2 NNW;rd E	385	54h	Towers W. (Santee.
Harmon(San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto. INACT
(A) Hawes(Victorville)(A)	27.5 N,RR N	2319	56h	CLOSED
Hi Hi Sky Ranch (Oceanside)	1.5 ENE,RR S	48	18 S6	80,91 oct. No sto. Trees SW.
(A) Helendale(Victorv'l)	20 N	2508	56h	(A) CLOSED
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct. No sto. Pwr line W
(N) Inyokern NAF (N)	0.5 WNW,RR E	2455	72h	NATS
Jamacha(La Mesa)	6.8 ESE,riv N	520	18 S6	80,91 oct. Hills E.
La Cresta(Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct. Data unver. Flare pots prior req.
Lake Elsinore(Elsinore)	4 SSE,lk W	1252	15 S4	80 oct. No sto.
Lakeside				ABANDONED.
La Mesa	2 WSW,hwy N	500	27 S4	80 oct. Pole line SSE.
Lancaster	0.5 NW,RR E	2330	22 S4	73 oct. No sto. Poles E,S
La Pressa(La Mesa)	4 S,hwy W	275	19 S4	80 oct.
Liberty(Rosamond)	4.1 S,RR E			ABANDONED.
LINDBERGH (San Diego)	2 W	14	88h R2 L5 S6	80,91 oct. ARPT OF ENTRY.
(A) March (Riverside) (A)	8.8 SE,RR SSW	1533	70h R2 L5 S6	62,73,91,100 oct. JP-1. FOREIGN CLEAR STN
McCormick (San Marcos)	1.5 WSW,RR N	550	21 S6	80,91 oct. Poles E.
(A) Mirage(Victorville)(A)	See El Mirage under "New Arpts" - name changed.			
(N) Miramar MCAS (San Diego) (N)	9.5 N	480	60h R1(L6)S4	91,100 oct. No bcn.
(N) Miramar OLF (San Diego) (N)(NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N) (NAS)	0.7 E,hwy W	2751	59h	CLOSED
Morrow (Rialto)	1.8 S;hwys S	1100	32 S6	80,91 oct. P-line E,W.
(A) Muroc AAF (A)	2 S,dry lake N	2284	80h R2 L5 S6	73,100 oct. JP-1. No sto.
National City	1.1 SSE,RR W	10	22 S4	80 oct. Poles, stack NW.
(P) Palmdale	3 NE,RR W	2549	70h R1 L5 S2	91,100 oct.
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct. No sto. Twr SE.
Quartz Hill (Lancaster)	6.5 SW	2450	29 L S6	80,91 oct. Port rnwy lgts. Data unver.
Randsburg (NC)	1.8 NE,rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W		23 50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N)(NC)	6 N,RR W	400	15	
San Bernardino	4.7 NNW, RR 1.5 W	1425	30 L S6	80,91 oct. Port lgts prior req.
(A) San Bernardino AAF (A)	3.5 ESE,RR SW	1156	76h R1 L5 S6	62,73,91,100 oct, JP-1
San Bernardino Co. (Daggett)	See Dagett Int,13 under "New Airports" - name changed.			
(N) San Clemente Island OLF (N)	8 S of N end	926	50h	CLOSED
San Diego	5 NW,bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1(L6)S6	91,100 oct. NATS
San Marcos Valley (San Marcos)	1 W;hwy,RR N	530	19 S4	80 oct. No sto. Hill NE Pwr line E
(N) San Nicolas Island OLF (N)	On E end Isl.	502	63	INACTIVE.
Sweetwater Springs Airanch (La Mesa)	4.2 SE,hwy N	475	22 S1	80,91 oct. Fence E.
Tehachapi	1 N,RR S	3952	45 L S2	73,91 oct. Range lgts. Pole line SE.
Tri-City (San Bernardino)	3.3 SSE,RR S	1015	29 L S4	91,80 oct. Poles SE,W. Port rnwy lgts.
(A) Victorville AAF(A)	6 NW,RR E	2875	74h R1 L5 S5	100 oct.
Victorville "66"	5.2 SSW;hwy W	3225	30 S4	80 oct. No sto.
War Eagle (Lancaster)	5 W,hwy N	2348	31	
Warner Hot Springs	3 W,hwy NE	3140	35 S1	Ltd 80 oct. Trees E,S
Wolfe's Arpk (Otay)	1.2 SE,RR W	220	30 S1	80,91 oct. Hills SE.
NEW AIRPORTS				
Sterk's Ranch (Lancaster)	2.5 ENE		30 S1	80 oct. Data unver.
(N) Ramona	3 SW	1440	40h	
Sweetwater OLF(San Diego)	7.4 E	480	30h	
Ridgecrest(Calif.)	0.3 S.	2300	40 L S4	80,91 oct. P-line E,NE. Data unver.
Daggett Int, 13 LA-AC (Calif)	5 E;RR S	1927	64h R1 L3	
Cumberland Valley (Lynch, Ky)				
(P) El Mirage (Adelanto, Calif)	11 WNW; lake .5 N	2865	36h S5	80,91 oct.
Miro-Fontana (Rialto, Calif.)	1.5 NW;creek N	1400	24 S1	80 oct. T-line NE

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

LOS ANGELES



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

SCALE OF MILES

10 0 10 20 30

RADIO

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-DTV,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA (Yuma Co.)	230(UP)(vhf)	SBMRAZ-DTV,165°,5.8	(4);116.1,122.1

CALIFORNIA

BLYTHE (AAF)	251(YH)(vhf)	SBMRAZ-DTV,268°,4.1	(4);116.1,122.1
EL CENTRO	212(MB)(116.1)	SBMRLZ-DTV	(4); 116.1
El Centro NAS	317 (142.74)	CN, 320°, 3.7	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	242(IN)(116.1)	BMRLZ-DTV	(4); 116.1
MT. LAGUNA	254(TN)(116.1)	BHTV	(4); 116.1(Cont)

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Aguila	1.5 NNW			ABANDONED.
(A) Ajo AAF (A)	6 N,RR NE	1434	64h	CLOSED
Conner (Quartzsite)	See Quartzsite under "New Airports" - name changed.			
(A) Datelan AAF	4 W Aztec	450	66h	TMP INACT NO FACS
Echevarria (Wickenburg)	See Wickenburg under "New Airports" - name changed.			
(A) Gila Bend AAF (A)	4 S,hwy W	858	62h R1 L5	TEMP INACT. NO FACS
(A) Gila Bend #4 (A)	18 SSW	1000	37h	TEMP INACT. NO FACS
(A) Gila Bend #5 (A)	15.3 SW	800	37h	TEMP INACT. NO FACS
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	TEMP INACT.NO FACS
Laguna Landing Strip (Laguna)	6.5 NE	500	50h	
→ Marsh (Yuma)	0.7 E,RR W	130	40 S6	80 oct.
Parker	1.4 ENE;RR .5 W	430	32 S6	80 oct.
Salome (NC)	0.7 S;RR NW	1876	45 S1	80 oct,Poles NW.
Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi.E,3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,RR W	2000	24 S1	80 oct Hills N
→ Smiley (Wellton)	13 E,RR S			ABANDONED.
→ Somerton	3 ENE;canal W	254	26 S4	80 oct.No sto.
★ Tonopah Int,31, → LA-PH	5 NNE Wintertersburg			ABANDONED.
→ Wellton	0.5 NW,RR S	225	24 S6	80,91 oct.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe AAF (A)	7 W,hwy S	397	70h R1	CLOSED
(N) Borego Hotel OLF Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
Brawley	1.3 NE,RR W	-120	30 S6	80 oct.Poles SE,E. ARPT OF
Calexico	1.2 W,riv N	0	28 S6	80,91 oct.Data unver. ENTRY
Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto.35'poles all zones.
(N) Clark's Dry Lake OLF (N) (NC)	25 W of center Salton Sea	450	50	On W portion Dry Lake.
(N) Coyote Wells OLF -North (N) (NC)	21 NW El Centro	300	26	CLOSED
(N) Coyote Wells OLF -South (N) (NC)	21 WSW El Centro	300	25	
(A) Desert Center	2.5 NE,rd NW	555	50h	AAF(A) CLOSED
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck) other hrs prior req.
(N) EL CENTRO NAS(N)	7 WNW,RR S	-43	69h R2 L5 S4	80,100 oct.Avail 0700 to 1800,
Gary (Blythe)	5 NNW,RR N	392	29h	CLOSED.
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct.No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S4	80,91 oct.Poles N, only.
Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct.Poles SE.No bcn.Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF(Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		24 S6	80 oct. N/S taxiing only. Rnwy data unver
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
(A) Shavers Summit (Indio) AAF (A)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W. CLOSED
(A) Thermal AAF (A)	1.8 SW,hwy W	-117	50h	CLOSED
Twentynine Palms	4.8 N	1768	40h	

NEW AIRPORTS

(P) Yuma Co. (Ariz)	4.5 SSE.RR N	213	65h R1 L2S4	80,91 oct. Bndry lgts
Wickenburg Mun. (Ariz.)	14.8 WSW;RR N	2380	45 S2	80,91 oct. prior req.
Ajo (Ariz)	5 NE;rd,RR W	1490	40 S4	80 oct.Rough in spots.
Quartzsite (Ariz.)	0.5 SSW,hwy S	350	38	Trees N,W.N/S strip hazardous

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)NC-(not charted). → New or revised data.

BLYTHE

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA 101

LAS VEGAS 79

PHOENIX 103

LOS ANGELES 99

TO SAN DIEGO

TO CASA GRANDE

RIVERSIDE 388

34°30' 116°30' 116° 115° 114° 113° 112°24'

32° 31° 30° 29°30'

TWENTY-NINE PALMS 40H

CALIF 18 D A

RICE AAF 55H

PARKER 32

WICKENBURG MUN 40 H S

PALM SPRINGS 69H

DESERT CENTER 38 L S

DESERT CENTER AAF 30H

INDIO 34 S

GARY 392' 29H

QUARTZSITE

THERMAL AAF 50H

PORT MECCA

SHAVERS SUMMIT AAF 60H

HARVEY

BLYTHE AAF 30H

HERON 27 S

SALOME 41 L

PERRYVILLE

WHITE TANKS

GREEN 5

INDIO 242 (116.1)

SALTON SEA 40

CALIF. 4 D.A.

CALIPATRIA

BRAWLEY 30 S

O'CONNELL

IMPERIAL CO

BLYTHE 251 (111.1, 116.1)

LAGUNA 50H

GILA BEND 257 (116.1)

NAS. EL CENTRO -(-43') 69H L S-317(142.74)

CALIF. 12 D.A.

RED 9

RED 13

110

69

249

262

GILA BEND NO 5 37H

GILA BEND AAF-858' 62H

DATELAN AAF 66H

GILA BEND NO 6 37H

GILA BEND NO 4 37H

AJO

AJO AAF 64H L S

ARIZ 1 D.A.

MARSH 40 S

WELLTON

YUMA 230 (111.1, 116.1)

YUMA CO 65 H L S

HOLTVILLE 60 H L S

CALEXICO 28 S

SOMERTON 26 S

EL CENTRO 212 (116.1)

MT. LAGUNA 254 (116.1)

JACUMBA HOT SPRINGS OLF 29

ARIZ MEXICO

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(CJ)(116.1)	SBMRAZ-DTV,253°,2.2	(4); 116.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)+	C	(4);116.1,126.18,118.3,122.5
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3); 142.74 (0730 to sunset)
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-DTV,261°, 2.3	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 122.5
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-DTV;307°,3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18
NEW MEXICO			
RODEO (Int.)	254(RH)(116.1)	BMRLZ-DTV,24°,0	(4); 116.1

S Simul Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S. transmits on and guards 116.1 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

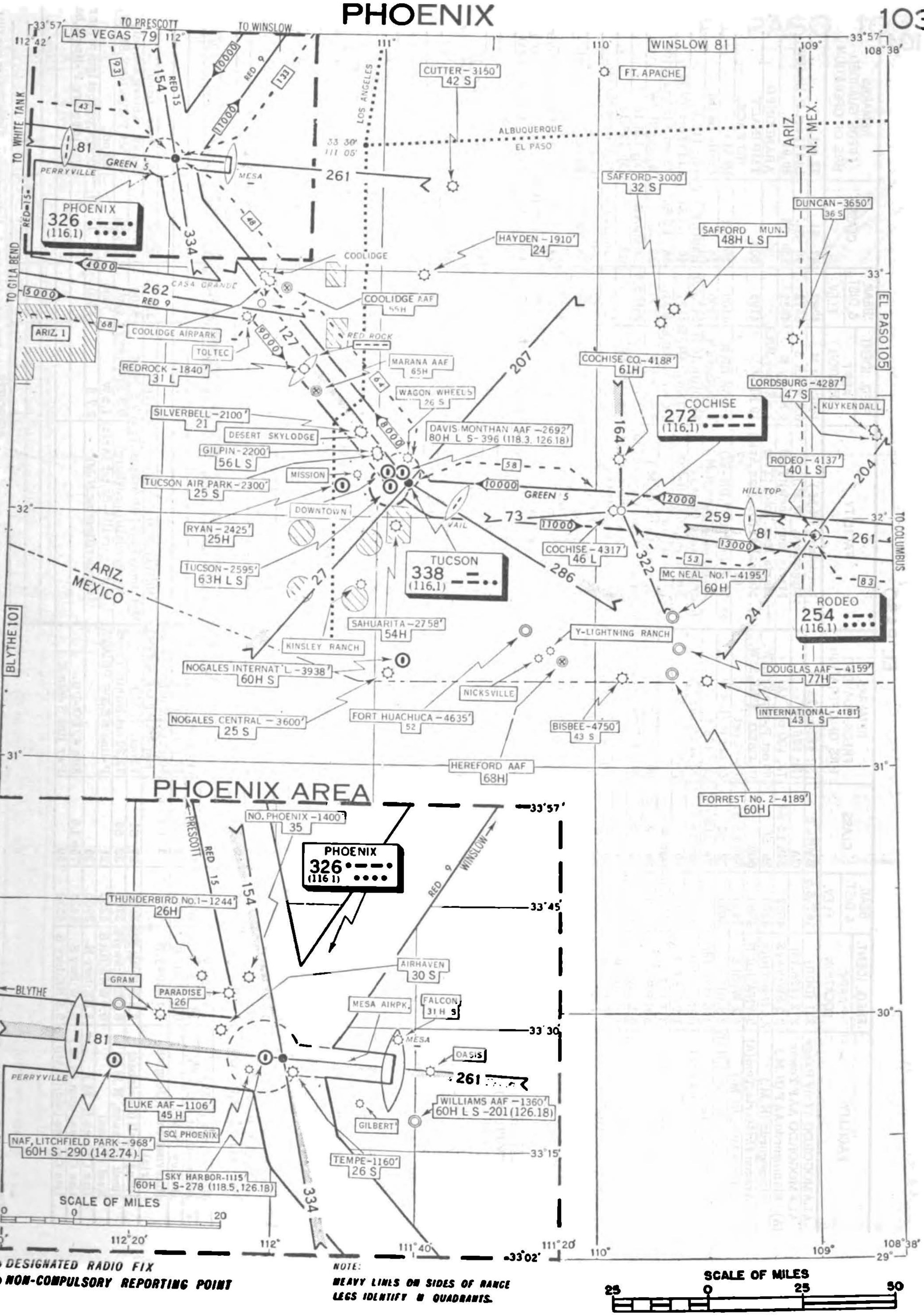
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW,hwy S	1050	24 S	80 oct.Rough
→ Bisbee	6.4 SSE,RR W	4750	43 L S6	80 oct;91 oct on req. Poles W. Port rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Greenwt (Clifton)	8.7 SSE,hwy W	3800	52 S	80 oct.
★ Cochise Int,T-3,PH-EO	6 S,	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S;hwy W,S.	1450	32 S1	80 oct.P-line N.
(A) Coolidge AAF (A)	6.4 SE	1587	55h	CLOSED
Coolidge Flying Field	1.5 WSW	1450	27 S4	80,91 oct.P-line NE,E RR E,S
Cutter (Globe)	6.8 ESE,RR N	3150	37 S6	80,91 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	5.1 SW;RR S	2692	80h R2 L5 S6	80,100 oct.Pole line S.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	CLOSED Twrs E.
→ Duncan	1 NE	3650	36 S2	80 oct.Poles WSW.
Falcon (Mesa)	7.3 NE;riv N	1332	31h S4	80,91 oct.
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	CLOSED
(P) Ft.Apache (White River)	2.6 SSW,riv S	5109	34 S2	80 oct. P-line N,NE
(A) Ft. Huachuca (A)	3.5 E;RR NW	4635	52	
Gilpin (Tucson)	4.2 NW,RR W	2200	56 L5 S6	80,91 oct.No flood. Fld lgts prior
Hayden	1.2 S,hwy E	1910	24	Obst sur fld. req.
(A) Hereford AAF(A)	2.5 WSW,rd N	4347	68h	Twr SE. CLOSED
INTERNATIONAL (Douglas)	3.3 E,hwy N	4181	43 L4 S4	80,91 oct. Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW;hwy S	3100	35	PRIVATE.
Litchfield (Litchfield Park)(NC)	0.5 N;cty S	1062	37	PRIVATE.
(N) Litchfield Park NAF (N)	4.8 S;RR S	968	60h R1 S1	100 oct.
(NC) Luke (Phoenix) (NC)	18 WNW	1106	45h	
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	CLOSED.
(A) Marana AAF (A)	6 NW,hwy NE	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W
Mesa Airpark	1.4 W;hwy	1238	27 S6	80,91 oct.No sto.P-line E.
Nogales Central	3 N,RR E	3600	25 S6	80,91 oct.P-line NE.

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Nogales International	8 NE;hwy NW	3938	60h L5 S4	80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35 S1	80 oct.
Paradise (Phoenix)	6 NNW,canal S	1256	26 S4	80,91 oct. Trees S
Phoenix Airhaven	See Airhaven under "New Airports" - name changed.			
★ Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	31 L5	P-line NE.
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
Safford Mun	4.5 ENE;riv 2 S	3176	48h L5 S4	80,91 oct. Fld lgts prior req.
Sahuarita Flight Strip	2.2 E	2758	54h	
(P) Sells (NC)	2 NW,rd E	2380	24	
Silverbell (Tucson)	11.2 NW;riv NE	2100	21	
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	81, 100 oct. Fld lgts prior req.
Superior (NC)	2 WSW,hwy N	2600	19 S4	73,80 oct. P-line NW. Slopes
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W.
Three Point (Casa Grande)(NC)	1.5 NNW;hwy N	1400	37 S4	80 oct.P-line NE,SW.
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	40	
Toltec	0.4 NNW;RR SW	1500	25	Poles SSW,W SW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	25 S6	80 oct.P-line NW.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct. Slopes to SSE.,P-line
Wickersham (Safford)	See Safford under "New Facilities" - name changed.			S,SE
→ Willcox (NC)	0.9 WNW,hwy E			ABANDONED.
(A) Williams (Chandler) (A)	10 E;RR SW	1360	61h R1 L5 S6	73, 91, 100 oct. JP-1.
NEW MEXICO				
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
★ Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
NEW AIRPORTS				
Downtown (Tucson,Ariz.)	1.4 S;RR SW	2400	42 L S6	80,91 oct.P-line N,S,NW.Port bndry lgts.
→ Nicksville (Hereford,Ariz.)	9 W;hwy W	4750	32 S4	80 oct.Poles SW.
→ Y-Lighting Ranch (Hereford,Ariz.)	6 WNW;rd W	4400	26	
Gilbert (Ariz)	0.7 SSW	1300	16 S1	80 oct.P-line E,fence W.
Airhaven (Phoenix,Ariz)	3.6 WNW;RR SW	1150	30 S4	80 oct.No sto.Poles SW,NE.
Gram (Glendale,Ariz)	5 W;rd E	1060	21 S6	80 oct.Poles E,W.E end hazardous.
Oasis (Mesa,Ariz)	11.5 E;hwy N		28 S4	80 oct.No sto.Trees NE,SW.
South Phoenix, (Ariz)	3 SSE;riv N	1100	26 S6	80 oct.No sto.P-line E,W.
Mission Arpk(Tucson,Ariz)	8.3 WSW;rd S	2665	25 S6	80 oct Poles W
(P) Tucson (Ariz.)	7.5 S;hwy W	2610	37 S6	80,91 oct. Poles S,SE.
→ Desert Skylodge (Tucson,Ariz.)	10 NNW;RR NW	2025	32 S6	80,91 oct.Poles NW,WNW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xIII) NC-(not charted). → NEW OR REVISED DATA.

PHOENIX



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY IN QUADRANTS.

EL PASO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALAMOGORDO Army Range	221 (DGR)	167°,6.5	BMRLZ	(3); 4220; 126.18
ALAMOGORDO AAF Tower	272 (126.18)		CA	(3); 126.18
(A) Alamogordo AAF (N.M.)	8.5 SW;hwy S	4092	84h L5 S4	73, 100 oct. (A)
Alamogordo (N.M.)	2.4 N;bet RRs	4320	29 S6	80 oct. P-line SE,NW,
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED SSE,SSW.
(P) Artesia Mun. (N.M.)	4.2 W;rd S	3550	69h L5 S1	73-91 oct.
B&B Fly.Svc.(Roswell,N.M)	2 S;RR E	3600	32 S2	80 oct P-line W.
BIGGS Tower (Texas)	396 (126.18)+		CA (ILS-W)	(3); 126.18
(A) Biggs (El Paso,Tex)(A)	6 NE;RR W	3937	96h L5 S6	73,91,100 oct JP-1.
Bowie (Ariz)	1.9 W;RR N	3800	20	P-line NE,W
CARLSBAD Range (N.M)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct
(P) Carlsbad,mun.(N.M.)	6.1 SSW	3276	65h L5	Hwy E.Rnwy lgts on req
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Carrizozo (N.M.)	0.6 N;hwy S,E	5420	33 S2	80 oct. P-line WSW.
Clifton-Greenlee Co.	8.7 SSE;hwy W	3800	35	(Clifton, Ariz)
COLUMBUS Range (N.M)(Int)	284(KS)(116.1)	262°,1.9	SBMRAZ-DTV	(4); 116.1
★ Columbus Int,34,PH-EO	0.6 ESE;hwy N	4024	42 L3 S1	80 oct. (N.M.)
(P) Culberson Co.(Van Horn)	3.5 ENE;RR S	3955	60h	(Texas)
★ Delaware Springs Int.,11, EO-FV (Texas)	16.8 E of Pine Springs	3955	40 L3 S1	91 oct. P-line SSE
(A) Deming AAF (A) (N.M)	2 ESE;hwy W	4314	81h	CLOSED.
Deming Arpk (N.M.)	6 WSW;RR N	4300	31 S4	73 oct. No sto.
(A) Deming (South)(N.M.)(A)	19.5 SSW	4240	60h	CLOSED.
(A) Deming (Center)(N.M.)(A)	11.5 W;hwy S	4440	60h	CLOSED.
(A) Douglas AAF (Ariz)(A)	8.5 NNW	4159	77h	CLOSED Twrs E.
Duncan (Ariz)	1 NE;race track W	3650	36	P-line W
EL PASO Range (Tex)	242(EO)(116.1)	257°,4.9	SBRAZ-DTV	(3); 116.1, 122.1
EL PASO Tower (Tex)	278 (126.18, 118.7)		AC (ILS)	(4);122.5,118.7,126.18
[El Paso Mun.](Tex)	4.8 ENE;RR SW	3936	70h L6 S1	73,91,100 oct. No sto. ARPT OF ENTRY.
ENGLE Range (N.M.)(Int.)	344(EX)(116.1)	172°,2.9	SBRAZ-DTV	(4); 116.1
★ Engle Int,10,EO-PU(N.M.)	2.6 E;hwy N	4853	45 L3	
(A) Forrest #2 (Douglas,Ariz)	6.4 WNW	4189	60h	CLOSED
Fort Hancock (Tex)	0.7 SE;RR N			ABANDONED (A)
GUADALUPE PASS (Tex)	(116.1)		VP	116.1
★ Hachita Int,29B,PH-EO	0.8 W;RR N	4498	38 L3	P-line N. (N.M.)
Hot Springs (N.M.)	7.4 N;hwy E	4750	75 S4	80 oct.Rnwy data unver
★ Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	(Texas)
Hurley (N.M.)	0.8 W;RR E	5748	33 S4	73 oct. No sto.
[International](Douglas, Ariz)	3.3 E;hwy N	4181	43 L4 S4	80,91 oct.Fld lgts prior req.ARPT OF ENTRY
John J.Small (Carlsbad)	3.5 SSE;RR NE	3150	27 S1	73 oct. (N.M.)
Jundt (Strauss, N.M.)	8.8 ESE;hwy NE	3709	32 S6	73,80 oct.No sto.Trees
Kent (Texas)	0.6 WNW;RR S	4260	21	P-line NE,SW.PRIV E.
Las Cruces (N.M.)	1 NE;hwy N	3900	35	
Las Cruces, mun.(N.M.)	8.5 W;hwy S	4426	75h L5	Site 4, EO-PU.
Las Cruces (old)(N.M.)	9.5 NE;hwy S	4538	39	Pwr line S.Mtn E.
Lordsburg (N.M.)	1 SE;RR N	4287	47 S1	73 oct.
Magdalena (N.M.)	0.8 N;RR S	6572	48 S1	Ltd 73 oct.P-line SW.
Marfa Mun. (new)(Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
→ Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
(A) McNeal #1 (Douglas,Ariz) (A)	19 NNW	4195	60h	TMP INACT NO FACS.
★ Mt.Riley Int,37,PH-EO	1.8 SE;RR N	4106	36 L2	(N.M.)
Parker (Ruidoso,N.M.)	8.2 NNE;rd N	7200	36	Cattle on fld.
RODEO Range (N.M.)	254(RH)(116.1)	24°,0.0	BMRLZ-DTV	(4); 116.1
★ Rodeo Int,26A,PH-EO	7.3 NNE;RR SE	4137	40 L3 S1	Ltd 73 oct. (N.M.)
[Roswell] (N.M.)	1.6 WNW;RR E	3621	56 L5 S6	73 oct.Fld lgts prior
Roswell Com. (N.M.)	4 W;hwy N	3700	33	Windmill SW. req.
ROSWELL Army Range (N.M.)	305 (DEH)	255°,3.6	SBMRAZ	(3); 126.18
ROSWELL AAF Tower (N.M.)	396 (126.18)+		CA	(3); 126.18
(A) Roswell AAF (N.M.)(A)	6.5 S	3666	85h L5 S6	91,100 oct.No sto.
(A) Roswell AAF #3(N.M.)(A)	18 S	3712	70h	CLOSED.
Ruidoso (N.M.)	2.2 NNE;hwy W	7000	60 S2	80 oct.Mtns sur fld.
(A) Ryan #8 (Marfa,Tex)(A)	19 WNW;RR NE	4750	60h	CLOSED.
Safford (Ariz)	4.5 ENE;riv S	3176	48h L5 S5	80,91 oct.Fld lgts prior
SALT FLAT Range (Tex.)	335(DN)(116.1)	162°,2.7	BMRLPZ-DTV	(4); 116.1 req
★ Salt Flat Int,8A,EO-FV	17 SW Guad.PS	3710	40 L3 S1	80 oct. Hwy S. (Tex)
Sierra Blanca (Tex)	2.8 ESE;hwy N	4450	21	P-line N.
Silver City (N.M.)	11.5 SE;hwy E	5400	54	
Skytel (Deming, N.M.)	1.4 WSW	4300	38 S2	73,80 oct.P-line E.
Socorro (N.M.)	2.5 S;hwy E	4759	60h L5 S1	80 oct.Use rnwys only.
State College(Mesilla Park)	1.2 E;RR W	3800	30 S6	73 oct.No sto.(N.M.)
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct.Hwy W.
Tracy (Carlsbad,N.M.)	2 ENE;hwy S	3080	30 S6	80 oct.
Tularosa (N.M.)	2.2 N;RR W	4550	34	
Valley (Berino, N.M.)	1 ENE;hwy W	3825	34 S1	73 oct.50'hi-line E.
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct.Poles NW.
Whitehill (Silver City,N.M.)	4 SSE	5800	30	P-line N.Rnwy data
Wickersham(Safford,Ariz)	2.5 S;RR NE	3000	32 S6	80,91 oct. unver.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

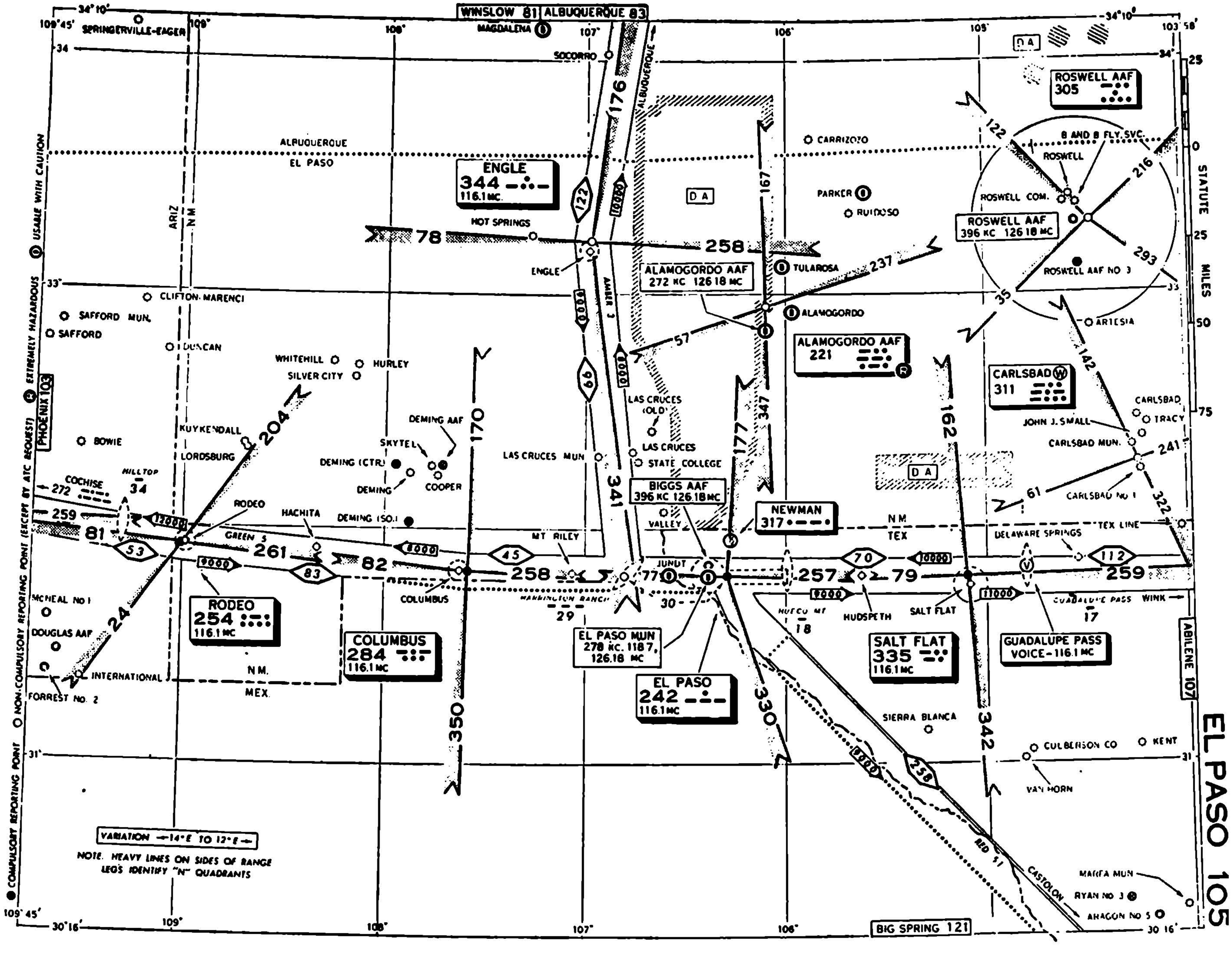
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
BIGGS (A)	109.9	333.8	210°	IM- (0.26)	MM- ····· (0.85) OM- — — (4.35)
					MMK- OMK-
EL PASO	109.5	332.6	217°	IM-	MM- •—•— (0.67) OM- — — (4.56)
					MMK- OMK-
				IM-	MM- OM-
					MMK- OMK-

NEW FACILITIES

NEWMAN H Fac (Tex)	317(P)	357°,11	MHW	El Paso (cont)
McCombs Fld #1(Pine Spgs,Tex)	7.5 NNE	5200	20	Rough. Emerg.use only
Kuykendall(Lordsburg)	0.8 NNW;hwy E	4290	29 S1	80 oct.P-line NNE,SE.(N.M)
Springerville-Eager (Ariz)	1.5 W	7000	37 S1	80 oct.
Cooper(Deming,N.M)	2.7 S	4300	25 L S1	80oct.Ctc,obst lgts prior req Use in emerg.P-line E,bank W

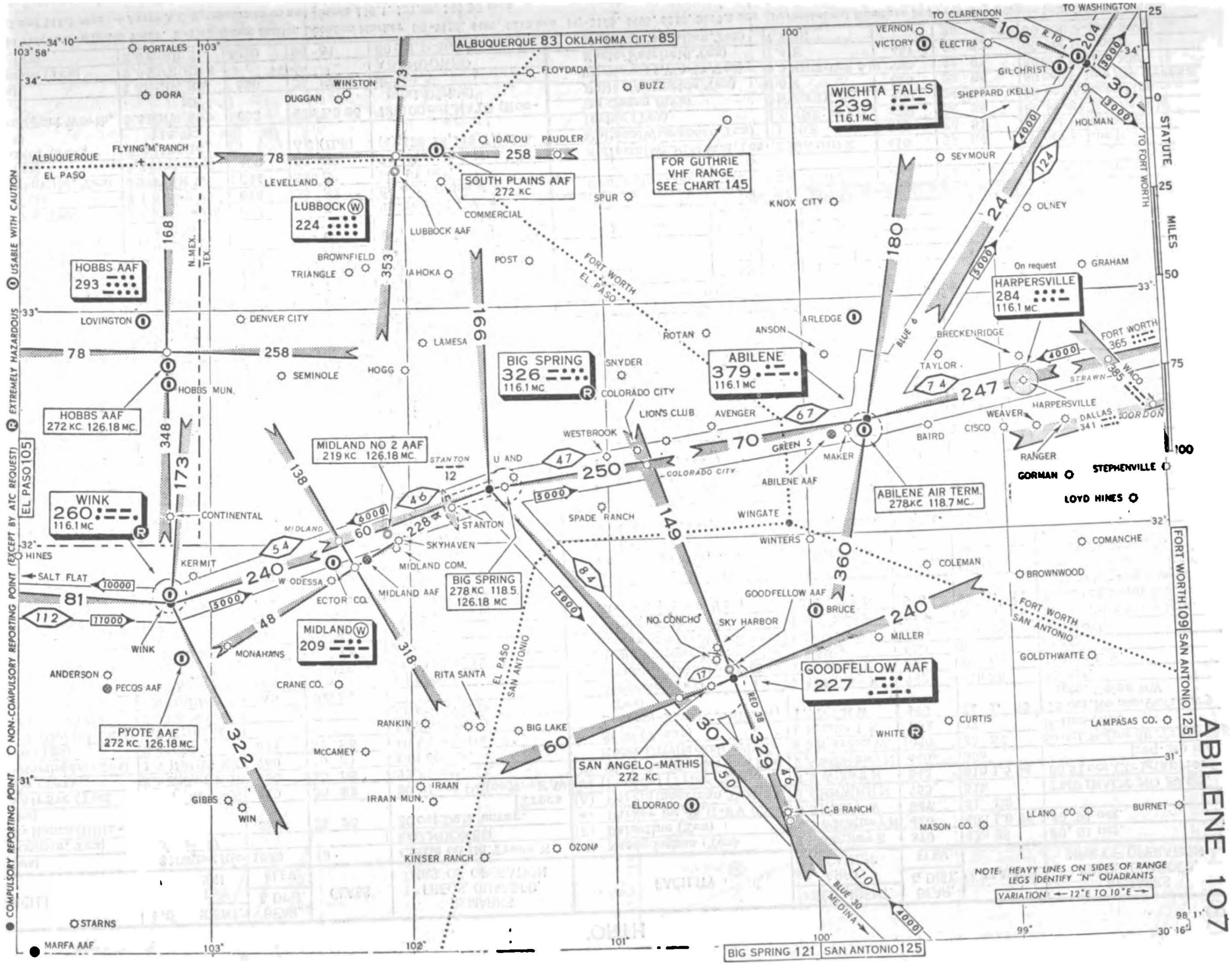
RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 2105, 4495, 6210 kcs. (4) - 2105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.55 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4725 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —►New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


WINSLOW 81
ALBUQUERQUE 83
SPRINGERVILLE-EAGER
MAGDALENA
SOCORRO
ALBUQUERQUE
EL PASO
ENGLE
344
116.1 MC.
HOT SPRINGS
ENGLE
CLIFTON-MARENCI
SAFFORD MUN.
SAFFORD
DUNCAN
WHITEHILL
HURLEY
SILVER CITY
BOWIE
KUYKENDALL
LORDSBURG
COCHISE
HILLTOP
34
RODEO
HACHITA
GREEN S
DEMING AAF
SKYTEL
DEMING (CTR)
DEMING
COOPER
DEMING (SO.)
MT RILEY
COLUMBUS
HARRINGTON RANCH
RODEO
254
116.1 MC
COLUMBUS
284
116.1 MC
MCNEAL NO 1
DOUGLAS AAF
INTERNATIONAL
FORREST NO. 2
N.M.
MEX.
LAS CRUCES (OLD)
LAS CRUCES
STATE COLLEGE
LAS CRUCES MUN
ALAMOGORDO AAF
272 KC 126 18 MC
ALAMOGORDO
TULAROSA
CARRIZOZO
PARKER
RUIDOSO
ALAMOGORDO AAF
221
BIGGS AAF
396 KC 126.18 MC
VALLEY
JUNDT
EL PASO MUN
278 KC. 118 7,
126.18 MC
EL PASO
242
116.1 MC
NEWMAN
317
N.M.
TEX
TEX LINE
ROSWELL AAF
305
ROSWELL COM.
ROSWELL AAF
396 KC 126 18 MC
ROSWELL AAF NO 3
8 AND 8 FLY. SVC.
ROSWELL
ARTESIA
CARLSBAD
311
CARLSBAD
TRACY
JOHN J. SMALL
CARLSBAD MUN.
CARLSBAD NO 1
DELAWARE SPRINGS
SALT FLAT
335
116.1 MC
HUDSPETH
HUECO MT
GUADALUPE PASS
WINK
GUADALUPE PASS
VOICE - 116.1 MC
SIERRA BLANCA
CULBERSON CO
KENT
VAN HORN
MARFA MUN
RYAN NO 3
ARAGON NO 5
CASTOLON
RED 1
VARIATION 14°E TO 12°E
NOTE. HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
PHOENIX 103
ABILENE 107
BIG SPRING 121
STATUTE MILES
EL PASO 105

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(A) Abernathy #1 (Tex) (A)	5 ENE			ABANDONED.
ABILENE Range (Tex)(Air Term.)	379(AP)(116.1)	180°,2.2	SBRAZ-DTV	(3); 116.1, 122.1 NATS
ABILENE AIR TERM Tower (Tex)	278 (118.7)		C	(4);118.7,126.18,122.5(7-23)
(P) Abilene Air Terminal (Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.100 oct Army
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct.Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
Arledge (Stamford, Tex)	5 SE;RR SW	1600	23h	P-line S.
(P) Avenger (Sweetwater, Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;RR S	2950	37 S2	80 oct.Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-DTV	(3); 116.1, 122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18, 122.5, 118.5 (7-23)
(N,P) [Big Spring] (Tex)	3.3 WSW;RR N	2595	64h L5 S6	80,91,100 oct. NATS.
Breckenridge (Tex)	2.5 S;RR E	1250	29 S6	80 oct.
Brownfield (Tex)	5 E;hwy N	3314	50 S2	80 oct.P-line N,NE.
(P) Brownwood Mun. (Tex)	6.3 NNE;RR S	1386	50h L5 S4	80,91 oct.Ctc lgts on req.
Bruce (Ballinger,Tex)	4.5 SSW;hwy NW	1731	23h L S6	80,91 oct.B-2 lgts on req.Use rnwys.
Burkburnett (Tex)	1 SE;RR SW			ABANDONED
Burnett (Tex)	2 NE;RR W	1325	21 S1	80 oct. P-line SW
Buzz (Roaring Springs, Tex)	2.3 NNE;hwy W	2600	26 S1	73 oct. P-line S.
C-B Ranch (Ft.McKavett,Tex)	1.5 W;road S	2150	32 S1	80 oct. Livestock on fld
Cisco (Tex)	2.5 NNW;lake 2 N	1620	30 L S4	80,91 oct. Flare pots,flds
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80,91 oct.Use rnwys prior req.
Comanche (Tex)	1.7 NNW;hwy SW	1500	14	
Commercial (Lubbock, Tex)	3.2 SE;bet hwys	3240	40 S6	73,80 oct.No sto.Use strips
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct.Hi-line S.
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 S1	Ltd fuel.
Denver City (Tex)	0.8 NW	3584	40 S1	80 oct. Data unver.
Dora (N.M.)	1.3 E;hwy W	4000	27 S1	73 oct.P-line N.
Duggan (Littlefield,Tex)	1.2 S;RR NE	3550	37 S4	80,91 oct.Pwrline E,NE,SE.
Dyche (Ft. Stockton, Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct.Poles E.Cattle on fld
Electra (Tex)	3.6 WNW;RR S	1229	27 S2	80 oct.
Floydada (Tex)	1.2 NNW;RR N	3287	20 S1	80 oct. P-line S. RR SW.
Flying "M" Ranch (Milnesand)	0.4 NNW;hwy E	4360	20 S2	80 oct.Data unver. (N.M.)
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.
Gilchrist (Wichita Falls,Tex)	7 WNW;RR S	1020	30 S1	80 oct. P-line S
GOODFELLOW Army Range (Tex)	227 (DIP)	329°, 2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)(A)	3 SE;rds N,W	1877	55h	TMP INACT.
Gorman (Tex)	1 S;RR NE	1400	26 S2	80 oct. Poles NNE.
HARPERSVILLE H Fac. (Tex)	284 (HV)(116.1)		MHTV	(4); 116.1, 122.1
* Harpersville Int,44,EO-FV(Tex)		1396	45 L3	9.2 S of Breckenridge
HOBBS Army Range (N.M.)	293 (DHB)	168°,2.8	BMRLZ	(3) (V, 7-23)
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct.
[Hobbs Mun.] (N.M.)	5 W;hwy N	3658	50h L5	All lgts prior req.
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Holman (Wichita Falls, Tex)	3.1 SSE;hwy W	980	31 L S6	80,91 oct.Poles SE,E,NE
Idalou (Tex)	5.5 ENE	3189	54h	Flood lgts.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE Use strips only.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona, Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
Knox City (Tex)	0.8 SSE;RR W	1550	17	
Lamesa (Tex)	8 NNE;hwy E	3031	43h	Use rnwys only.
Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(P) Lampasas Co. (Lampasas,Tex)	6 NW;RR S	1480	42 S2	80 oct.
Levelland (Tex)	2 S;hwy W	3550	25 S1	80 oct.P-line NW,SW.
NEW FACILITIES				
Maker (Abilene,Tex)	2.7 W;hwy,RR N	1750	30 S6	80 oct.P-line N,NE,NW.
Goldthwaite (Tex)	2.6 WSW;hwy NW	1400	35 S2	80 oct.P-line W.
Vernon (Tex)	2.3 SSE;hwy W	1210	27 S6	80 oct Rough N,soft S ends

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Llano Co.(Llano, Tex)	2.4 NNE;riv NE	1029	40 S1	73 oct.
Lovington (N.M.)	0.8 E;hwy S	3985	36 S1	73 oct.P-line S,SE,SW.
Loyd Hines (Dublin, Tex)	1.3 NW;RR SW	1260	18 S1	73 oct.Poles NW,SW,SE.
LUBBOCK Army Range (Tex)	224 (DHH)	173°,3.7	MRLWZ	
(A) Lubbock AAF (Tex) (A)	9 W;RR S	3332	65h	TEMP INACT.NO FACS.
(A) Marfa AAF (Tex) (A)	9 ESE;RR N	4885	75h	CLOSED.
(P) Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED.
MIDLAND Army Range (Tex)	209 (DON)	48°, 3.8	MRLWZ	
(A) Midland AAF (Tex) (A)	9.5 WSW;RR S	2867	64h	CLOSED.
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18 (6-24)
(A) Midland #2 AAF (Tex) (A)	3 NW;rd E	2805	64h L5 S4	91,100 oct.JP-1.No sto.
Midland Com. (Tex)	1.1 SSE;hwy N	2800	30 S6	80 oct.P-line sur fld.Strip ends rough
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto.
Monahans (Tex)	1.2 SW;RR N	2643	32 S6	80,91 oct.P-line SSW.
North Concho (San Angelo, Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE.
(P) Olney (Tex)	4 WSW;rd S,N	1274	55h L5 S6	80,91 oct.Lgts prior req.
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Paducah (Tex)	2.5 ESE;RR NW			ABANDONED
Parker (Texon, Tex)	2.3 W;RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Portales (N.M.)	4.5 SW;RR NNW	4200	46 S1	73 oct
Post (Tex)	0.8 NE;RR W	2700	28	SSW,W blckd Canyon E
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91, 100 oct. No sto.
Ranger (Tex)	1.5 SSW;RR W	1420	28 S6	80 oct. P-line NE.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld.
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld.
Rotan (Tex)	1.4 NNW;rd E	2000	26	Poles E. CAUTION.
SAN ANGELO-MATHIS Tower (Tex)	272		CI	(4) (12-1 hr. after sunset)
(P) SAN ANGELO-MATHIS (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct.
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips.
Seymour (Tex)	1.3 SE;riv SW	1300	27 S1	80 oct
[Sheppard/Kell Mun.](Wichita Falls, Tex)	5.8 N;hwy W	1028	66h L5 S6	80,91,100 oct.
Sky Harbor (San Angelo, Tex)	4.6 NNW;RR SW	1840	30 L3 S4	80, 91 oct. After 2100 lgts on req.P-line W,NW.
Sky Haven (Midland, Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
SOUTH PLAINS AAF Tower (Tex)	272		CA	(4) (8-17 Mon-Fri)
(A) [South Plains AAF](Lubbock)	5.5 NNE;RR W	3256	65h L5 S6	73,100 oct.(Tex)
Spur (Tex)	2.2 S;RR N	2363	28 S4	80, 91 oct.
Stamford (Tex)	2.5 N;hwy E			ABANDONED.Port rnwy lgts
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct.prior req.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts
Taylor (Albany, Tex)	1 N;RR SW	1429	28 S2	80 oct.
Triangle (Brownfield, Tex)	1.8 SSW;RR NW	3200	20 S2	73 oct
U & S Fly Svc.(Big Spring,Tex)	1.5 N;hwy 1S	2517	34 S6	80 oct.P-line N,NNE.Ctn
Victory (Vernon, Tex)	5.9 SSW;hwy E	1230	20h S2	No fuel E/W strip
Weaver (Eastland, Tex)	1 NE;RR S	1576	31 S6	80 oct.
* West Brook Int,32,EO-FV (Tex)	1.3 S;RR N	2188	34 L3	P-line N,S.
White (Brady, Tex)	10 W;RR N	1550	73	
WICHITA FALLS Range (Tex) (Sheppard/Kell Mun.)	239(WF)(116.1)	305°,1.7	SBMRAZ-DTV	(4); 116.1, 122.1
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260(WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80, 91 oct
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
NEW FACILITIES				
GUTHRIE Range (Tex)	108.3(UH)		VARW	
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex)	14.8 S;ranch 4 E	2127	26	
Paudler (Crosbyton, Tex)	1.5 E;RR W	3108	19 S2	80 oct.P-line N,NE,NW.
Tahoka (Tex)	1.3 SSW;hwy F	3090	41 L S6	80 oct.P-line NE,W,NW.
Winston (Littlefield,Tex)	7.5 ENE	3550	43	P-line W. Strip lgts prior req.
Westodessa (Odessa,Tex.)	1.5 WSW;RR S	2880	33 S2	80,91 oct.P-lines NNW,SSE
Decker Ranch (Candelaria,Tex)	11 NNE;cliff 2 E	3650	29	PRIVATE
Graham (Tex)	2 ENE;hwy,RR N	1060	40 S3	80 oct.P-line NW,W,N.Trees SW.
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 S1	80 oct.
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW
Snyder (Tex)	1.3 S	2270	21 S2	80oct.P-lines NW,W,SE.E blkd


ALBUQUERQUE 83 OKLAHOMA CITY 85
TO CLARENDON
TO WASHINGTON
PORTALES
DORA
DUGGAN
WINSTON
FLOYDADA
BUZZ
VERNON
VICTORY
ELECTRA
GILCHRIST
WICHITA FALLS
239
116.1 MC
SHEPPARD (KELL)
HOLMAN
TO FORT WORTH
STATUTE MILES
ALBUQUERQUE
EL PASO
FLYING "M" RANCH
IDALOU
PAUDLER
258
FOR GUTHRIE
VHF RANGE
SEE CHART 145
SEYMOUR
LEVELLAND
SOUTH PLAINS AAF
272 KC
LUBBOCK (W)
224
COMMERCIAL
LUBBOCK AAF
SPUR
KNOX CITY
OLNEY
N.MEX.
TEX.
BROWNFIELD
TRIANGLE
IAHOKA
POST
FORT WORTH
EL PASO
On request
GRAHAM
HARPERSVILLE
284
116.1 MC
HOBBS AAF
293
LOVINGTON
DENVER CITY
ARLEDGE
ROTAN
ANSON
BRECKENRIDGE
FORT WORTH
365
LAMESA
SNYDER
BIG SPRING
326
116.1 MC
ABILENE
379
116.1 MC
TAYLOR
STRAWN
WACO
SEMINOLE
HOGG
COLORADO CITY
LION'S CLUB
AVENGER
HARPERSVILLE
HOBBS MUN.
HOBBS AAF
272 KC. 126.18 MC.
WESTBROOK
WEAVER
CISCO
DALLAS
GORDON
MIDLAND NO 2 AAF
219 KC 126.18 MC.
STANTON
U AND
GREEN 5
MAKER
BAIRD
RANGER
GORMAN
STEPHENVILLE
LOYD HINES
ABILENE AAF
ABILENE AIR TERM.
278 KC 118.7 MC.
WINK
260
116.1 MC
CONTINENTAL
SPADE RANCH
WINGATE
WINTERS
COMANCHE
HINES
KERMIT
MIDLAND
SKYHAVEN
MIDLAND COM.
COLEMAN
BROWNWOOD
SALT FLAT
W ODESSA
ECTOR CO.
MIDLAND AAF
BIG SPRING
278 KC 118.5
126.18 MC
GOODFELLOW AAF
BRUCE
NO. CONCHO
SKY HARBOR
MILLER
FORT WORTH
SAN ANTONIO
GOLDTHWAITE
WINK
MIDLAND (W)
209
MONAHANS
ANDERSON
PECOS AAF
CRANE CO.
RITA SANTA
EL PASO
SAN ANTONIO
GOODFELLOW AAF
227
RED 38
CURTIS
WHITE
LAMPASAS CO.
PYOTE AAF
272 KC. 126.18 MC.
RANKIN
BIG LAKE
McCAMEY
SAN ANGELO-MATHIS
272 KC
IRAAN
IRAAN MUN.
ELDORADO
C-B RANCH
MASON CO.
LLANO CO
BURNET
GIBBS
WIN
KINSER RANCH
OZONA
STARNS
MARFA AAF
BLUE 30
MEDINA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 10°E
BIG SPRING 121
SAN ANTONIO 125
FORT WORTH 109
SAN ANTONIO 125
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
EL PASO 105
ABILENE 107

FORT WORTH

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Bowie (Tex)	2.8 NW;bet RRs	1050	19	Cattle on fld. Trees N.
Brown (Bonham, Tex)	8 N;hwy W			ABANDONED
Byrn's Sky Ranch (Hillsboro, Tex)	5.8 NE	820	25 S6	80 oct. Data unver. Trees
Carthage Air Svc. (Tex)	1.3 W;hwy N,S	310	30 S2	80,91 oct. P-line N. E,W.
Clarksville (Tex)	2.8 NNW;RR SW	480	20 S6	73,80 oct.
Cleburne Northwest (Tex)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
Commerce (Tex)	3.4 NNE	548	27 S6	80,91 oct. Hwy SE.
→ Commercial (Durant, Okla)	5.2 W;RR N			ABANDONED
→ Corsicana, com. (Tex)	2.8 SW;bet rds			ABANDONED
Corsicana, mun. (Tex)	5.6 SE;RR E	448	20h S6	
(A) Cox AAF (Paris, Tex)(A)	6.5 ESE;RR N	546	46h	CLOSED.
DALLAS Range (Love)(Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Decatur (Tex)	1.5 N;rd SW	1100	26 S2	80 oct.
Denton (Tex)	4 WSW	630	42h S6	80,91 oct.
DUNCANVILLE H Fac. (Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
(P) → Eaker (Durant, Okla)	3.2 SSW; RR NW	703	50h L5 S6	80,91 oct. All lgts prior req.
Elder (Kilgore, Tex)	2.5 NE;RR E	352	27 S6	80,87,91 oct. P-line W.
(P) Ellis Co. (Waxahachie, Tex)	3.5 NE;RR S	585	31 S2	73 oct. P-line S.
Ennis (Tex)	1.5 NW;RR E	540	18 S4	Ltd 73 oct. No sto.
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°, 2.4	SBRAZ-DTXV	(3); 116.1, 122.1
Gage (Teague, Tex)	1.7 N		22 S4	80 oct. P-line W. Data unver
(A) Gainesville (Tex)	3.8 WNW;RR S	833	45h S5	80,91 oct. ARMY TEMP INACT.
Gainesville com (Tex)	3 NNE;hwy W	800	30	CLOSED
(A) Gaskin (Sherman, Tex)(A)	12.6 SW;rd E	745	40h	TMP INACT-NO FACS.
GRAUWYLER PARK H Fac.	311 (L)	356°,0.8	MHW	(Cont.) Dallas (Tex)(NC)
Gray (Denison, Tex)	2.5 E;RR N	675	24 L S6	80 oct. Emerg. lgts by circling fld.
(P) Gregg Co. (Longview, Tex)	7.2 S;riv N	365	52h S1	80,91 oct.
(P) Hamilton (Tex)	2.3 SSW;hwy E	1250	47 S6	80 oct. Fence sur fld. req.
→ Hartlee (Denton, Tex)	5.4 NE	588	40 L S6	80,91 oct. Port lgts prior
HASLET H Fac. (Tex)	371 (T)	1°,8.1	FMHW	(Cont.) Ft. Worth P-line S.
Henderson (Tex)	2.1 WNW;hwy S	410	19 S2	73 oct.
Holmes (Gilmer, Tex)	4 N;RR W	370	23	P-line W. Cattle on fld.
(P) Idabel (Okla)	1.3 NW;RR E	500	39 S2.	80 oct. P-line NE
Jacksonville (Cypress, Tex)	3 N;RR E	500	26 S6	73,80 oct. P-line ENE.
Jones (Bonham, Tex)	2 NNE;hwy E	616	18 L S1	80,91 oct. Lgts on req.
Legion (Paris, Tex)	1.9 NW;RR E	538	31 S6	80 oct. P-line E.
LOVE Tower (Dallas, Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	No flood lgts. 73-100 oct. Poles S
McKinney (Tex)	2.1 S;hwy W	616	23 S2	80 oct. Poles E,W.
(P) Majors (Greenville, Tex)	5 SSE;RR W	544	55h S4	80, 91 oct.
Marshall (Tex)	3.9 SE;hwy N	400	30 S6	73 oct. P-line N.
MEACHAM Tower (Fort Worth, Tex)	272 (126.18, 118.7)		AC (ILS)	(4);126.18,118.7,122.5
(N)(P) [Meacham] (Fort Worth, Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73-100 oct. NATS (Hospital flfghts)
Mexia (Tex)	1 SE;RR NW	550	24 S2	80 oct.
→ Mount Pleasant (Tex)	2.8 ENE;RR S			ABANDONED
Muenster (Tex)	2.6 E;RR S	1010	26 S1	80 oct. P-line S.
(P) Nacogdoches (Tex)	4 WSW;hwy E	370	43h S5	80, 91 oct.
(P) Palestine (Tex)	4.5 WNW;hwy N	410	40h L5 S6	80, 91 oct.
* Parker Int, 48, JI-FV (Tex)	0.6 N;hwy W	847	31 L3	
(A) Perrin (Sherman, Tex)(A)	6.4 NNW;RR N	753	51h	TMP INACT. NO FACS.
(P) [Pounds] (Tyler, Tex)	5.5 W;hwy N	543	51h L5 S4	80,91 oct. Ctc lgts prior req. No sto.
(P) Rusk Co. (Henderson, Tex)	2.5 WSW;hwy N	440	30h	
Rodeo City (Jacksb'o, Tex)	4.5 N;arena W	1080	23 S2	80 oct. P-line SE. Trees SSE
St Jo (Texas)	1 N;lake 1 E	952	37	P-line NNE
Seventy-Five (Corsicana, Tex)	1.8 N;RR W	480	21 L S6	73 oct. No sto. Port rnwy lgts. Poles NW.
Sherman (Tex)	1.4 SE;hwy N	749	25h S6	80 oct.
* Simms Int, 14, DL-LV (Tex)	1 NE;hwy E	357	26 L3	P-line E,S.
South Sulphur (Greenville)	9.5 NNE	550	30	(Tex)
Southworth (Ft. Worth, Tex)	4.2 S;crk W	650	25 S4	80,91 oct.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct. Port rnwy lgts.
Stewart (Tyler, Tex)	2.5 E;hwy N	520	32 L S6	80,91 oct. Poles W. Ctc lgts prior req. Rnwy data
SULPHUR SPRINGS H Fac.	224 (ZO)		MHW	Operates cont. unver.
Sulphur Springs, 7B, DL-LV (Tex)	1.9 NW;RR S	472	35 L3 S1	80 oct. P-line S,SE.
TYLER Range (Tex)(Pounds)	320(TQ)(116.1)	120°,1.6	BMRLZ-DTV	(4);116.1,122.1
WACO Range (Tex)(Mun.)	385(WC)(vhf)	9°, 2.6	SBRAZ-DTV	(4); 116.1, 122.1
Waco (Tex)	7 NNE;bet RRs	470	63h	
→ [Waco Mun.] (Tex)	6 NW;lake S	510	57h L5 S6	80,91,100 oct.
(A) Waco #5 (Prairie Hill, Tex)	2 S;hwy N	560	40h	CLOSED (A) NOT MAINT.
Waxahachie (Tex)	1.5 SSW	558	16 S1	73 oct. Hwys E.
Weddington (Hugo, Okla)	1.9 NW;hwy SW	550	24 S6	80 oct. P-line E.
Whaley (Gainesville, Tex)	5.7 WSW;RR N	820	20 S6	80 oct. P-line N.
** Wills Point Int, 7, FV-AG	5.9 NW	529	28 L3	(Tex)
Wisener (Mineola, Tex)	1.5 NW;hwy S	510	32 S2	73 oct.
Wolfe City (Tex)	2 N		20	No fuel. P-lines N. Data unver.

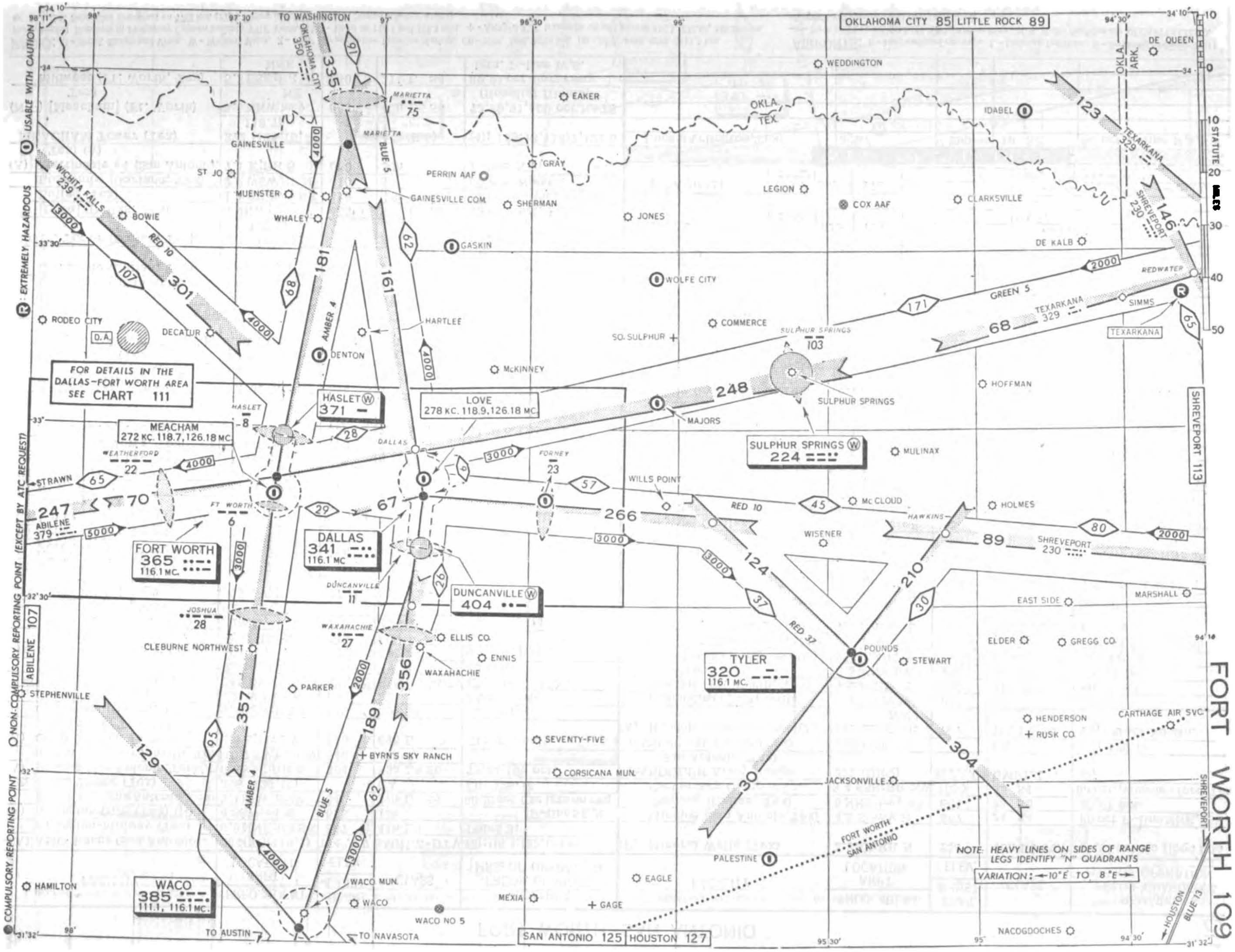
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LOVE	110.3	335	126°	IM-	MM- •—•—(0.7)	OM- ——(4.35)	
					MMK-	OMK-	
				IM-	MM-•	OM-	
MEACHAM	109.9	333.8	172°	IM-	MM- •—•—(0.71)	OM- ——(4.10)	
					MMK- 356 •••—	OMK-	

NEW FACILITIES

East Side (Longview, Tex)	2.4 NE;RR S	352	25 L S6	80,91 oct. Port rnwy lgts. P-line S
Hoffman (Mt. Pleasant, Tex)	2 SSW;RR E	416	32 S4	80 oct. P-line N.
Mulinax (Winnsboro, Tex)	1.3 SE	533	26 S1	80 oct. P-line NNE.
Irving (Tex)	1.6 NNE;hwy N	420	28 S6	80,91 oct. P-line N,W
De Queen (Ark)	3 NW;rd E,S	400	24 S1	80 oct. Appchs blkd
Pulley (Arlington, Tex)	0.6 N	616	28 S4	80 oct. P-line NW Trees S.
Skyview (Ft. Worth, Tex)	9.3 NNW;lk 2.5 W	790	32 S1	80 oct. P-line NW
Eagle (Fairfield, Tex)	1.4 E	461	24 S2	80 oct. P-line S
Marshall's (Dallas, Tex)	7.2 SE		28 S6	80 oct. P-line SW,S

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice (vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs h-hard surfaced runways. R-radio facilities L-lighting facilities. S-servicing (see page IV) → NEW OR REVISED DATA (NC)-Not charted [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED Airports are indented and non-capitalized


FORT WORTH 109
OKLAHOMA CITY 85 LITTLE ROCK 89
TO WASHINGTON
OKLAHOMA CITY 350
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
ABILENE 107
SHREVEPORT 113
SAN ANTONIO 125 HOUSTON 127
FOR DETAILS IN THE DALLAS-FORT WORTH AREA SEE CHART 111
MEACHAM 272 KC. 118.7, 126.18 MC.
HASLET 371
LOVE 278 KC. 118.9, 126.18 MC.
FORT WORTH 365 116.1 MC.
DALLAS 341 116.1 MC.
DUNCANVILLE 404
SULPHUR SPRINGS 224
TYLER 320 116.1 MC.
WACO 385 111.1, 116.1 MC.
ABILENE 247 379
MARIETTA 75
HASLET 22
EATHERFORD 22
FT. WORTH 6
DUNCANVILLE 11
JOSHUA 28
WAXAHACHIE 27
FORNEY 23
SULPHUR SPRINGS 103
REDWATER
TEXARKANA
SIMMS
DE QUEEN
IDABEL
WEDDINGTON
EAKER
GRAY
PERRIN AAF
LEGION
COX AAF
CLARKSVILLE
DE KALB
JONES
SHERMAN
GAINESVILLE COM.
GAINESVILLE
ST JO
MUENSTER
WHALEY
BOWIE
RODEO CITY
D.A.
DECATUR
GASKIN
WOLFE CITY
COMMERCE
SO. SULPHUR
HARTLEE
DENTON
McKINNEY
HOFFMAN
MAJORS
MULINAX
WILLS POINT
Mc CLOUD
HOLMES
WISENER
EAST SIDE
MARSHALL
ELDER
GREGG CO.
POUNDS
STEWART
HENDERSON
RUSK CO.
CARTHAGE AIR SVC.
ELLIS CO.
ENNIS
PARKER
CLEBURNE NORTHWEST
STEPHENVILLE
SEVENTY-FIVE
BYRN'S SKY RANCH
CORSICANA MUN.
JACKSONVILLE
PALESTINE
EAGLE
MEXIA
GAGE
WACO MUN.
WACO
WACO NO 5
HAMILTON
TO AUSTIN
TO NAVASOTA
NACOGDOCHES
STRAWN
RED 10
RED 37
GREEN 5
AMBER 4
BLUE 5
BLUE 13
WICHITA FALLS 239
TEXARKANA 329
SHREVEPORT 230
SHREVEPORT 290
FORT WORTH SAN ANTONIO
HOUSTON
OKLA.
TEX.
ARK.
STATUTE
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ← 10°E TO 8°E →

FORT WORTH - SAN ANTONIO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1(Tex)
Arlington-Midway (Tex)	6.8 NNE;RR S	567	41h L5	Poles S.
(N) Arlington OLF (Tex) (N)	4 SSW;rd W	695	13h	P-line SE,SW.
Bexar Co. (San Antonio,Tex)	7.1 SSW;rd W	640	37h L S6	80,91oct.Ctc lgts on req.
BROOKS Tower (Tex)	396 (126.18)		CA	(3); 126.18
(A) Brooks (San Antonio,Tex)(A)	6.5 SSE;RR W	594	52h L5 S6	73,91,100 oct.
Caddo Mills (Greenville,Tex)	10.7 SW;hwy W	540	40h	
(A) Clear Springs #5 (New Braunfels, Tex) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Clearview (Dallas, Tex)	5.1 SSW;RR N	619	30h S6	80, 91 oct.
Craigg (Sayers, Tex)	1.8 W;hwy N	650	29	Emerg. use.
DALLAS Range (Love)(Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Davis (San Antonio, Tex)	6.7 N;RR SE	780	17 S1	80 oct.
DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
Eagle Mtn Lake	1 SSE;RR NE	745	60h	CLOSED (Newark,
Laurie (Gonzales, Tex)	2 NNE	340	22 S4	80 oct.P-line NNE Tex.)
Fliers (Dallas, Tex)	6.5 WSW;RR W			ABANDONED
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°,2.4	SBRAZ-DTXV	(3); 116.1, 122.1
FORT WORTH AAF Tower	317(126.18)+		CA ● ;45,05	(3); 126.18
(A) Fort Worth AAF (Tex)(A)	6.8 WNW;lk N	636	82h L5 S6	73,91,100 oct. P-1.
(N) Grand Prairie OLF (N)(Tex)	1 WSW;RR N	529	30h L5 S4	73 oct.No ocn.
GRAUWYLER PARK (Tex)(NC)	311(G)	356°,0.8	MHW	(Cont.) Dallas
Handley (Tex)	0.6 NE;RR S	630	26 S6	73 oct.
HASLET H Fac.(Tex)	371 (T)	1°, 8.1	FMHW	(Cont.) Ft. Worth
HENSLEY Tower (Tex)	396 (126.18)		CA	(4); 126.18
(A,N)Hensley (Dallas,Tex)(A,N)	11 WSW;hwy N	495	52h L5 S4	73,91,100 oct.
Hicks (Ft. Worth, Tex)	12.5 NNW	820	27	Lake W.
Highland Park (Dallas,Tex)	9 N;RR E	622	27h L S6	80,91 oct.P-line E Ctc lgts N/S rnwy. Data unver.
Hudson (Dallas, Tex)	9.6 NE;RR SE	614	17h S6	80,91 oct.P-line W.
Hurt (San Antonio, Tex)	6.5 WNW	680	40 S6	80,91 oct.P-line N,W.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio,Tex)(A)	6.2 WSW;RR SE	675	72h L5 S6	62,73,91 oct.JP-1. FOR.CLEAR.STN.
Kuehler (New Braunfels,Tex)	1.7 SE;riv NW			ABANDONED.
Lake (San Antonio, Tex)	10 S;RR E	700	27 S1	80,91 oct.
Leon Valley (San Antonio)	8.6 WNW;hwy E	710	40 S6	73,80,91 oct. P-line N,W
Lou Foote (Dallas, Tex)	8.8 S;hwy E	665	35 S6	73,80,91 oct.Bldgs NW. N, NE.
LOVE Tower (Dallas, Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18 No flood lgts.
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	73-100 oct. Poles S.
Luling (Tex)	1.1 SE;hwy NE	418	18 S1	80 oct.P-lines sur fld.
Luscombe (Garland, Tex)	2.2 WSW;RR N	610	50 S5	80 oct. No sto.
(A) Martindale #4 (San Antonio, Tex) (A)	7.1 E;RR S	660	30h	P-line NW
MEACHAM Tower (Tex)	272 (126.18, 118.7)		AC (ILS)	(4); 126.18,118.7,122.5
(N,P) [Meacham] (Ft. Worth) Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73,80,91,100 oct.NATS (Hospital flights)
Midwest (Ft. Worth, Tex)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts. P-line W,S.
(P) Mineral Wells (Tex)	3.2 SE;RR N	938	42h L5 S4.	80,91 oct.No flood lgts
Mission (San Antonio,Tex)	4.5 S;hwy E	567	24 S4	80 oct.P-line NNE,SSE.
Mustang (Dallas, Tex)	6 NNE;hwy NE	604	32 S6	80,91 oct.
Parker Sky Camp	3.4 SSE;RR NW	1050	23 S4	80 oct.(Weatherford,Tex)
RANDOLPH Army Range (San Antonio, Tex)	359 (DRQ)	322°,2.04	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio)(A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riomedina (Castroville)	4.5 N;riv W	855	45	(Tex)
Russell (Ft. Worth, Tex)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
Saginaw (Tex)	0.5 WNW;RR E	790	26 S6	80, 91 oct.
SAN ANTONIO Range (Kelly)	254(ZN)(116.1)	107°,1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO [San Antonio Mun.-Alamo] (San Antonio, Tex)	278 (118.5) 7.8 N;RR SE	800	C (ILS) 55h L6 S4	(4);118.5,122.5,126.18 80,91 oct.
Schneider (Seguin, Tex)	2.2 WNW;RR N			ABANDONED.
Second Ave.(Dallas,Tex)	7 SE;RR N	530	26 S1	73,80 oct.Use strips. Poles S.
Seguin (Tex)	3.3 WSW;riv E	400	37 S4	80 oct.Trees NNE,SSE.
(A) Seguin #1 (Tex) (A)	3 E;rd N	520	54h	
Skyline (Dallas, Tex)	3.2 SSE;riv E	430	26 S6	80,91 oct.Trees NW.
Sky Ranch (Arlington,Tex)	See Lucas Field under "New Facilities" - name changed			
STINSON Tower (Tex)	209		CI	3105, 6210 (8-21)
Stinson (San Antonio,Tex)	6.2 SSE;hwy W	604	49h S6	80,91 oct.P-line S,WNW
T.C.U. (Ft. Worth, Tex)	6.6 SW;RR S	710	24 S6	80, 91 oct.
Terrell Mun. (Tex)	1.5 SE;RR W	490	30h	80, 91 oct.
Wallace (Terrell, Tex)	2 W;RR S	500	19 S2	80 oct.
Wallace #2 (Kaufman,Tex)	4 W;hwy N			ABANDONED
Weatherford Mun. (Tex)	1 W;hwy N	1147	38 S4	80 oct.
White Rock (Dallas,Tex)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
Yates (San Antonio, Tex)	13.7 N;hwy 0.5 W	968	33	6' fence sur fld.Use fld at own risk.
YOAKUM H Fac. (Tex) (Int.)	236 (YK)	352°,2.8	HW	
Yoakum (Tex)	4 N;hwy W	375	22 S6	80,91 oct.
★ Yoakum Int,T,JP-HU (Tex)	5 NW;hwy S	387	39 L3	
(A) Zuehl #6 (Tex) (A)	0.8 NE	610	30h	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALAMO	109.9	333.8	30°	IM-	MM-●—●—(0.68)	OM- ——(4.38)
					MMK-	OMK- 230●—●—
LOVE	110.3	335	126°	IM-	MM-●—●—(0.70)	OM- ——(4.35)
					MMK-	OMK-
				IM	MM-	OM-
MEACHAM	109.9	333.8	172°	IM-	MM-●—●—(0.71)	OM- ——(4.10)
					MMK- 356 ●●●—	OMK-

NEW FACILITIES

Lucas(Arlington,Tex)	3 SW	590	19 S2	80 oct.P-line N,S,NW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 2217.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.55 mcs. ● A.A.C.S. Scheduled Broadcast on 3765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

(SEE CHART 109)

DALLAS - FORT WORTH AREA

WICHITA FALLS
TO MARIETTA
TO MARIETTA
CADDO MILLS
EAGLE MTN LAKE
HASLET 371
DALLAS 341 116.1 MC
FORT WORTH 365 116.1 MC
DALLAS
LUSCOMBE
HIGHLAND PARK
HUDSON
MUSTANG
WHITE ROCK
GREEN 5
REDWATER
WEATHERFORD
HICKS
SAGINAW
SKYVIEW
LOVE 278 KC. 118.9, 126.18 MC
ARLINGTON
IRVING
STRAWN
MINERAL WELLS
WEATHERFORD
PARKER
MEACHAM 272 KC. 118.7, 126.18 MC
FORT WORTH AAF 317 KC. 126.18 MC
HANDLEY
GRAND PRAIRIE OLF
SOUTHWORTH
MIDWEST
LUCAS
RUSSELL
ARLINGTON OLF
T.C.U.
HENSLEY 396 KC. 126.18 MC
SKYLINE
MARSHALL 5
SECOND AVENUE
CLEARVIEW
DUNCANVILLE
DUNCANVILLE 404
LOU FOOTE
WALLACE
TERRELL
RED 10
HAWKINS
TO WACO
TO WAXAHACHIE

(SEE CHART 125)

SAN ANTONIO AREA

STATUTE MILES 0 10 20

BIG SPRING
AUSTIN
ALAMO 344 116.1 MC (R)
SAN ANTONIO (ALAMO) 278 KC 118.5 MC
RANDOLPH AAF 272 KC 126.18 MC
FAUST
CLEAR SPRINGS NO 5
LULING
SEGUIN
SEGUIN NO 1
FAURIE
ZUEHL NO 6
RANDOLPH AAF 359
LEON VALLEY
DAVIS
YATES
HURT
RIOMEDINA
SAN ANTONIO 254 116.1 MC
MARTINDALE NO 4
CRAIGG
MISSION
BROOKS AAF 396 KC 126.18 MC
STINSON 209 KC
KELLY AAF 219 KC 126.18 MC
LARE
TO PLEASANTON
LAREDO
YOAKUM INT
YOAKUM
YOAKUM 236

CHART 111

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) (R): EXTREMELY HAZARDOUS (O) USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

SHREVEPORT

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
★ Arcadia Int,26,FV-AG	4.5 E;RR,hwy S	342	29 L3	P-line SW. (La)
Arkadelphia,24,DL-LV	1.5 ENE; RR NW	186	40 L3 S6	80 oct. (Ark)
Ashley Co.(Crossett,Ark)	5.5 NE;RR E	160	27 S2	80 oct.P-line S.Trees N.W
Atlanta Mun. (Tex)	2 WSW;hwy NW	264	37	P-line ESE,SSE.
Baker (Magnolia,Ark)	4.3 E;hwy S	300	18 S6	91,80 oct.P-line SW.
BARKSDALE Army Range (Shreveport) (La)	379 (DBY)	325°,4.4	SBMRAZ	(3)
BARKSDALE Tower (La)	396 (126.18)+		CA(ILS-W) (GCA)	(3); 126.18
(A) Barksdale (Shreveport, La) (A)	5.8 E;riv W	167	100h L5 S4	73,91,100 oct. JP-1.
Bastrop (La)	2.8 WSW;riv W		18 S1	80 oct.
Burnside & McDonald (Newellton, La)	1.5 SW;RR E	77	40	
Childress (Flora,Miss)	1.5 NNW;RR E	186	30 S1	73 oct.Trees,bldg N.
Cleveland (Miss)	2 NW;hwy S	140	26 S6	80 oct.P-line S,W.
Cole (Heads, Miss)	3 NE;RR W	118	16	
Cypress(Greeny'l,Miss)	2.4 SSW;hwy W	125	28 S4	80 oct.-NNE blkd.
→ David G. Joyce(Winnfield)	See Joyce under "New Facilities" - name changed.			
Delhi Flying Svc. (La)	0.5 N	95	23 S4	80 oct.P-line E.Data unver
(P) De Soto Parish	4.3 NW;	322	51h S2	80,91 oct. (Mansfld, La)
Dixie Dusting (Greenv'l)	2 SE;RR,hwy N	118	16 S4	73 oct.No sto.(Miss)
Dossett(Beulah,Miss)	0.5 SE	160	21 S2	80oct.P-line S,SW.E.
El Dorado (Ark)	1.5 S;rds W,E	277	24 S6	80 91 oct.P-line E. blkd.
(P) El Dorado-Goodwin (Ark)	8.6 W;hwy S	278	51h L5	No bound.flood,obst lgts.
Everett (Moorhead, Miss)	1 SE;RR N	127	37 S6	73 oct. No sto.
Ferriday (La)	1.5 N;RR,hwy E	55	17	
Gardner (Gilbert, La)	1 E;hwy S	75	16	PRIVATE
Grayson (Camden,Ark)	3.4 SW; hwy N	135	26 S6	80,91 oct P-line NE;trees SSW.NNE
Greenville,mun. (Miss)	3.5 ESE;hwy N	118	40h S4	80 oct.
(A) Greenville AAF (Miss)(A)	6.5 NE;rd W	129	40h L5 S2	80,91 oct.P-line E,SE.
Hart (Many, La)	1.8 SSW;RR E	242	24	Trees SSW.
→ Hinds Co.(Jackson,Miss)	12.8 W;RR 1.3 SE	244	40h	Pwrline N.
Hodge (La)	0.5 ENE ;hwy W	300	24	Trees sur fld.
Hope (Ark)	6 NW; RR E	359	55h L5 S6	80,91 oct.Use rnwys only when wet.
Jones(Merigold,Miss)	0.8 N;hwy,RR W	142	13 S1	80 oct
Sharpe(Natchez,Miss)	1.8 ESE;RR S	135	26 S4	80 oct. N,W blkd Soft
Lakeview (Leland,Miss)	1.5 SE ;lake E	120	16 S4	80oct.N,E blocked
Strange(Tutwiler,Miss)	0.7 SSE;hwy W,E	160	22 S6	80 oct.N blckd.
Leland (Elizabeth,Miss)	1.5 NE	119	20 S1	80 oct.Pwrline NW.
LeTourneau(Yokena,Miss)	2.5 NW;riv NW	80	30 L S1	91oct.Bndry lgts pri.req.
Longview(Warrenton,Miss)	0.3 SE;RR W	110	20 S4	80 oct.E blkd P-line W
Lucien (Shreveport, La)	8 S;RR E	170	32 S6	80,91 oct.
Magnolia (Ark)	1.6 WSW;RR E	225	30	10' bldg SSW.
McGehee (Ark)	0.6 NNW;RR E	145	30 S1	80 oct. Hwy E.
Minden (La)	1.5 W;RR S	200	26 S4	80 oct. Trees sur fld.
MONROE Range(Selman)(La)	359(UO)(116.1)	25°,2.8	SBMRLZ-DTV	(4);116.1,122.1
Monroe Arpk (La) (old)	2.5 N;riv W	77	20 S1	80 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	
(P) Natchitoches (La)	1.5 SSW;RR E	115	41h L5 S6	80 oct.; ltd 90 oct. Ctc lgts prior req. No bcn.
Ruston (La)	1.2 SE;RR N	317	16h L S6	80,91 oct.Lgts prior req.
(P) Selman (Monroe, La)	3 E;RR N	79	50h L5 S6	80, 91 oct.
SHREVEPORT Range (La)	230(ZH)(116,1)	146°,1.8	SBRAZ-DTV	(3);116.1,122.1
SHREVEPORT Tower (La)	278 (126.18, 118.7)		AC	(4); 126.18,122.5,118.7
(P) Shreveport (La)	2.5 NNE;riv E	179	45h L5 S6	73, 80 oct.
Shreveport Arpk (La)	4.5 SSW;bet RRs	200	47 S6	80,91 oct.P-line SE.
Skinner (Glen Allan,Miss)	4 N;lake W	110	18 S1	73 oct.
★ Tallulah Int,36,FV-AG	2.4 ENE;hwy E	84	28 L3	(La)
TEXARKANA Range (Ark)	329(TR)(116.1)	123°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
Texarkana (Ark)	4 NE;RR W	389	40h L5 S6	80,91,100 oct.;100 oct.
Texarkana (Tex)	6 W;RR N	340	25 L S6	80,91 oct.Flare Army. pots in emerg.
Ulmer (Brookhaven, Miss)	1.5 NNE;RR W	500	24 S4	80 oct.
VICKSBURG H Fac.(Miss)	382(VS)(116.1)		MHTV	(4); 116.1,122..
→ Vicksburg (Miss)	6.8 NE;hwy W	287	40 S4	80, 91 oct.Obst sur fld.
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct.
Woodside (Grace,Miss)	1.4 NW	106	24 S1	80 oct Tree SE;bldg NW
Yazoo Mun. (Miss)	2 N;RR E	110	18 S4	80 oct.No sto.
→ Watts (Round Lake,Miss)	3 N; hwy W	145	26 S2	Priv.80,91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

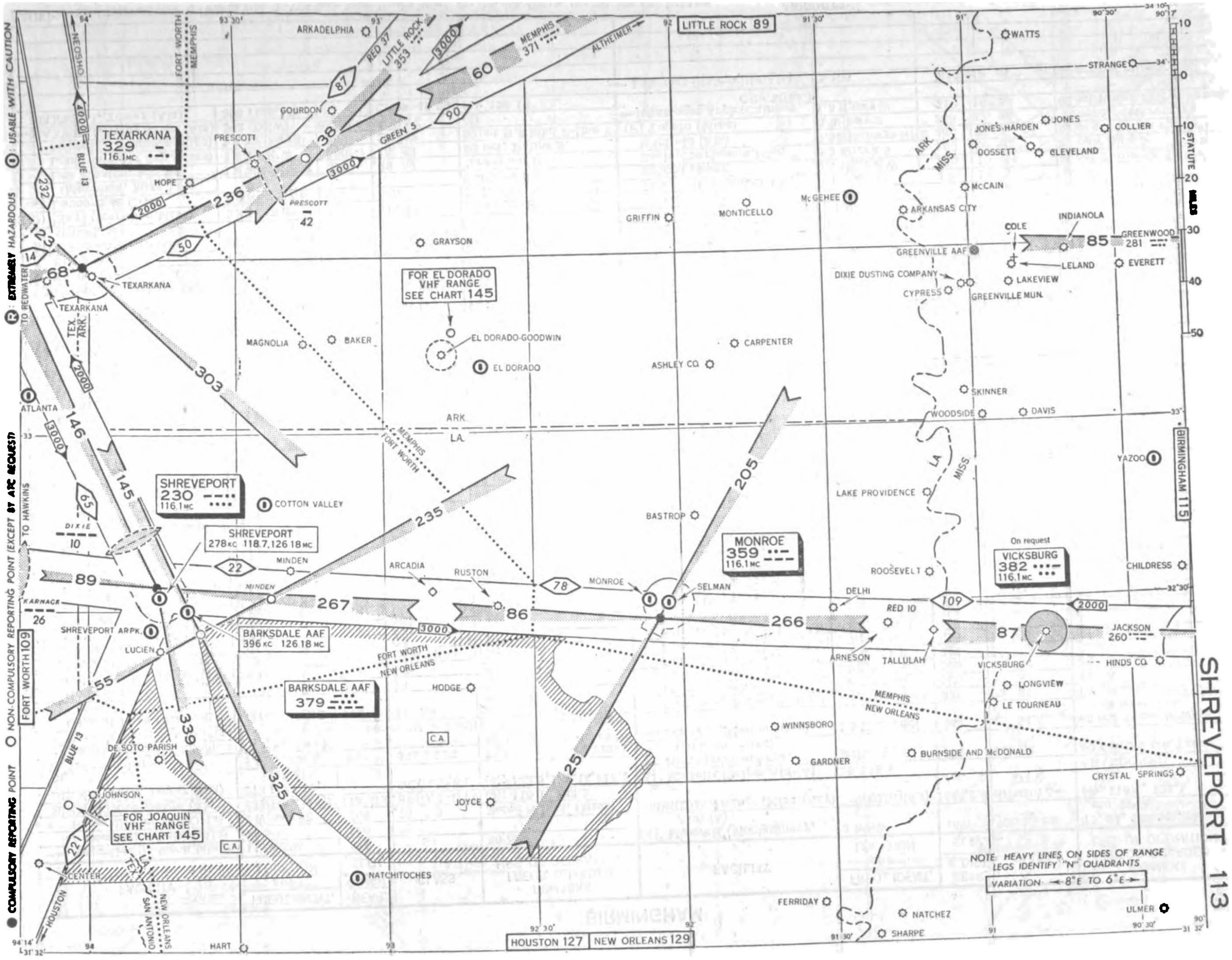
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BARKSDALE(A)	109.9	333.8	143°	IM- (0.01)	MM-·····(1.00)	OM- --(4.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

EL DORADO Range(Ark)	109.1 (LD)		VARW	
JOAQUIN Range (Tex)	(108.7)(WE)		VARW	
Indianola (Miss)	3 NW	125	45h S6	80,91 oct.
Collier (Drew, Miss)	0.6 NE;RR W	115	17 S1	80 oct.Trees S.
McCain(Benoit,Miss)	0.8 NNE;hwy E	140	16 S1	80 oct.S blkd.Ctn-parked acft
Davis (Nitta Yuma,Miss)	0.5 SSE;RR W	115	19 S1	80 oct.P-line W.Rough.
Crystal Spgs.(Miss)	0.7 SE	470	21	P-line NE;N,S,NW blkd.
Gourdon (Ark.)	0.2 NW	250	22 S2	80 oct.NW blkd.Trees NE
Carpenter (Hamburg,Ark.)	0.7 NW;RR SE	150	21 S2	80 oct.Trees W.P-line
Griffin (Warren,Ark.)	2.3 ESE;riv E,S	200	28 S2	73 oct.Cattle on fld. W,S,E
Monticello (Ark.)	2.2 E;hwy S	230	27 L S6	80 oct.N,E,S,W blkd.
Prescott (Ark)	3 SW;RR E	280	21 S1	80,91 oct. Port lgts.
Roosevelt (Sondheimer,	2.1 NNW;RR E	85	13 S1	80 oct. (La)
Center, Tex	1.2 ESE;hwy N		20	P-line NNW.
→ Jones-Harden (Cleveland,	4 NW;hwy 1,2 S	140	21 S5	80 oct.S blkd.Soft when wet.
Monroe Arpk(La)(new)	1.5 N;RR N	77	26 S6	80 oct.Trees SSE. (Miss)
Aineson(Quebec,La)	1 NNW;RR S	100	18	Private N blkd
Johnson(Logansport,La)	0.5 ENE;RR W	192	15 S2	80 oct.Trees N ends
Arkansas City (Ark)	0.8 WSW	125	19 S1	80,91oct.P-lines block both
→ Joyce (Winfield,La)	3 NW;hwy E	130	20 S2	80 oct. Data unver.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


LITTLE ROCK 89
ARKADELPHIA
RED 37
LITTLE ROCK 353
MEMPHIS 371
ALTHEIMER
TEXARKANA 329 116.1MC
GOURDON
PRESCOTT
HOPE
PRESCOTT 42
GRAYSON
GRIFFIN
MONTICELLO
McGEHEE
WATTS
STRANGE
JONES HARDEN
JONES
COLLIER
DOSSETT
CLEVELAND
McCAIN
ARKANSAS CITY
INDIANOLA
COLE
GREENWOOD 281
GREENVILLE AAF
LELAND
EVERETT
DIXIE DUSTING COMPANY
LAKEVIEW
CYPRESS
GREENVILLE MUN.
TEXARKANA
TEX. ARK.
FOR EL DORADO VHF RANGE SEE CHART 145
EL DORADO-GOODWIN
EL DORADO
MAGNOLIA
BAKER
ASHLEY CO.
CARPENTER
ATLANTA
ARK. LA.
SKINNER
WOODSIDE
DAVIS
YAZOO
SHREVEPORT 230 116.1MC
COTTON VALLEY
SHREVEPORT 278KC 118.7,126.18MC
MINDEN
ARCADIA
RUSTON
BASTROP
MONROE 359 116.1MC
LAKE PROVIDENCE
On request
VICKSBURG 382 116.1MC
ROOSEVELT
CHILDRESS
DELHI
SELMAN
MONROE
KARNACK
SHREVEPORT AR PK.
LUCIEN
BARKSDALE AAF 396KC 126.18MC
BARKSDALE AAF 379
FORT WORTH NEW ORLEANS
HODGE
ARNESON
TALLULAH
VICKSBURG
JACKSON 260
HINDS CO.
LONGVIEW
LE TOURNEAU
MEMPHIS NEW ORLEANS
WINNSBORO
GARDNER
BURNSIDE AND McDONALD
CRYSTAL SPRINGS
DE SOTO PARISH
JOHNSON
FOR JOAQUIN VHF RANGE SEE CHART 145
JOYCE
CENTER
NATCHITOCHES
HART
FERRIDAY
NATCHEZ
SHARPE
ULMER
HOUSTON 127
NEW ORLEANS 129
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION 8°E TO 6°E
SHREVEPORT 113
BIRMINGHAM 115
FORT WORTH 109
TO REDWATER
TO HAWKINS
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ARC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES

BIRMINGHAM

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→ Augustine (Jackson,Miss)	11.5 SSW	335	40 S4	80 oct.
Autaugaville (Selma,Ala)	20.5 W	100	73	
* Batesville Int,29,NO-LS	3 W;hwy SE	205	25 L3	Poles N,lgtd. (Miss)
BIRMINGHAM Range (Ala)	224(BH)(116.1)	178°,3.0	SBRAZ-DTV	(3); 116.1, 122.1
BIRMINGHAM Tower (Ala)	278 (126.18, 118.3)		AC(ILS-W)	(4); 122.5,126.18,118.3
(A) [Birmingham, Ala]	5.5 NE;RR S	643	57h L5 S6	73,100 oct.JP-1 Army.
→ Bonita (Meridian,Miss)	2.5 ENE;hwy N			ABANDONED. Poles NE.
(P) Carroll Cone(Tupelo,Miss)	See Tupelo Airport under "New Facilities" - name changed			
Central Park (Birmingham, Ala)	5.2 NW;RR SE	535	18 S6	80,91 oct.P-lines NNW ,SSE,NNE.
Columbiana (Ala)	1.5 WNW;RR S	514	23	Lgt acft only.
(A) Columbus AAF(Miss)(A)	10 N;RR E	215	45h	TMP INACT.NO FACS.
CRAIG Army Range (Ala)	272 (DPP)	320°,2.5	BMRLZ	(3); 126.18
CRAIG Tower (Ala)	219 (126.18)		CA	(3); 126.18
(A) Craig (Selma,Ala) (A)	4.8 SSE	166	53h L5 S6	91, 100 oct.
Cullman (Ala)	5 SSE;hwy SW	740	17 S4	80 oct.Trees SSE.
Dallas (Selma, Ala)	2.2 SW;riv SSE	161	20 S1	80 oct. Trees NE.
[Dannelly](Montgomery, Ala.)	7.5 SW; hwy N	219	40h L5 S4	80, 91 oct.
(P) Demopolis (Ala)	7.8 WSW	198	50h	River NW.
→ E. Jackson (Jackson,Miss)	3.1 SSE;hwy N	310	20 S6	80 oct. Obst sur fld.
(A) Elmore (Montgomery,Ala)	10 N;hwy N	203	45	CLOSED (A)
Eupora (Miss)	1 NE;hwy S	325	20 S2	80 oct. Trees all appchs.
→ Eutaw (Ala)	2 SE; hwy N	160	23 S4	80 oct.P-line W.
Forest,46,FV-AG (Miss)	1 W;RR S	512	28 L3 S1	80 oct.
Foster (Tuscaloosa,Ala)	5.5 S hwy E	236	26 S6	80 oct. P-line,trees E
(A) Furniss (Selma,Ala)(A)	10 SSW			ABANDONED
* → Gainesville Int, 55, FV-AG (Ala)	2 S;hwy W	174	31 L3	P-line SW.
Gragg,27,PS-TM (Clanton, Ala)	2.2 NE;crk S	571	26 L3 S6	80 oct.Trees E,SE,W.Use ctn
Greenville,24,NO-AG(Ala)	5.5 WNW	561	26 L3 S3	80 oct.Trees N,S,W.Rough.
GREENWOOD Range (Miss)	281(GD)(116.1)	265°,1.9	BMLZ-DTV	(4); 116.1
Greenwood Mun.(Miss)	2.3 SW;RR E	129	40h L5 S6	80,91 oct.P-line E,SE.
(A) Greenwood AAF (Miss)(A)	5.8 ESE;hwy N	162	50h	CLOSED.
Grenada (Miss)	4 N;RR S	207	51h L S4	80 oct.B-2 lgts on req.
HAWKINS Tower (Miss)	278 (126.18, 118.7)		C(ILS)	(4); 126.18,118.7,122.5
(A,N) [Hawkins](Jackson,Miss)	3 NW;RR SW	343	54h L6 S6	80,91,100 oct.Tank,stack
(A) Henderson (Selma,Ala)(A)	29 SW;riv W			ABANDONED E.
Houston (Miss)	1.5 SW;hwy N	342	31 S4	80 oct NE,E,W blkd
JACKSON Range (Miss) (Hawkins)	260(JA)(116.1)	173°,2.4	SBRAZ-DTV	(3); 116.1, 122.1
(NG) [Key] (Meridian,Miss)	3 SW;RR E	297	51h L5 S6	80,91 oct;100 oct NG.Ctc
→ Lauderdale Civil (Meridian, Miss.)	9 NNE;hwy E	310	32h	P-line S. lgts prior req. Cattle on fld.
Lee (Canton, Miss)	1.4 WNW;RR E	300	29 S2	Trees sur fld.
Louisville Air Svc.(Miss)	3.9 S;RR W	500	16 S1	80 oct. P-line S.
Masonic (Columbus,Miss)	2.5 NE;hwy S	200	28 S2	80 oct.N,E blkd.P-line W
→ MAXWELL Army Range (Ala)	362 (DXW)	85°,2.0	SBRAZ	(4)
MAXWELL Tower (Ala)	396 (126.18)+		CA ◆ :49,09	(4); 126.18
(A) Maxwell (Montgomery, Ala) (A)	3 WNW	167	70h L5 S6	73, 91, 100 oct. No sto. JP-1.
MERIDIAN Range (Miss)(Key)	239(UM)(116.1)	154°,2.8	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Mollette (Selma,Ala)(A)	16.2 SSW			ABANDONED
→ North Jackson Arpk. (Jackson, Miss)	6 NE;hwy E	300	25 S4	80 oct. No sto.Trees S
→ O'Keefe (Newton,Miss)	1.5 ESE;rd N	363	23 S4	80 oct.Trees SSW,SE. Soft when wet.
Oktibbeha (Starkv'l,Miss)	7.5 ENE;lake N	326	33 S6	80 oct.Obst S,SW,W,NW
(P) Oxford (Miss)	8 S;riv N,W	300	30 S2	73 oct.
Philadelphia Arpk (Miss)	2 SE;hwy S,W	500	24 S6	80 oct.P-line W. No sto.
* Rockport Int,12,NO-LS	1.5 E;riv W	217	28 L3	(Miss)
Roberts (Birmingham,Ala)	3 W;RR N	610	29 S6	80 oct.P-lines N.
Selma-Selfield (Selma,Ala)	4 ENE;RR S	130	40h	
(P) Starkville (Miss)	2.5 SW;RR NW	325	50h	
Stinson (Aberdeen,Miss)	2.8 NW;hwy E	239	40 S2	80 oct.P-line N;trees NW
TUSCALOOSA H Fac.(Ala)	206(TU)(116.1)		MHTV	(4);116.1,122.1
Van de Graaff,59,FV-AG (Ala)	3 NW;RR N	172	52 L4 S6	80,91 oct · Obsts sur fld.
Walker Co. (Jasper,Ala)	2.2 NNE;RR W	527	31 L5 S4	80, 91 oct.
→ Winona (Miss)	1.0 SSE;RR W	370	28 S6	80,91 oct.Trees N,S. Rough.
* Zeiglerville Int,19,NO-LS (Miss)	3 SW;crk S Hwy E	274	26 L3	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

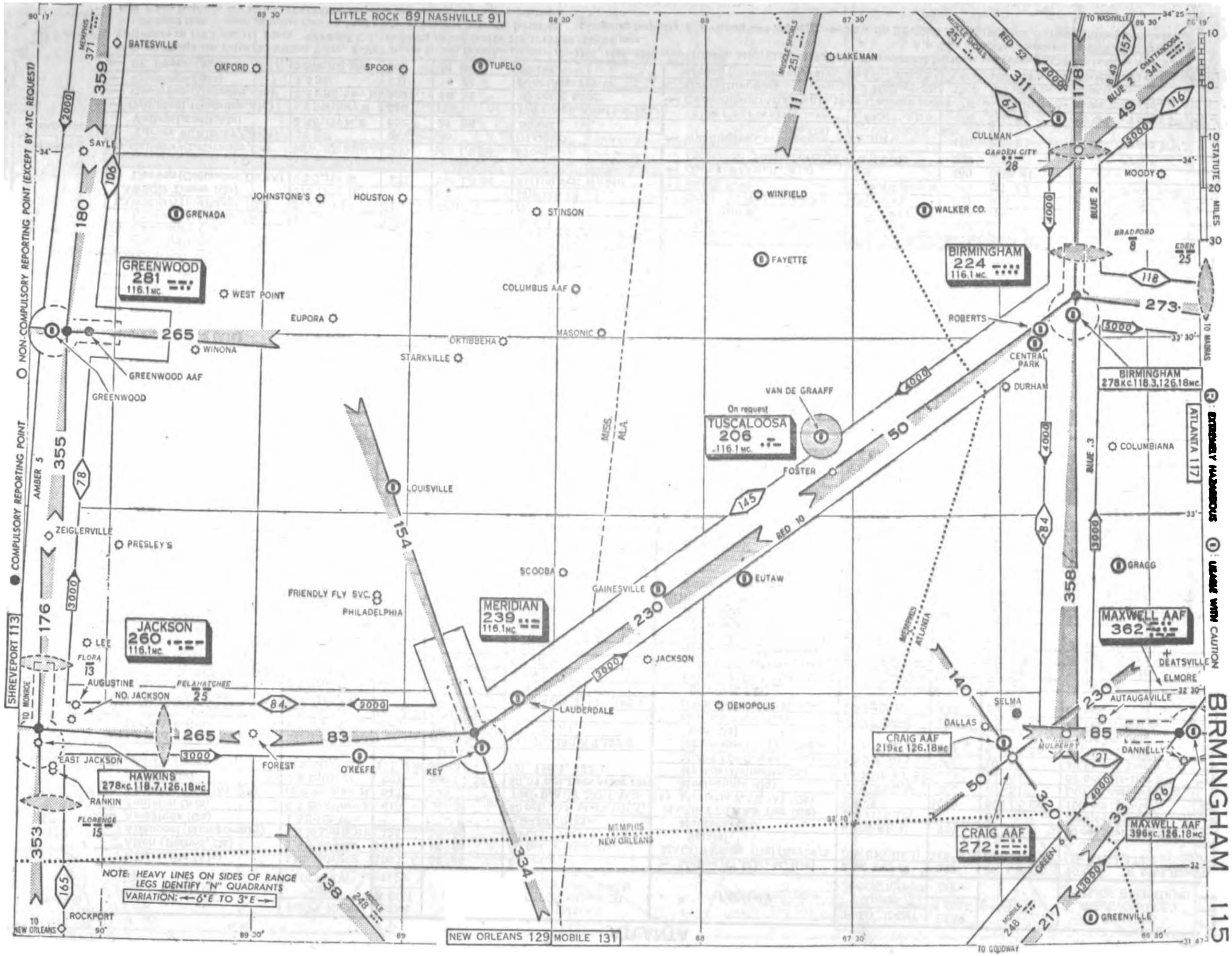
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIRMINGHAM				IM-	MM-	OM-
					MMK 356 ···· (0.72)	OMK 375 — ··· (5.4)
HAWKINS	109.9	333.8	108°	IM-	MM- .-.-(0.70)	OM- --(4.43)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Friendly Flying Service (Philadelphia,Miss.)	0.7 SE	500	22 S4	80 oct.
Deatsville (Prattsville,Ala)	9.5 NNW;hwy V	524	40	Emerg only. S,SE blckd.
Durham (Bessemer,Ala)	2.5 SW,RR SE	500	23 L S6	80 oct.Rng lgts prior req.
West Point (Miss)	1 NE;RR W	250	19	Landing area rough.
Rankin (Jackson,Miss)	4 SSE;hwy W	250	30 S6	80 oct.
Presley's (Pickens,Miss)	1 NNE;RR E	230	23 S6	80 oct.Poles sur fld.
Fayette (Ala)	2.1 NNE;hwy W	359	18 S1	80 oct.P-line NW.
Jackson(Livingston,Ala)	1 N;hwy E	170	18 S4	80 oct
Scooba (Miss)	0.5 NE;RR W	250	19 S4	80 oct.P-line SE Soft when wet
Sayle(Charleston,Miss)	3.3 W;crk S	160	20 S2	80 oct Bldg S
Winfield (Ala)	0.5 SSE;hwys NNE	460	24 L S4	80,91 oct Trees sur fld
(P) Tupelo (Miss)	3 W;hwy S	338	32 S6	80 oct No acft repairs
→ Johnstones Arpk (Calhoun City,Miss.)	1.8 N;hwy W	210	16 S2	80 oct.Rough.Soft when wet.
→ Lakeman (Haleyville,Ala)	5 NE	810	18 S4	80 oct.SW hills,trees.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


LITTLE ROCK 89 | NASHVILLE 91
BATESVILLE
OXFORD
SPOOK
TUPELO
LAKEMAN
MUSCLE SHOALS 251
RED 52
TO NASHVILLE
CULLMAN
GARDEN CITY 28
MOODY
SAYLE
GRENADA
JOHNSTON'S
HOUSTON
STINSON
WINFIELD
WALKER CO.
BRADFORD 8
EDEN 25
GREENWOOD 281 116.1 MC.
WEST POINT
COLUMBUS AAF
FAYETTE
BIRMINGHAM 224 116.1 MC.
EUPORA
OKTIBBEHA
MASONIC
ROBERTS
CENTRAL PARK
WINONA
STARKVILLE
GREENWOOD AAF
GREENWOOD
VAN DE GRAAFF
On request
TUSCALOOSA 206 116.1 MC.
DURHAM
BIRMINGHAM 278KC 118.3,126.18MC.
FOSTER
COLUMBIANA
LOUISVILLE
MISS. ALA.
ZEIGLERVILLE
PRESLEY'S
SCOOBA
GAINESVILLE
EUTAW
GRAGG
FRIENDLY FLY SVC.
PHILADELPHIA
MERIDIAN 239 116.1 MC.
MAXWELL AAF 362
DEATSVILLE
ELMORE
JACKSON 260 116.1 MC.
LEE
FLORA 13
AUGUSTINE
PELAHATCHEE 25
NO. JACKSON
JACKSON
LAUDERDALE
DEMOPOLIS
SELMA
AUTAUGAVILLE
DALLAS
CRAIG AAF 219KC 126.18MC
DANNELLY
EAST JACKSON
FOREST
O'KEEFE
KEY
HAWKINS 278KC 118.7,126.18MC.
RANKIN
FLORENCE 15
MEMPHIS NEW ORLEANS
CRAIG AAF 272
MAXWELL AAF 396KC 126.18MC.
ROCKPORT
TO NEW ORLEANS
GREENVILLE
TO GOODWAY
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ← 6°E TO 3°E →
NEW ORLEANS 129 | MOBILE 131
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
SHREVEPORT 113
BIRMINGHAM 115
EXTREMELY HAZARDOUS ⊙ LEARN WITH CAUTION
STATUTE MILES
10 MARIAS

ATLANTA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albertville (Ala)	1 NW;RR NE	1063	28 S6	80 oct.
Allen (Buford, Ga)	1.5 S;hwy SW	1070	15 S1	80 oct. P-line SW.
Allenport (Montgomery)	4.3 SSE;RR NE	175	30 S6	80 oct. Trees N. (Ala)
➝ Americus (Ga)	1.5 S;RR W			ABANDONED
Anniston (Ala)	5.5 SSW;hwy E	610	24 S6	80 oct. 300' stack WNW.
(A) Anniston AAF (Ala)(A)	15 W SW;hwy N	527	53h	TMP INACT.NO FACS.
Athens (Ga)	3.5 E;RR N	807	40h L3 S6	80,91 oct.Lgts prior req
ATLANTA Range (Ga)	266(AG)(vhf)	331°,1.9	SBRAZ-DTXV	(3); 116.1, 122.1
ATLANTA Tower (Ga)	278(118.7,126.18)		AC(ILS-W)	(4); 126.18,118.7,122.5
[Atlanta] (Ga)	8 S; RR N	1005	48h L6 S6	73-100 oct.
ATLANTA Navy Range (Ga)	323 (NCQ)	86°,3.2	MRLWZ	
ATLANTA NAS Tower (Ga)	356 (142.74)		CN	3105,4495,3117.5;142.7
(N) Atlanta NAS (Ga) (N)	8.5 NNE	1002	39h (L6) S6	100 oct. Hwy SE.
(P) Auburn-Opelika (Auburn)	2.8 E;RR N	770	40h L5 S6	80 oct. (Ala)
Bentley (Calhoun Falls,S.C.)	3 ENE	500	16	RR NNW.
Butler 14,71-AG (Ga)	0.5 NW;RR S	667	32 L3	Poles S.
Cedartown (Ga)	1.2W;hwy SE	800	30 S4	80 oct. SE blkd.
Centre (Ala)	0.6 NNW	720	22 S4	80 oct. Trees SSE.
City-Co. (Carrollton,Ga)	See Carrollton Airport under "New Facilities"-name changed			
Clevenger's Arpk. (Marietta, Ga)	5 NE;RR W	1080	14 S4	Ltd 80 oct.No sto.
Cobb (Marietta, Ga)	6.4 SSW;rd S	1050	20 S6	Ltd 80 oct.No sto.Trees
(A) Cochran (Macon,Ga)(A)	10 S;RR E	354	50h	TMP INACT.NO FACS. NW.
Cochran 50,MM-AG (Ga)	5 NE;rd N	324	30 L2 S6	80 oct.Poles NW,NE,S, SE. (Ga)
➘ Columbus (Ga)	1.5 SSE;riv SW	240	45 S6	80,91 oct.
(P) Cordele (Ga)	1.6 NNE;RR W	305	52h	80 oct.
Crawford W. Long (Jefferson, Ga)	2.5 S;RR E	950	27 L1 S6	80 oct. P-line ESE. Fld lgts on req.
(N,P) Dublin (Ga)	4.5 WNW;hwy S	303	50h L2 S6	80 oct.NATS (Hospital)
Elberton (Ga)	2 SE;hwy W,N	800	19 S1	80 oct.Obst sur fld.
Felton (Cartersville,Ga)	2.5 N	790	23	Hills S,W,N;wires E,W
Flying "S" Ranch (Villa Rica, Ga)	1.7 NE	1040	17 S4	80 oct.No sto.Rocks NE Data unver.
➝ Gadsden (Ala)	See Gulf Steel under "New Facilities"- name changed.			
➝ Gainesville (Ga)	1.5 S;RR E,NW	1277	40h (L6) S6	80,91 oct.Lgts on req.
Griffin (Ga)	1.5 S;hwy E	936	30 L3 S6	80 oct. Twr E.
GUNTER Tower (Ala)	201(126.18)		CA	(3) (Oper.on a variable schedule)
➘ (A) Gunter (Montgomery,Ala)	5 NE;hwy N	225	37h L5	Lgts on req.(A)
Herbert Smart (Macon,Ga)	4 ESE;hwy W	463	47h L5 S6	80, 91 oct.
Hurtsboro (Ala)	2.5 SE;RR SW	349	23 S1	78 oct.
Jackson Int,57,MM-AG(Ga)	4.6 SW;rd S	716	30 L3	Barn E;bldg W.
➝ JONESBORO K Fac. (Ga)				DECOMMISSIONED.
Kings (Milledgeville, Ga)	See Milledgeville under "New Facilities"- name changed.			
(P) La Grange (Ga)	See Calloway Arpt under "New Facilities"-name changed			
Lakewood (Atlanta,Ga)	4 S;lake SE	1026	16 S4	80 oct.
LAWSON Army Range (Ga)	379 (DVL)	21°,3.3	BMRLZ	(3)
LAWSON Tower (Ga)	278 (126.18)+		CA	(3); 126.18
(A) Lawson (Columbus,Ga)(A)	9.5 S;riv W	232	59h L5 S6	91,100 oct. No sto.
NEW FACILITIES				
(P) Calloway(LaGrange,Ga)	3 SW;RR ESE	700	50h L2 S6	80 oct
Turner #1(Albany,Ga)(A)	15 NE	285	45	CLOSED.
Valley(Lanett,Ala)	2 SE;riv N,E	552	26 S6	80 oct.
➝ Gulf Steel (Gadsden,Ala)	1.9 SW;hwy N	540	15h	Fld rough. Obst sur fld.
➝ Goodyear (Gadsden,Ala)	3.5 ESE;hwy N	500	18 S4	80 oct.E blkd.
➝ Sylacauga (Ala)	2.5 SW	571	19 S6	80 oct.Quarry W
➝ Ft. Payne (Ala).	2 SW;RR NW	800	18 S4	80 oct.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS GUARDED. HRS. OF OPERATION
➝ McRae,47,MM-AG (Ga)	2 SE ;hwy N	247	26 L3 S6	80 oct. W blkd.Rough
MACON Range (Ga) (Herbert Smart)	209(UN)(116.1)	246°,4.8	BMLZ-DTV	(4); 116.1,122.1
Madison (Ga)	2 SSW;RR E	720	27 S2	80 oct.Pwr line SSE.
MARIETTA AAF Twr (Ga)	396 (126.18)		CA	3105,4495;126.18
(A) Marietta AAF (A) (Ga)	2.5 SE	1030	60h L5 S4	100 oct. JP-1.
Montezuma (Ga)	1.5 E;RR S,W	300	35 S1	Ltd 80 oct.P-line S
Morton (Palmetto,Ga)	1.8 NNE;RR SE	1020	24 S4	80 oct. Hi-line SE.
Moton (Tuskegee, Ala)	3 N;RR ;hwy W	269	40 S6	80,91 oct.Twr S end.
[Muscogee Co.] (Columbus, Ga)	5.6 NE;RR E	386	40h L5 S6	80,91 oct. Fld lgts on req.
Newnan Arpk (Ga)	3.7 SE;RR W	970	23 L1 S2	80 oct. Hwy W,N
Norman Bridge (Montgomery, Ala)	5.8 S;RR E	172	23 S4	80 oct.
Parkaire (Marietta, Ga)	7.7 E;hwy SW	1100	22 S6	80,91 oct.
Polo Arfld (Athens, Ga)	2 WSW;hwy N	720	12 S4	80 oct. No sto.
Red Dog (Cochran, Ga)	6.2 NW;RR S	300	23 S6	80 oct. Trees N,E.
Reginald Grant Memorial (Thomaston, Ga)	3.7 NNW;hwy NE	750	30 S4	80 oct. Trees S. Trees
Ries (Macon, Ga)	4.5 SE;RR W	300	17 S1	Ltd 80 oct.-emerg. NE.
ROBINS Tower (Ga)	284 (126.18)+		CA	(3); 126.18
(A) Robins (Warner-Robins)	1.5 NE Wellst'n	295	70h L5 S6	62,73,100 oct. JP-1.(A)
Roosevelt (Warm Spgs,Ga)	3.5 N;hwy W	870	22 S2	80 oct.Trees SE,SW,NW
Rockmart (Ga)	2 ENE;RR W	900	24 S6	80 oct. Trees N.
Rome (Ga)	3 NW;RR S	669	26 S6	80 oct. E blkd.
(N) Russell (Rome, Ga)	7 N;hwy N	644	45h L5 S6	80,91 oct.Lgts prior req.
* Siloam Int, 7B, AG-CS (Ga)	1.3 S;rd W	654	39 L3	82' mast SE Data unver corner N/S strip.
➝ Souther (Americus,Ga)	4 NE;RR W	470	53 S6	80 oct. NE blkd,trees E.
Talladega (Ala)	2.6 NE ;hwy E	590	18 S4	P-line E, hill W. No sto.
* Tallapoosa Int,73,FV-AG (Ga)	5.5 SSE	1210	21 L3	
Thomas C. Russell (Alexander City, Ala)	1.5 SW	711	32 S6	80 oct.
(P) Troy (Ala)	4.8 NNW;rd E	393	50h L5	
(A) Tuskegee AAF (Ala)(A)	7.3 NW;RR S	253	50h	CLOSED.
➝ Tuskegee Institute #1 (Ala)	4 SSE;hwy W			ABANDONED.
(A) Vidalia-Lyons (Vidalia,Ga)	3.2 SE;hwy N	274	50h	TMP INACT.NO FACS.
Wages (Lawrenceville,Ga)	1.8 N;hwy E	1075	12 S2	80 oct.E blckd. (A)
Washington (Ga)	See McGill Field under "New Facilities" -name changed			
➝ Weedon (Eufaula,Ala)	4.3 NNE;hwy E	275	35 L5 S6	80 oct.No bcn.
Winder,4,AG-LG (Ga)	1.5 NE;bet rds	950	30 L3 S6	80,91 oct.NE,SE blkd.
Woodbury (Ga)	1.5 E	770	16 S1	Fuel, Data unver.

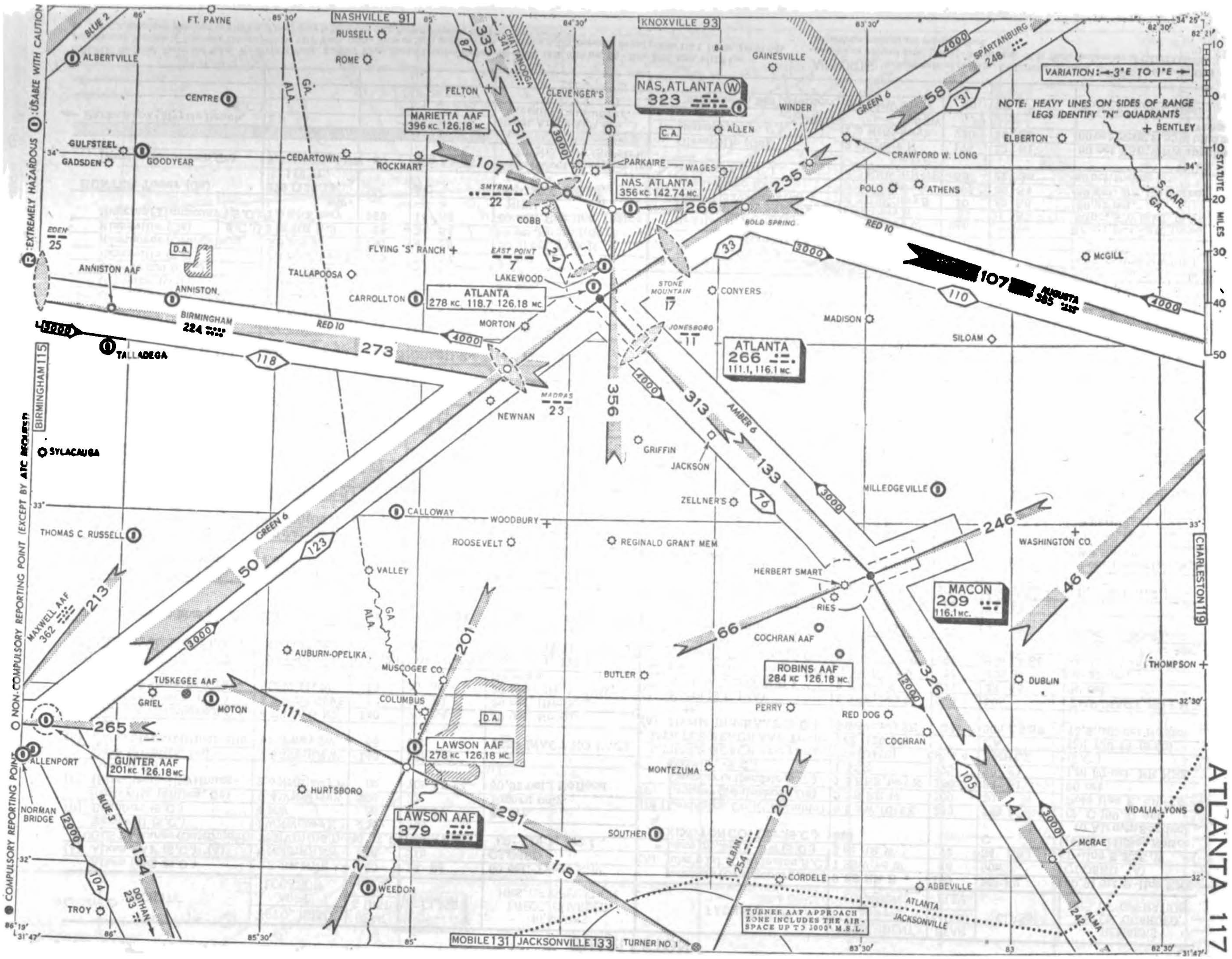
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ATLANTA	108.9	333.8	329°	IM-	MM- ·—·—(0.70)	OM- ——(4.40)
					MMK-201 ·—··	OMK-219 ····

NEW FACILITIES

Milledgeville ,(Ga.)	1.5 NW;RR W	360	28 S4	80 oct.No sto.
Abbeville (Ga)	0.8 S;hwy E	260	16	P-line W
Griel Aux (Tallassee,Ala)	4 S;riv NE	200	35	P-line W.Trees NE
Perry (Ga)	1.5 NNW;hwy W	340	11 S2	80 oct.Lgt acft only.
➝ Gadsden (Attalla,Ala)	3 S	560	48h S4	
Thompson (Swainsboro,Ga)	1 W;hwy E	300	32	
➝ Washington Co. (Sandersville,Ga)	1 E;RR W	460	26 S1	80 oct. Trees NW.
Zellner's (Forsyth,Ga)	1.8 NNW;RR W	705	18 S1	80 oct. Trees SW,NW.
➝ Camp Sibert(Attalla,Ala.)	See Gadsden under "New Facilities"- name changed.			
Carrollton (Ga)	3.3 NE;hwy SE	1200	18 S1	80 oct.
McGill (Washington,Ga)	1.4 NW;RR SE	600	22 S1	80 oct.Cat'l on fld.Hwy S

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker (3)-3105, 4495, 6210 kcs. (4)-3105. 4495, 6210. 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. A.A.C.S.: Scheduled broadcast on 4765 kcs (first figure is scheduled time, second alternate time) h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII) ➝ NEW OR REVISED DATA (NC)-Not charted [Jones]-Airline Stop.
N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ATLANTA 117
NASHVILLE 91
KNOXVILLE 93
BIRMINGHAM 115
MOBILE 131
JACKSONVILLE 133
CHARLESTON 119
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 3°E TO 1°E
STATUTE 20 MILES
EXTREMELY HAZARDOUS USABLE WITH CAUTION
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
FT. PAYNE
ALBERTVILLE
CENTRE
GULFSTEEL
GADSDEN
GOODYEAR
CEDARTOWN
ROCKMART
RUSSELL
ROME
FELTON
CHATTANOOGA 341
CLEVENGER'S
GAINESVILLE
WINDER
ALLEN
ELBERTON
CRAWFORD W. LONG
BENTLEY
SPARTANBURG 248
GREEN 6
BLUE 2
ALA.
GA.
S. CAR.
MARIETTA AAF
396 KC 126.18 MC
NAS, ATLANTA
323
C.A.
NAS. ATLANTA
356 KC 142.74 MC
PARKAIRE
WAGES
SMYRNA
22
COBB
EDEN
25
D.A.
ANNISTON AAF
ANNISTON
FLYING "S" RANCH
EAST POINT
7
LAKEWOOD
TALLADEGA
CARROLLTON
ATLANTA
278 KC 118.7 126.18 MC
MORTON
BIRMINGHAM
224
RED 10
273
118
MADRAS
23
NEWNAN
GRIFFIN
JACKSON
ZELLNER'S
CALLOWAY
WOODBURY
ROOSEVELT
REGINALD GRANT MEM
THOMAS C. RUSSELL
VALLEY
AUBURN-OPELIKA
MUSCOGEE CO.
TUSKEGEE AAF
GRIEL
MOTON
COLUMBUS
LAWSON AAF
278 KC 126.18 MC
LAWSON AAF
379
HURTSBORO
WEEDON
MAXWELL AAF
362
GUNTER AAF
201 KC 126.18 MC
ALLENPORT
NORMAN BRIDGE
TROY
DOTHAN
233
BLUE 3
BOLD SPRING
POLO
ATHENS
McGILL
MADISON
SILOAM
CONYERS
STONE MOUNTAIN
17
JONESBORO
11
ATLANTA
266
111.1, 116.1 MC
AMBER 6
MILLEDGEVILLE
HERBERT SMART
RIES
MACON
209
116.1 MC.
WASHINGTON CO.
COCHRAN AAF
ROBINS AAF
284 KC 126.18 MC
BUTLER
PERRY
RED DOG
COCHRAN
DUBLIN
THOMPSON
MONTEZUMA
SOUTHER
CORDELE
ABBEVILLE
ATLANTA
JACKSONVILLE
VIDALIA-LYONS
McRAE
ALMA
ALBANY
254
TURNER AAF APPROACH ZONE INCLUDES THE AIR-SPACE UP TO 3000' M.S.L.
TURNER NO. 1
107
AUGUSTA
385
110
105
147
46
66
76
123
131
133
151
176
201
202
213
235
242
246
265
266
291
313
326
335
356
1000
2000
3000
4000

CHARLESTON

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Aiken (old) (S.C.)	2 E;RR NNE	500	19 S4	80 oct. Trees SSW.
(A) Aiken AAF (S.C.) (A)	6 NNE;RR SW	530	51h	CLOSED
AUGUSTA Range (Ga) (Daniel)	385(VD)(116.1)	46°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Barnwell (S.C.)	1 WNW;hwy E	235	50h	
(P) Beaufort (S.C.)	4 NW	38	60h S4	80 oct.
Birdsville (Millen, Ga)	9.4 WNW;riv S	200	22	Emerg only.
(P) [Bluethenthal] (Wilmington, N.C.)	2.8 NNE;hwy W	30	70h L5 S4	80,91 oct. No flood
Bush (Augusta, Ga)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville, Ga) (A)	3 NE;hwy SW	46	50h	TMP INACT. NO FACS.
Carlisle (Bamberg, S.C.)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Beach (N.C.)	2.2 NNW;hwy E	32	16 S1	80 oct. (limited)
Carolina Skyways (Charleston, S.C.)	6 SSW;riv W	10	25 S6	80 oct. ENE, E, WSW, NW blkd.
CHARLESTON Range (S.C.)	329(CS)(116.1)	110°,2.0	SBRAZ-DTV	(3); 116.1, 122.1
CHARLESTON Tower (S.C.)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18, 118.3, 122.5
(N) [Charleston Mun.] (S.C.)	9.8 NW;RR NE	45	70h L6 S4	100 oct. Use rnwys only. NATS (Hospital)
(N) Charleston (S.C.) (N)	4 N;riv E			ABANDONED.
(NG) Chatham AAF (Savannah, Ga) (NG)	7.5 NW;RR S	50	70h L5 S4	100 oct. 1-ech ltd 2-ech maint NG. No bcn.
Clark (Charleston, S.C.)	4 S;harbor NE	6	21 S4	80 oct. Trees sur fld.
COLUMBIA Range (S.C.) (Lexington Co).	227(CI)(116.1)	268°,7.3	SBRAZ-DTV	(4); 116.1, 122.1.
(NG) Congaree (Columbia, S.C.)	15.5 ESE;RR S	237	45h	NAVY INACTIVE.
(A) Coronaco AAF (Greenw'd)	3.8 N;RR E	629	50h	(S.C.)(A) CLOSED. fld
Conway (S.C.)	2 1 N;RR W	20	24 S1	80 oct. Trees, p-line sur
DANIEL Tower (Ga)	278 (126.18, 118.9)		C	(4); 126.18, 122.5, 118.9
[Daniel] (Augusta, Ga)	2.5 W;RR S	420	42h L5 S6	80,91 oct. P-line S
Donald (St. Matthews, S.C.)	2.5 NNE;RR S	280	18 S1	Ltd 80 oct. Trees SE.
Duke (Chadbourn, S.C.)	1 N;RR SW	96	20 S4	80 oct.
* Elloree Int, 25, AG-CS (S.C.)	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill (S.C.)	2.5 SSW;RR E	135	25	
FLORENCE Range (S.C.)	320(FL)(116.1)	292°,1.7	SBMRLZ-DTV	(4); 116.1, 122.1
Florence (S.C.)	3.5 E;RR SW	146	60h L5 S1	80, 91 oct.
Georgetown (S.C.)	1 NW;riv E	12	29 S6	80, 91 oct.
(P) Georgetown Co. (S.C.)	4 S;bay E	37	50h	
Glenville (Ga)	2 SW;hwys N, E	175	32 S1	80 oct.
Greenwood (S.C.)	2.6 W;RR E	650	24 S6	80, 91 oct.
Hartsville (S.C.)	2.1 NNE;hwy S	230	25 S2	80 oct.
Hawthorne (Orangeburg, S.C.)	5 S;RR E	195	47 S6	80, 91 oct. Tank N
Hinesville (Ga)	3 S; RR E, S	55	24 S4	80 oct. No sto. Rdo repairs
Huggins (Timmonsv'l, S.C.)	1.5 ENE;hwy NW	149	18 S4	80 oct. Pwr line NNW
HUNTER Tower (Ga)	278 (126.18, 118.7)		AC	(4); 122.5, 126.18, 118.7
[Hunter] (Savannah, Ga)	3.5 SW;RR ryd NW	40	50h L5 S6	80, 91, 100 oct. Sharp incline 370° NE of NE/SW strip
NEW FACILITIES				
→ Parks Arpk (Myrtle Beach, S.C.)	2 N		25 S1	80 oct. Army Acft in Vicinity. Data unver.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Jennings (Orangeburg, S.C.)	2.3 S;RR E	190	25 S2	80, 91 oct. P-line ENE
(A) John's Isl. (Charleston, S.C.)	7 SSW;rd W	16	50h	CLOSED. (A)
* Lane Int, 24, IX-RW (S.C.)	3 S; RR W	72	34 L3	P-line E, ESE, W
LEXINGTON CO. Twr. (S.C.)	396		C	(4); (8-24) (See Notice to Airmen Section)
(P) [Lexington Co.] (Columbia)	6.5 SW;RR SE	233	56h L5 S1	(S. C.) 80, 91 oct.
(P) Lindsey (Swainsboro, Ga)	2.3 S;RR W	300	30	Pole line E. Emerg only.
Manning (Allendale, S.C.)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning (S.C.)	1.5 SE	125	20 S1	Ltd 80 oct. RR NNE
MYRTLE BEACH Army Rng	379 (DMB)	69°,4.4	BMRLZ	(S.C.)
MYRTLE BEACH AAF Tower	272 (126.18)		CA	(3); 126.18 (S.C.)
(A) Myrtle Beach AAF (S.C.) (A)	3 WSW;hwy SE	24	50h L5 S6	73, 91, 100 oct. No sto.
(A) North (S.C.) (A)	1.5 SE;hwy N	320	50h	TMP INACT. NO FACS
North Augusta (S.C.)	2 E;hwy S	375	23 S4	80 oct.
→ Ocean Drive (Wampee, S.C.)	3.3 S;hwy NW	33	60h S1	80, 91 oct.
Owens (Columbia, S.C.)	2.5 SE;RR SW	192	36h L4 S6	80, 91 oct. Tank WSW; twr SSE
Parris Isl. (S.C.)	1.5 S	11	60h	CLOSED
Peiffer (Wilmington, N.C.)	6 ESE;hwy N	10	18 S6	80 oct. N, NNE blkd.
Ridgeland (S.C.)	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
SAVANNAH Rng (Ga) (Hunter)	263(SH)(116.1)	51°,2.2	SBMRLZ-DTV	(3); 116.1, 122.1
Savannah-Wilmington (Savannah, Ga)	8 ESE;hwy NW	10	29 L S6	80 oct. Bndry lgts. N, NE blkd, Rough.
SHAW Tower (S.C.)	272 (126.18)		CA	(3); 126.18
(A) Shaw (Sumter, S.C.) (A)	7 WNW;RR W	236	45h L5 S6	73, 91, 100 oct. JP-1.
(P) Statesboro (Ga)	3.8 NE;hwy W	180	53h	
(P) Sumter (S.C.)	1.5 NW;RR S	169	30 S6	80, 91 oct. Data unver.
Sylvania (Ga)	7.5 SSE	160	50h	CLOSED.
Trenton (S.C.)	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston, S.C.)	5.5 W;RRs N	12	29 S6	80 oct. Poles sur fld.
(P) Walterboro (S.C.)	1.3 NE;hwy SE	93	58h S2	80 oct.
W. Savannah (Savannah, Ga)	3 W;RR W, N	42	23 S6	80 oct. P-line NW.
Whiteville (N.C.)	3.7 S;RR N	60	18 S1	Ltd 80 oct.
Wilmington Arpk. (N.C.)	3 SE;hwy N	20	27 S4	80 oct. N & E blocked.
(P) Woodward (Camden, S.C.)	2.9 NE;hwy E	300	30h S4	80, 91 oct. Parked acft on fld

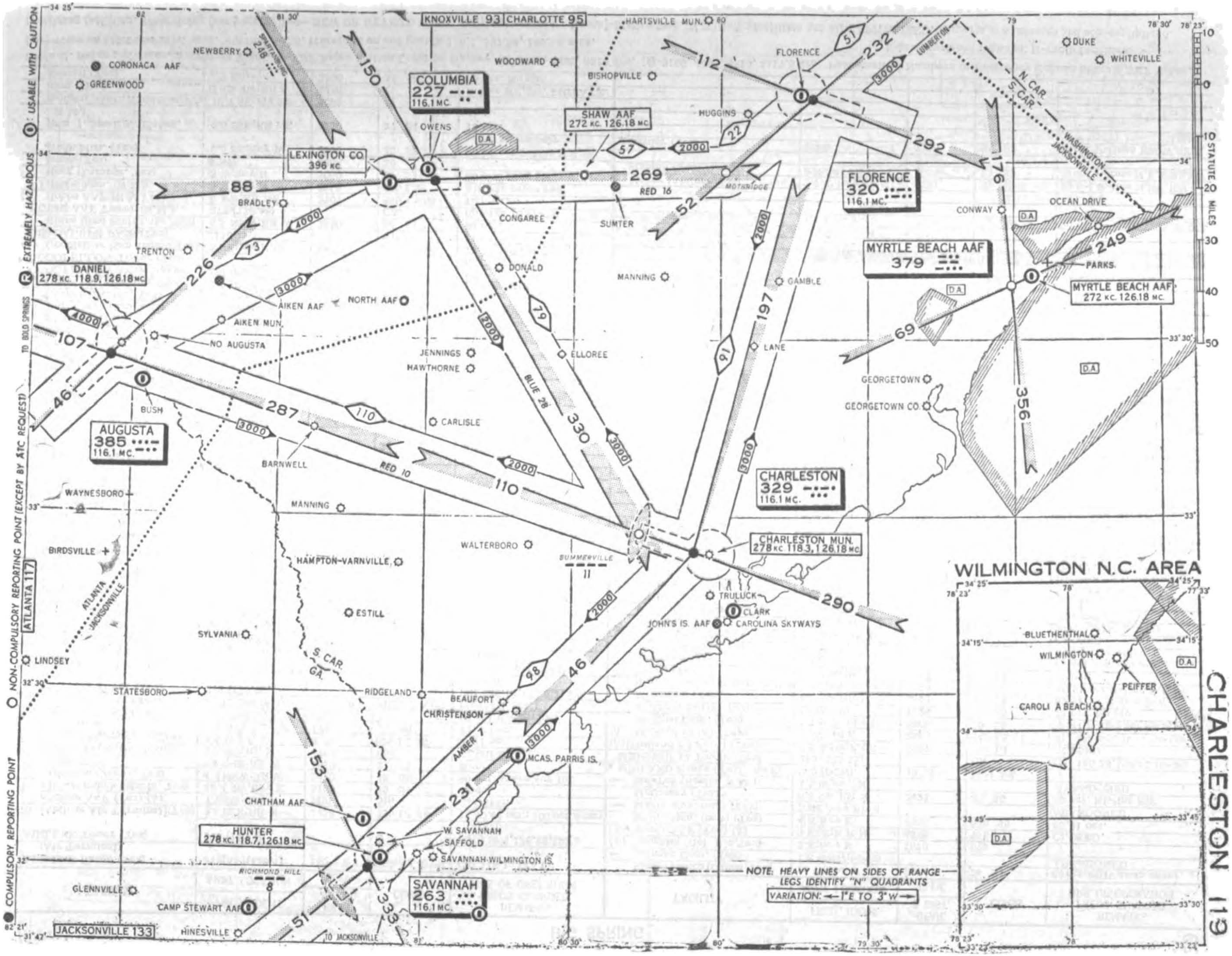
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CHARLESTON	110.3	335	147°	IM-	MM- ·—·—(0.64) OM- ——(4.18)
					MMK- OMK-
				IM-	MM- OM-
					MMK- OMK-

NEW FACILITIES				
→ Hampton-Varnville (Hampton, S.C.)	1.6 E;RR SW	110	28	ESE, SSW, WNW blkd.
Bradley (Batesburg, S.C.)	3.2 SE;hwy W	210	22 S2	80 oct. P-line W, trees
Gamble (Kingtree, S.C.)	1 8 E;hwy N	52	21 S2	80 oct. S, W blkd S, SE.
→ Saffold (Savannah, Ga)	4.8 ESE;hwy S	10	32 S6	80, 91 oct.
Waynesboro (Ga)	3.5 SSE;hwy E	295	36 S4	80 oct. NE, ENE blkd.
Newberry (S.C.)	2.3 NNW;RR NE	565	22 S6	80 oct. P-line E blkd.
→ Glennville (Ga)	2 SW;hwy N	175	32 S1	80 oct. ESE, WNW appchs
→ Bishopville (S.C.)	1.8 NNE;hwys 0.6 SW	220	19 S2	80 oct. NNE, E, SSW blkd by trees
→ Christenson Fld (Beaufort, S.C.)	0.8 NNW;riv N	20	26	W, NNW, E, SSE blkd.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthesized Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


KNOXVILLE 93 CHARLOTTE 95
COLUMBIA 227 116.1 MC.
SHAW AAF 272 KC. 126.18 MC.
LEXINGTON CO. 396 KC.
FLORENCE 320 116.1 MC.
MYRTLE BEACH AAF 379
MYRTLE BEACH AAF 272 KC. 126.18 MC.
DANIEL 278 KC. 118.9, 126.18 MC.
AUGUSTA 385 116.1 MC.
CHARLESTON 329 116.1 MC.
CHARLESTON MUN. 278 KC 118.3, 126.18 MC
SAVANNAH 263 116.1 MC.
HUNTER 278 KC. 118.7, 126.18 MC.
JACKSONVILLE 133
ATLANTA 117
CORONACA AAF
GREENWOOD
NEWBERRY
SPARTANBURG
WOODWARD
BISHOPVILLE
HARTSVILLE MUN.
FLORENCE
DUKE
WHITEVILLE
LUMBERTON
N. CAR.
S. CAR.
WASHINGTON
JACKSONVILLE
HUGGINS
OWENS
D.A.
MOTTSVILLE
BRADLEY
CONGAREE
SUMTER
RED 16
CONWAY
OCEAN DRIVE
PARKS.
TRENTON
DONALD
MANNING
GAMBLE
AIKEN AAF
NORTH AAF
AIKEN MUN.
NO AUGUSTA
JENNINGS
HAWTHORNE
ELLOREE
BLUE 28
LANE
GEORGETOWN
GEORGETOWN CO.
BUSH
CARLISLE
BARNWELL
RED 10
WAYNESBORO
MANNING
WALTERBORO
SUMMERVILLE
TRULUCK
CLARK
JOHN'S IS. AAF
CAROLINA SKYWAYS
BIRDSVILLE
HAMPTON-VARNVILLE
ESTILL
SYLVANIA
ATLANTA
JACKSONVILLE
S. CAR.
GA.
LINDSEY
STATESBORO
RIDGELAND
BEAUFORT
CHRISTENSON
AMBER 7
MCAS. PARRIS IS.
CHATHAM AAF
W. SAVANNAH
SAFFOLD
SAVANNAH-WILMINGTON IS.
RICHMOND HILL
GLENNVILLE
CAMP STEWART AAF
HINESVILLE
10 JACKSONVILLE
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ← 1°E TO 3°W →
WILMINGTON N.C. AREA
BLUETHENTHAL
WILMINGTON
PEIFFER
CAROLI A BEACH
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
TO BOLD SPRINGS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
CHARLESTON 119

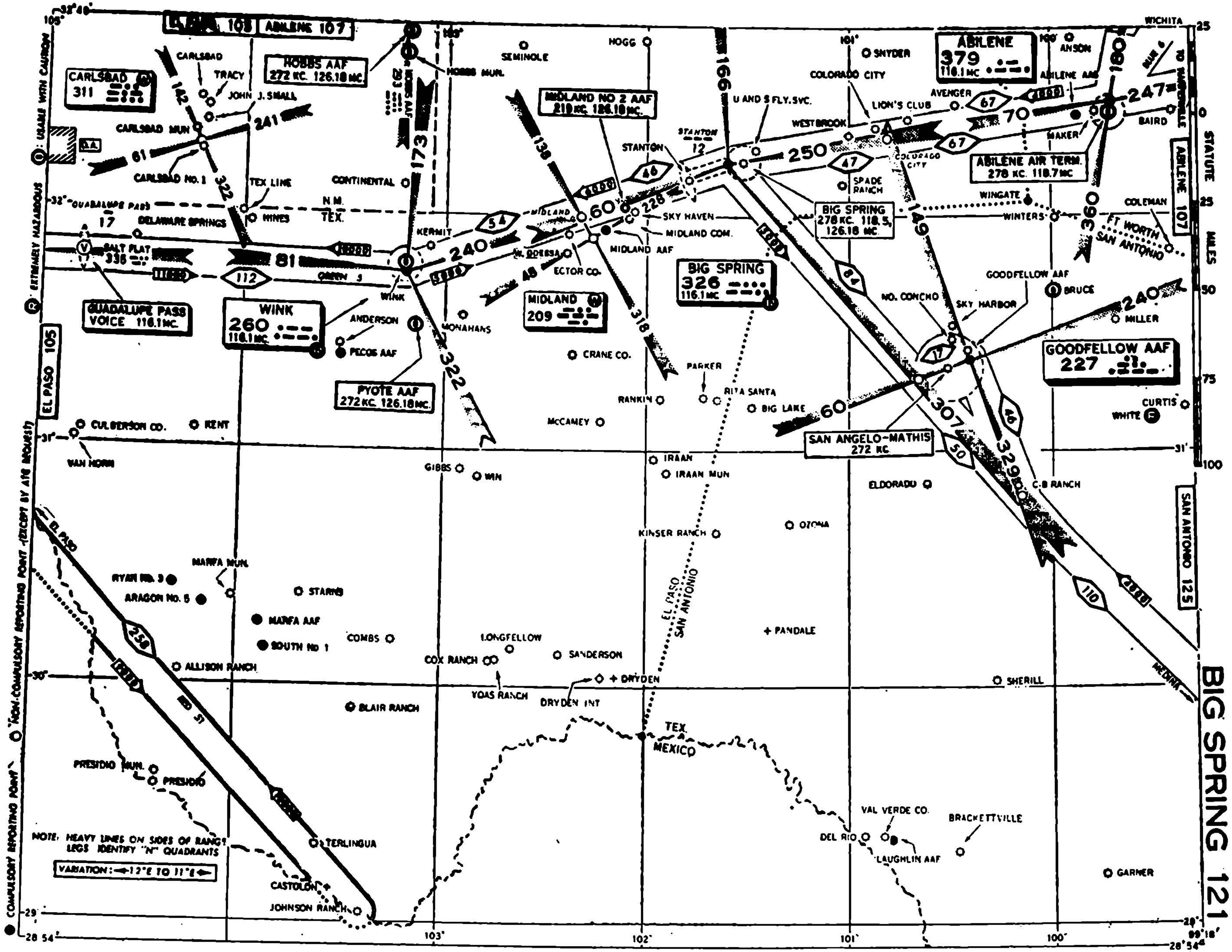
BIG SPRING

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ABILENE Range (Tex) (Air Terminal)	379(AP)(116.1)	180°, 2.2	SBRAZ-DTV	(3); 116.1, 122.1
ABILENE Tower (Tex)	278 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)
(P) [Abilene Air Terminal](Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.; 100 oct.Army
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Allison Ranch (Marfa, Tex)	23.4 SW;hwy E	5100	49 S1	73 oct.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct. Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED.
(P) Avenger (Sweetwater,Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
→ Big Lake Mun. (Tex)	0.6 NW;hwy S	2950	37 S2	80 oct.Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-VDT	(3);116.1,122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18,122.5,118.5 (7-23)
(N)(P) [Big Spring] (Tex)	3.3 WSW;RR N	2595	62h L5 S6	80,91,100 oct. NATS.
Blair Ranch (Marathon, Tex)	23.5 SSW;hwy E	4180	24	PRIVATE.
Brackettville (Tex)	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
→ Bruce (Ballinger, Tex)	4.5 SSW;hwy NW	1731	23h L S6	80,91 oct.B-2 lgts on req. Use rnwys.
CARLSBAD Range (Mun)(N.M.)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) [Carlsbad Mun] (N.M.)	6.1 SSW	3276	65h L5	Hwy E. Rnwy lgts on req.
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Castolon (Tex)	0.8 NNW;riv SW	2300	16	High butte 0.5 mi E
C-B Ranch (Fort McKavett, Tex)	1.5 W;rd S	2150	32 S1	80 oct. Livestock on fld.
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80, 91 oct. Use rnwys only
Combs (Marathon, Tex)	0.8 SE;RR N	4100	26 S2	80 oct.
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Cox Ranch (Longfellow,Tex)	8.2 SW;RR S	3700	48	PRIVATE.
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct.Hi-line S.
(P) Culberson Co.(Van Horn,Tex)	3.5 ENE;RR S	3955	60h	
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 S1	Ltd fuel.
→ Decker Ranch (Candelaria, Tex)	11.5 N	3650	29	PRIVATE.
*↑ Delaware Springs Int, 11, EO-FV (Tex)	16.8 E Pine Springs	3955	40 L3 S1	91 oct. P-line SSE.
Del Rio (Tex)	1.5 WSW;hwy E	1025	30 S4	80 oct. No sto.Poles N.
Dryden Airdrome (Tex)	1 W	2159	18	
*↗ Dryden Int,29,EO-JI (Tex)	5.7 W;hwy N	2300	45h L3	
→ Dyche (Ft. Stockton,Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
→ Eden (Tex)	1 NW;hwy E			ABANDONED
↘ Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct. Poles E.Cattle on fld.
(A) Fort Clark (Brackettville)(A)	1.5 SW;rd E			ABANDONED
Garner (Uvalde, Tex)	2.7 E;hwy N	930	17h S1	80 oct.
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'
GOODFELLOW Army Range	227 (DIP)	329°,2.5	BMRLZ	(3)
↘ GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)	3 SE;rds N,W	1877	55h L5 S6	73,91,100 oct. JP-1. (A)
GUADALUPE PASS (Tex)	(116.1)		VP	116.1
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 S1	80 oct.
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct.
Hobbs Mun. (N.M.)	5 W;hwy N	3658	50h L5	All lgts prior req.
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE. Use strips only.
John J. Small (Carlsbad, N.M.)	3.5 SSE;RR NE	3150	27 S1	73 oct.
Johnson Ranch (Castolon,Tex)	10.7 SE;riv SW	2092	37	
Kent (Tex)	0.6 WNW;RR S	4260	21	P-line NE,SW. PRIVATE.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona,Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
→ Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(P) Laughlin (Del Rio,Tex)	7 E;hwy N	1070	67h	
(A) Marfa AAF (Tex) (A)	9 ESE;R R N	4885	75h	CLOSED.
Marfa Mun. (new) (Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
→ Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
→ Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED
↘ MIDLAND Range (Tex) (AAF)	209 (DON)	48°,3.8	MRLWZ	
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18 (6-24)
(A) [Midland AAF] (A) (Tex)	9.5 WSW;RR S	2867	64h L1	CLOSED.
(A) Midland #2 (A) (Tex)	3 NW;rd E	2805	64h L5 S4	91, 100 oct. JP-1.No sto.
Midland Com. (Tex)	1.1 SSE;hwy N	2800	30 S6	80 oct.P-line sur fld.Strip ends rough
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto.
Monahans (Tex)	1.2 SW;RR N	2643	33 S6	80,91 oct.P-line SSW.
North Concho(San Angelo,Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Pandale (Tex)	8 NE		20 S2	80 oct. Data unver
Parker, (Texon,Tex)	2.3 W; RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Presidio (Tex)	4 N;hwy W	2850	48	NOT MAINTAINED.
Presidio Air Strip (Tex)	0.8 NE;hills E	2500	21	PRIVATE.
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126 18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91,100 oct. No sto.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld.
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld.
(A) Ryan #3 (Marfa,Tex) (A)	19 WNW;RR NE	4750	60h	CLOSED.
SAN ANGELO Tower (Tex)	272		CI	(4); (12 noon-1 hr after sun-set).
(P) [San Angelo] (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct.
Sanderson (Tex.)	2 W;hwy N	2900	24 S2	80 oct,400' hills W,E.
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips.
Sherrill(Rock Springs, Tex)	4 W;hwy S	2400	21	Cattle on fld. P-line W,NW.
Sky Harbor (San Angelo,Tex)	4.6 NNW; RR SW	1840	30 L3 S4	80,91 oct.After 2100 lgts on req.
Sky Haven (Midland, Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
(A) South #1 (Marfa, Tex) (A)	15 SE	4825	60h	CLOSED. W-mill WNW
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct.Rnwy lgts prior req
Terlingua (Tex)	2 E;hwy SW	2700	36	
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Tracy (Carlsbad, N.M.)	2 ENE;hwy S	3080	30 S6	80 oct.
U & S Fly.Svc.(Big Spring)	1.5 N; hwy 1 S	2517	34 S6	80 oct.P-line N,NNE.Ctn E/W strip.(Tex)
Val Verde Co.(Del Rio, Tex)	4.5 ENE;RR S	1094	49h	
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct. Poles NW.
★ ↑ Westbrook Int,32,EO-FV	1.3 S;RR N	2188	34 L3	P-line N,S. (Tex)
White (Brady, Tex)	10 W;RR N	1550	73	
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260 (WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80,91 oct
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
Yoas Ranch (Longfellow,Tex)	6.5 WSW;RR N	3675	36	PRIVATE.P-line NW.
NEW FACILITIES				
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex	14.8 S;ranch 4 E	2127	26	
→ Westodessa (Odessa,Tex)	1.5 WSW;RR S	2880	35 S2	80,91 oct.P-lines NNW,SSE
Maker (Abilene,Tex)	2.7 W;hwy,RR N	1750	30 S1	80 oct.P-line N,NE,NW
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW.
Snyder (Tex)	1.3 S	2270	21 S2	80 oct.P-lines NW,W,SE.E blkd.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. h-hard surfaced runways. R-radio facilities.

(vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


EL PASO 105
ABILENE 107
CARLSBAD 311
CARLSBAD MUN
CARLSBAD No. 1
TRACY
JOHN J. SMALL
HOBBS AAF 272 KC. 126.18 MC
HOBBS MUN.
SEMINOLE
HOGG
MIDLAND NO 2 AAF 219 KC. 126.18 MC.
STANTON
STANTON 12
U AND S FLY. SVC.
SNYDER
COLORADO CITY
ABILENE 379 116.1 MC
ANSON
AVENGER
LION'S CLUB
WESTBROOK
ABILENE AAF
ABILENE AIR TERM. 278 KC. 118.7 MC
BAIRD
MAKER
WICHITA
TEX LINE
N.M.
TEX.
CONTINENTAL
GUADALUPE PASS
DELAWARE SPRINGS
WINES
SALT FLAT 336
GUADALUPE PASS VOICE 116.1 MC.
WINK 260 116.1 MC.
WINK
ANDERSON
PECOS AAF
PYOTE AAF 272 KC. 126.18 MC.
KERMIT
MIDLAND
MIDLAND AAF
MIDLAND COM.
SKY HAVEN
W. ODESSA
ECTOR CO.
MIDLAND 209
BIG SPRING 326 116.1 MC
BIG SPRING 278 KC. 118.5, 126.18 MC.
SPADE RANCH
WINGATE
WINTERS
COLEMAN
FT WORTH
SAN ANTONIO
GOODFELLOW AAF
BRUCE
NO. CONCHO
SKY HARBOR
MILLER
GOODFELLOW AAF 227
CURTIS
WHITE
MONAHANS
CRANE CO.
PARKER
RANKIN
RITA SANTA
BIG LAKE
McCAMEY
SAN ANGELO-MATHIS 272 KC
CULBERSON CO.
RENT
VAN HORN
GIBBS
WIN
IRAAN
IRAAN MUN
ELDORADO
C-B RANCH
KINSER RANCH
OZONA
MARFA MUN.
RYAN No. 3
ARAGON No. 5
STARNS
MARFA AAF
SOUTH No 1
COMBS
LONGFELLOW
COX RANCH
SANDERSON
ALLISON RANCH
PANDALE
YOAS RANCH
DRYDEN
DRYDEN INT
SHERILL
BLAIR RANCH
TEX.
MEXICO
PRESIDIO MUN.
PRESIDIO
TERLINGUA
CASTOLON
JOHNSON RANCH
VAL VERDE CO.
DEL RIO
LAUGHLIN AAF
BRACKETTVILLE
GARNER
MEDINA
SAN ANTONIO 125
ABILENE 107
EL PASO
SAN ANTONIO
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 11°E
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS AIRSPACE WITH CAUTION
STATUTE MILES
BIG SPRING 121

CORPUS CHRISTI

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALICE Range (Tex)	224 (EZ)	72°,3.6	SRAWZ	
(P) Alice (Tex)	3.3 ESE;hwy 2 N	177	48h L5 S6	80, 91 oct.
(A) Aloe AAF (Victoria, Tex)	See Victoria Co under "New Facilities" - name change			
Aloe #10 (Victoria, Tex) (A)	19.8 WSW	150	40h	CLOSED.
Asherton (Tex)	1 S;hwy N	552	[illegible]	Trees N. Bush [illegible] N. C'l N.
* Austwell Int, 5A, CR-HU	2.1 SS[illegible];rd N	23	32 L3	(Tex)
BROWNSVILLE Range (International) (Tex)	388(JI)(116.1)	157°,2.3	SBRAZ-DTV	(3);116.1,122.1
CABANISS NAAS Tower (Tex)	(142.74)		CN	3105;142.74 (during flgt opers).
(N) Cabaniss NAAS (Corpus Christi, Tex) (N)	6.2 SSW;hwy NW	30	50h L5 S6	80,91,100 oct.
Central Valley (Mercedes)	1.5 NE;hwy S	62	31h S6	80,91 oct. Data unver
Chase (Beeville, Tex.)	5.6 ESE;rd N	186	46h L5	No bcn, bndry, or flood lgts. (Tex)
Chupadera Ranch Emerg. Strip (Laredo, Tex)	60 NW	630	33 L1	
CLIFF MAUS Tower (Tex)	278 (118.3)		C	(4);118.3,126.18,122.5 (7-23)
[Cliff Maus] (Corpus Christi, Tex)	2.5 SW;hwy N	42	45h L6 S2	80,91 oct.
Commercial (Edinburg)	1 W;RR SE	90	13 S1	73 oct. P-line NW. (Tex)
Community (Sinton, Tex)	2 W;RR E	50	24 S4	80 oct. Trees N, E, SE.
CORPUS CHRISTI Range (Cliff Maus) (Tex)	382(CR)(116.1)	138°,2.9	SBMRLZ-DTV	(3); 116.1, 122.1
CORPUS CHRISTI Navy Range	248 (NGP)	350°,3.3	MLZ	(3); 142.74
CORPUS CHRISTI NAS Tower	248 (142.74)		CN (GCA)	(3); 142.74
(N) Corpus Christi NAS (Tex)	9.5 SE;bay N	19	50h L5 S6	80,91,100 oct NATS (N)
CORPUS CHRISTI NAS Seaplane Tower (Tex)	2870(142.74)		CN	3105;6210; 142.74
(N) Corpus Christi OLF #10 (Tex) (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLF #11 (Tex) (N)	16 SSW	29	15h	13 SSW Aberdeen
(N) " OLF #25 (Tex) (N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLF #41 (Tex) (N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City (Tex)	1.8 N;RR W	600	[illegible] S4	80 oct. P-line [illegible]
CUDDIHY NAAS Tower (Tex)				DECOMMISSIONED.
(N) Cuddihy (Corpus Christi)	7.8 SW;crk S	39	50h L5 S6	80,91 oct. No bcn. (Tex.)
Dimmit Co. (Carrizo Spgs, (Tex)	2.8 E;hwy N	640	26	P-line NNE, WSW.
(P) Eagle Pass (Tex)	10 N;RR N	387	59h	
Eagle Pass Mun. (Tex)	1.3 E;hwy N	774	29 S2	80 oct. ARPT OF ENTRY
Elsa (Tex)	1 SSE;RR SE	70	[illegible] L S6	30 oct. Lgts prior req.
Foster (Victoria, Tex)	6.5 NE;RR S	104	52h	CLOSED
Fox (Raymondville, Tex)	1 WSW;RR S	40	26 L S4	80,91 oct. Poles S.SW.
Freer (Tex)	3.8 NNW			ABANDONED. Port flood prior req.
Harlingen, com. (Tex)	1.8 SSW	41	18	
Harlingen (Tex)	5 NW;RR SW			ABANDONED
Harlingen, mun. (Tex)	3.5 NE	35	60h L5 S6	80,91 oct. Lgts prior req
Hunt (Portland, Tex)	2 WNW;bay S	35	16 S4	80 oct.
Indianola (Magnolia Beach)	2 SW;hwy 1 S	17	34 S1	80 oct. Emerg only (Tex)
INTERNATIONAL Tower (Brownsville, Tex)	278 (126.18, 118.7)		C (ILS-W)	(4): 118.7 126.18, 122.5 (8-24)
NEW FACILITIES				
Woods (Donna, Tex.)	0.9 E;RR S	88	25 S6	73,80 oct. Obst sur fld.
Victoria Co (Tex)	5.5 WSW;hwy S	107	56h S6	80,91 oct.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) [International] (Brownsville, Tex)	4.5 E;hwy N	19	57h L6 S6	73-100 oct. ARPT OF ENTRY. 100 oct. Army
Kenedy (Tex)	1.4 ESE;hwy N	270	15 S2	80 oct. Ctn.
* Kingsville Int, 11, JI-FV	3.5 S;hwy W	58	26 L3	(Tex)
" (North) (Tex)	3.5 ESE	47	61h	CLOSED.
Kingsville (South) (Tex)	3.5 SE	51	61h S4	80, 91 oct.
Lake Mathis (Mathis, Tex)	5 WSW;RR SE			ABANDONED.
La Laja (Dolores, Tex)	1.5 NNE;riv SW			ABANDONED
LAREDO Range (Tex)	206(LL)(116.1)	137°,3.1	SBRAZ-DTV	(4); 116.1, 122.1
[Laredo] (Tex)	3.5 NE;hwy, RR V	512	66h L5 S6	80,91 oct. Lgts on req. ARPT OF ENTRY.
Los Fresnos (Tex)	0.8 SSE;RR W	35	24 S6	80 oct. P-line W.
McAllen (Tex)	1.6 SSW;hwy F	115	29 S6	80,91 oct. Obst sur. fld.
Magic Valley (Mission)	1.5 SSW;1k W			ABANDONED
(A) Matagorda Island (Tex) (A)		7	40h	TMP INACT. NO FACS. 9 SSW Port O'Conner.
Matagorda-Peninsula (Matagorda, Tex)	6.5 E Port O'Conner	5	40h	
Mauldin (Brownsville, Tex)	4.4 NNW;RR W	22	35 S6	80,91 oct. Obst sur fld.
Mid-Valley (Weslaco, Tex)	1.7 NE;RR W	70	[illegible] S4	80 oct. Canal N, [illegible] S.
(P) Moore (Mission, Tex)	12 N;RR E	219	50h L5 S6	80,91 oct.
" #1 (Mission, Tex)	10 N Edinb'g	80	40h	[illegible] wy, RR W
(A) " #3 (Mission, Tex) (A)	5 N La Grulla	300	30h	CLOSED.
PALACIOS Range (Tex)	350 (UX)	118°,1.6	MLWZ	
Palacios (Tex)	2.7 WNW	13	50h S4	80 oct.
* Pawnee Int, 22, JI-FV (Tex)	5 WNW	368	30 L3	
(P) Port Isabel (Tex)	10 NW	12	48h	
* Raymondville Int, 5, JI-FV	3.5 NNE	34	29 L3	RR W. (Tex)
(P) Rockport (Tex)	See Aransas Co under "New Facilities" - name changed.			
RODD NAAS Tower (Tex)	(142.74)		CN	3105;142.74 (during flgt opers.)
(N) Rodd NAAS (Corpus Christi, Tex) (N)	9.8 S;riv S	20	51h L5 S6	80,91,100 oct.
Rooke (Refugio, Tex)	3.2 WSW	46	26 S4	80 oct. P-line NE.
San Benito, 2, JI-FV (Tex)	1.5 E;RR SW	31	26 L3 S6	80,91 oct. Bust SW.
Shary (Mission, Tex)	1 NW;RR E			ABANDONED
Sinton (Tex)	1.3 E	27	26 S6	80,91 oct.
Tanner Sea & Land Plane Base (Port Lavaca, Tex)	3 S;hwy S	12	22 S1	80 oct.
Travland (Beeville, Tex)	2 NW;RR E	225	19 S2	80 oct. P-line E, NE.
Waldron (Corpus Christi, Tex)	12 SSE;hwy NNE	25	50h	CLOSED.
Weisman (Kingsville, Tex)	2.5 NNE;RR S			ABANDONED
Wormser (Lardeo, Tex)	4 SE;hwy W			ABANDONED
Worsham (Taft, Tex)	0.8 ENE;hwy S	54	20 L S6	80 oct. Port lgts on req.

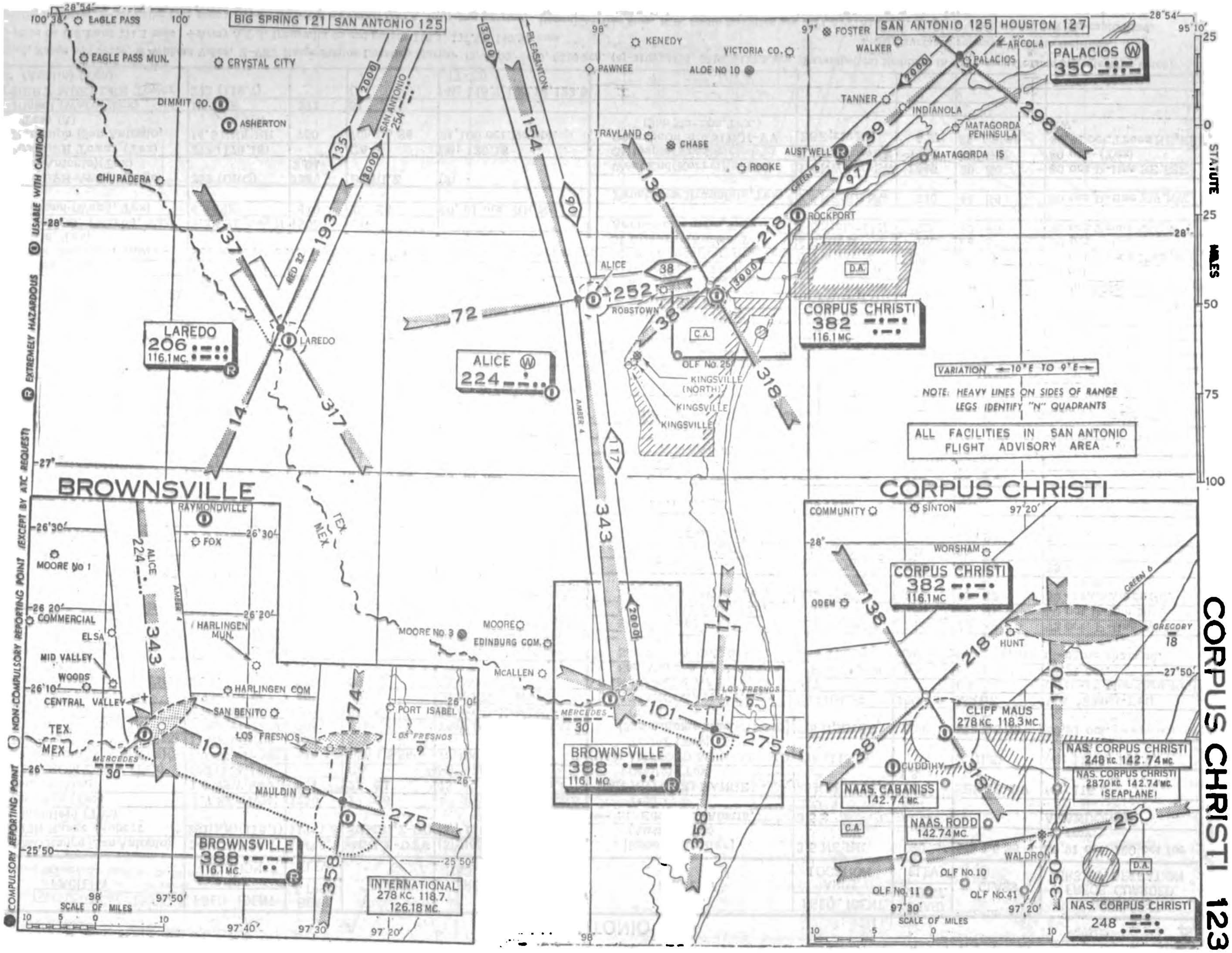
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INTERNATIONAL	110.3 •—•—• •—• —	335	170°	IM—	MM-•—•—(0.66)	OM- ——(4.34)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES				
(P) Aransas Co (Rockport, Tex)	4.3 N;bay W	22	45h	Rough. Use ctn. Cattle on fld.
Robstown Arpk (Tex.)	1 SW;RR S	83	16h	80 oct. P-line W. PRIVATE
Odem (Texas)	1.5 SSW;RR W	50	25 S1	80 oct. P-line N.
Walker (Lolita, Tex.)	1.8 SSW;riv W	14	18 S2	80 oct. P-line N.
Edinburg (Tex)	2.8 W;hwy N, W	90	24 S6	73,91 oct. P-line W, N.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (2) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.6 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.65 mcs. ⊕ A.A.C.S. Scheduled Broadcast on 4725 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —•— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



CORPUS CHRISTI 123

SAN ANTONIO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1(Tex.)
AUSTIN Range (Robert Mueller) (Tex)	281(XN)(116.1)	117°,1.8	SBMRLZ-DTV	(3); 116.1, 122.1
Bandera (Tex)	1.7 SE;riv N	1250	27 S6	80 ,91 oct.P-line ENE
Belton (Tex)	1.6 WSW;hwy N	511	21 S1	73, 80 oct. No sto.
BERGSTROM Tower (Tex)	396 (126.18)+		CA	(4); 126.18
(A) Bergstrom (Austin,Tex)(A)	7.5 SE;riv NE	515	65h L5 S6	73,100 oct.JP-1.
Blackland #1 (Waco, Tex)	11 WSW;RR S	575	55h	
(A) Bryan AAF (Tex) (A)	7 SSW;riv SSW	264	55h	TMP INACT.NO FACS
Burnet (Tex)	2 NE;RR W	1325	21 S1	80 oct.P-line SW.
Cameron Arpk (Tex)	1.7 N;RR W	402	29	Bldg NNE. Hwy W.
(A) Camp Hood Landing Field (Killeen, Tex) (A)	2 NE	920	36	CLOSED.
Coulter (Bryan, Tex)	4 NE;hwy NW	360	22 S6	80 oct. 5' fence SW.
Cuero (Tex)	3.1 N;riv 1 W	195	53 S6	80,91 oct. Port lgts prior
Curtis (Brady, Tex)	3 N;hwy SE	1830	42 S1	Ltd fuel req.
(P) Draughon-Miller (Temple, Tex)	5.5 NW;rd SW	675	54h L5 S1	80,91 oct. No flood lgts.Ctc lgts on req.
(P) Easterwood (College Station, Tex)	2.8 SW	320	52h S6	80 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Edgerton (Cuero, Tex)	2.9 E;hwy SW	185	1956	80 oct.
Edna (Tex)	1.5 ENE;RR NW			ABANDONED
Foster #4 (Victoria,Tex)	12.5 NNW	186	56h	lgts prior req
Garner (Uvalde, Tex)	2.7 E;hwy NW	930	17h L S6	80,91 oct. Port rnwy
(P) Georgetown (Tex)	3.3 N;hwy E	789	41h L5 S4	80, 91 oct.
Groesbeck (Tex)	1.5 E;hwy S	477	21 S1	73 oct.
Haile (Austin, Tex)	4.1 NE;RR NE	725	23 S6	80,91 oct. P-line E
* Hammond Int,16,GS-WC	2.5 SSE;RR W	393	30 L3	(Tex) SE.
Hearne (Tex)	0.8 SE;RR E	305	22 S1	80 oct.P-lines NE,E,
Hefner (El Campo, Tex)	1.5 WSW	104	41 L S6	80 oct. Port rnwy lgts.P-line NNE,SSW
(A) Hondo AAF (Tex) (A)	2.1 NW;RR S	929	61h	CLOSED.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio, Tex) (A)	6.8 SW;RR NE	675	75h L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEAR.STI
Killeen (Tex)	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
(P) Lampasas Co.(Lampasas)	6 NW;RR S	1480	42 S2	80 oct. (Tex)
(P) Llano Co. (Llano, Tex)	2.4 NNE	1029	40 S1	73 oct. Riv NE.
Louise (Tex)	1.6 E;RR W			ABANDONED
(P) Louis Schreiner (Kerrville, Tex)	See Kerrville Airport under "New Facilities"-name changed			
(P) Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
Newland (Waco, Tex)	4.5 SSE	410	25 S6	80, 91 oct. RR NE.
RANDOLPH Army Range (San Antonio)(Tex)	359 (DRQ)	322°, 2.04	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio, Tex) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riesel (Waco, Tex)	10.5 SE	371	51	
ROBERT MUELLER Tower (Austin) (Tex)	272 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
[Robert Mueller] (Austin, Tex)	3.5 NE;RR SW	620	46h L5 S6	80,91 oct. 100 oct for Army.
St. Edwards (Austin, Tex)	3.5 S			ABANDONED.
SAN ANTONIO RANGE (Kelly) (Tex)	254(ZN)(116.1)	107°, 1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO Tower (Tex)	278 (118.5)		C (ILS)	(4); 118.5, 122.5, 126.18
[San Antonio Mun.-Alamo] (Tex)	7.8 N;RR SE	800	55h L6 S2	80,91 oct.
SAN MARCOS Army Range	266 (DMS)	170°,4.2	MRLZ	V(6-18 Mon-Fri)
SAN MARCOS AAF Tower	317		CA	(3)(6-18 Mon thru Fri)
(A) San Marcos AAF (Tex)(A)	5 E;riv 1.4 W	596	63h L5 S1	73,91 oct.
* San Marcos Int, 31B, JI-FV (Tex)	See Thompson under "New Facilities"-name changed.			
Schulenburg (Tex)	2.2 N;hwy W	344	20 S4	73 oct. P-line W.
Scott (Gatesville, Tex)	1.8 E;hwy N	780	25 S1	80 oct.P-line NW.
Stephens (Marlin, Tex)	2 ESE;RR N, SSW	318	19 S2	80 oct.Cattle on fld. Pole W.
Taylor (Tex)	2.2 WNW;RR S	520	24 S4	73 oct.
White (Brady, Tex)	10 W;RR N	1550	73	
Woodson (Temple, Tex)	2 NNW;hwy SW	763	28h S4	80 oct.
YOAKUM H Fac (Int.)(Tex)	236 (YK)	352°, 2.8	HW	
* Yoakum Int,7,JR-HU(Tex)	5 NW;hwy S	387	39 L3	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALAMO	109.9	333.8	30°	IM-	MM- •—•— (0.68)	OM- — —(4.38)
					MMK-	OMK-230 •— — —
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Edna (Tex,	See Good under "New Facilities"- name changed.			
Killeen-new (Tex)	1.6SE;RR,hwy N	833	25 S1	80 oct.
Smithville (Tex)	2.5 SE;lake NW	324	18 S1	80 oct. P-line ENE SW
(P) Kerrville (Tex)	5.8 SE;RR SW	1590	44h L5 S6	80,91oct No f-lgts P-line
Good (Edna,Tex)	2 ESE;hwy S	60	18 S1	80 oct.
Mayan Ranch(Bandera,Tex)	0.7 W;riv N	1230	25 S2	80 oct Trees NNE,SSE,NW
St Edwards(Austin,Tex)	4 S;RR N	700	23 S4	80 oct
Aero-Tel(Austin,Tex)	7.5 N;plant 1 N	720	22 S6	80 oct Trees SSE,W .
Faust(New Braunfels,Tex)	2.5 NE;RR NW	720	44 S4	80 oct P-line SW,NW.
West End(Kerrville,Tex)	1.9 NW;hwy SW	1645	20 S6	80 oct P-line SE,SSE.
Gillespie(Fredericksb'g)	3.1 SW;hwy SE	1742	42 S3	80 oct (Tex)
Thompson Site 31B,JI-FV (San Marcos,Tex.)	2 SE;riv NE	577	29 L3 S6	80,91 oct.Trees NE,ESE, SW.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S. transmits on and guards 116.1, 137.88, 140.66 mcs. h-hard surfaced runways. R-radio facilities.

L-lighting facilities. S-servicing (see page XIII)→ NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

SAN ANTONIO 125

ABILENE 107 | FORT WORTH 109

USABLE WITH CAUTION

EXTREMELY HAZARDOUS

NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST BIG SPRING 121)

COMPULSORY REPORTING POINT

GOLDTHWAITE
WHITE
CURTIS
LAMPASAS CO
MASON CO
LLANO CO
BURNET
SCOTT
CAMP HOOD
KILLEEN (NEW)
KILLEEN
BELTON
BLACKLAND NO 1
NEWLAND
RIESEL
GROESBECK
STEPHENS
DRAUGHON-MILLER
WOODSON
HAMMOND
CAMERON
HEARNE
COULTER
BRYAN AAF
EASTERWOOD
GEORGETOWN
TAYLOR
ALRO-TEL
AUSTIN 281 116.1 MC
HAILE
ROBT MUELLER 272 KC 118.7 MC
ST EDWARDS
BERGSTROM AAF 396 KC 126.18 MC
SMITHVILLE
GILLESPIE
FOR DETAILS IN THE SAN ANTONIO AREA SEE CHART 111
WEST END
KERRVILLE
SPRING BRANCH
ALAMO 344 116.1 MC
THOMPSON
SAN MARCOS AAF 317 KC
SAN MARCOS AAF 266
RANDOLPH AAF 272 KC 126.18 MC
MAYAN RANCH
BANDERA
MEDINA
SCHULENBURG
RICHMOND 391
SAN ANTONIO (ALAMO) 278 KC 118.5 MC
SAN ANTONIO 254 116.1 MC
HONDO AAF
RANDOLPH AAF 359
YOAKUM (W) 236
YOAKUM INT.
GARNER
KELLY AAF 219 KC 126.18 MC
CUERO
EDGERTON
HEFNER
FOSTER NO 4
PALACIOS 350
PLEASANTON
ALICE
LAREDO
CORPUS CHRISTI 123
HOUSTON 127

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

VARIATION: ← 10°E TO 9°E →

STATUTE 20 MILES

HOUSTON

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR & DIST ELEV.	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
ALEXANDRIA Range (La)	251 (DAI)	310°,5.7	SMRAWZ	
(P) [Alexandria] (La)	5.5 W;riv 2 N	88	70h L5 S1	80, 91 oct.
Angelina Co. (Lufkin, Tex)	7.5 SSW;RR W	288	42	Cattle on fld
Bay City (Tex)	2 SSW;RR N			ABANDONED
BEAUMONT Range (Jefferson Co) (Tex)	368 (JU) (116.1)	160°,3.7	BMRLZ-DTV	(4);116.1,122.1
Beaumont (Tex)	6.8 W;bet RRs	28	34 L3 S6	73,80 oct. Fld lgts prior
→ Carter Fly. Svc (Velasco, Tex)	0.8 NW;RR NE	10	27 S1	80 oct. P-line NNW req.
Damon (Tex)	3 ESE;hwy WSW	60	22	4' fence sur fld. WNW
De Quincy (La)	1.5 SW;RR NW	78	24	Cattle on fld. Trees N,E.
(P) De Ridder (La)	3.5 WSW;RR S	203	45h	Lgts on req to Ellington
(A) Ellington (Houston, Tex) (A)	15 SE;RR W	39	52h L5 S1	100 oct. Airways or
(A) Erwin-Newman (Houston, Tex)	5 SSW;hwy N	50	28 S6	80 oct. Houston Arpt.
Eunice (La)	1.7 W;hwy N	45	35 S2	80 oct.
GALVESTON Range (Tex)	263 (GS) (116.1)	125°,4.2	SBMRLZ-DTV	(4);116.1,122.1
[Galveston] (Tex)	3.5 WSW;gulf S	7	60h S6	80,91 oct.
Gulf Coast (Texas City, Tex)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct. No sto. P-line
HITCHCOCK Tower (Tex)	3295		CN	3105,6390 (days) N.
(N) Hitchcock NAF (LTA) (N)	2.3 SW;RR ENE	20	20h	(Tex)
HOUSTON Range (Tex)	322 (HU) (116.1)	309°,2.2	SBRAZ-DTV	3);116.1,122.1
HOUSTON Tower (Tex)	(278) (126.18,118.5)		AC (ILS)	(4);118.5,126.18,122.5
[Houston] (Tex)	9 SSE;hwy W	50	47h L6 S6	73,80,91,100 oct.
Humphrey (Goose Creek)	4 NNE;RR E	34	24	P-line NW,W. (Tex)
Jackson (Cypress, Tex)	4 SE;hwy S	145	25 S6	80 oct.
(P) Jefferson Co. (Beaumont, Tex)	9.8 SSE;hwy NE	15	51h L5	Rnwy ctc lgts on req.
→ Jennings (La)	1.4 NNW;RR SW	20	32 S4	80,91 oct. P-line E.
LAKE CHARLES MUN Range	242 (LC) (116.1)	340°,2.5	SBRAZ-DTV	(4);116.1,122.1
→LAKE CHARLES Tower (La)				DECOMMISSIONED
(A) [Lake Charles Mun.] (La)	4 ESE;RR NE	17	63h L5 S6	80,91 oct.;73,100 oct, JP-1 for Army.
→ Lake Charles (La)	5.2 SSW;hwy N			ABANDONED
→ Lake Jackson (Freeport)	9.5 NW;hwy E			ABANDONED
Lamar (Beaumont, Tex)	4 SE;riv NE	17	22 S4	80 oct. No sto P-line N,S.
(P) Le Gros Memorial → (Crowley, La)	6.5 WSW;RR N	16	43h L5 S2	80,91 oct.
Lufkin (Tex)	2 NW;hwy N	315	31 L1 S6	73,80 oct.
Madisonville Emerg. (Tex)	0.8 NW;hwy E	400	18	
Main Street (Houston, Tex)	6.5 SSW;hwy SE	50	22 S6	80 oct.
McArthur (Alexandria, La)	2.8 W;hwy E,N	86	26 S4	80,91 oct Trees N,S. Rnwy
Minor Stewart (Houston)	10 S;RR W.	58	20 S6	80 oct. (Tex) data unver.
(P) Montgomery Co. Arpk. (Conroe, Tex)	3.5 NE;hwy W	245	46h L5 S6	80,91,100 oct. No flood lgts. Rnwy lgts prior
NAVASOTA Range (Int.) (Tex)	212 (NT)	180°,1.4	MRLW	req.
* Navasota Int,10,GS-WC (Tex)	2.5 ENE; RR NNW	331	30 L3	
(A) No. Camp Polk Land Strip	6 NE	340	14h	(Camp Polk, La) (A)
No. Lake Charles (Lake Charles, La)	10 N;hwy NW	17	50	
Oakdale (La)	3 W;hwy N	123	27	Trees WSW,ENE.
Old Ocean (Tex)	1 ENE;hwy N	60	35 S1	80 oct. Cattle on fld.
Orange (Tex)	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur, Tex)	4 NW;RR NE	6	34 S6	80 oct.
(A) Pollock AAF (La) (A)	4.5 SW	211	45h	CLOSED.
(A) Preston (Houston, Tex) (A)	2.5 WNW of La Porte	34	40	CLOSED.
RICHMOND Range (Tex)	391 (UT)		MRLW	
Richter (Kirbyville, Tex)	1.5 S;RR E	175	16	
Sam Houston (Houston, Tex)	10.5 SW;RR S	60	30 S6	73, 80 oct.
Sam Houston State College (Huntsville, Tex)	2.5 NW;RR E	401	24 S2	80 oct.
(A) So. Camp Polk Landing Strip (Camp Polk, La) (A)	Adj E	300	21h	
Sky Harbor (Anahuac, Tex)	0.3 S;hwy N	24	22 S1	80 oct.
Skyport (Houston, Tex)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston, Tex)	6 ENE;RR N	60	30 S4	80 oct.
Tri-Cities (Goose Creek, Tex)	2.6 N;RR E	25	24 S2	80 oct. P-line SE
(P) Wharton (Tex)	1.8 ENE;RR N	100	45 S4	80 oct. P-line NW,NNW.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ HOUSTON	109.9 ••-•	333.8	35°	IM-	MM-•-•-(0.66)	OM- ——(4.78)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

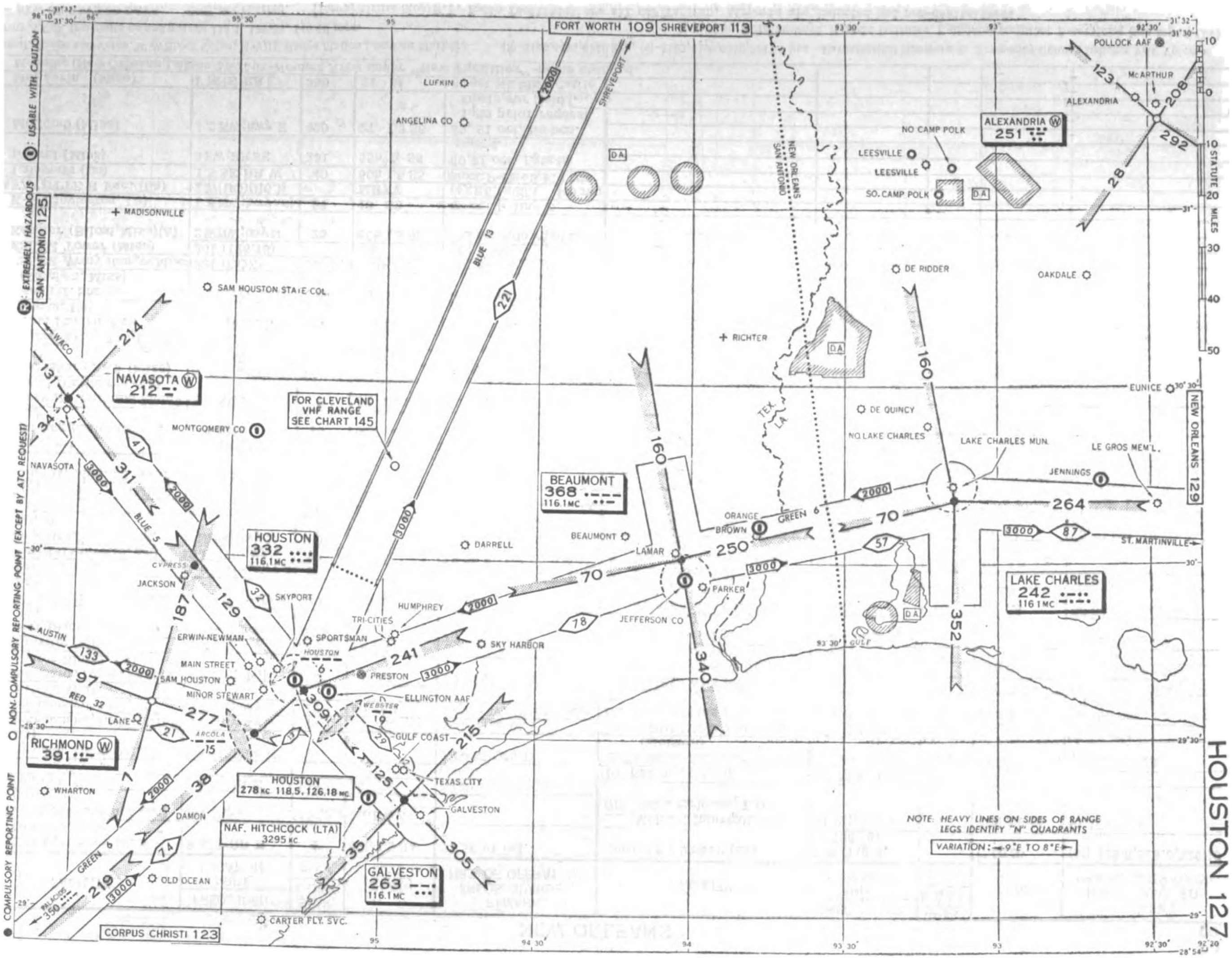
NEW FACILITIES

CLEVELAND Range (Tex)	109.1 (CL)		VARW	
Brown (Orange, Tex)	3.6 WSW;hwy SE	20	47 S4	80,91 oct. No sto. P-line SE.
Darrell (Liberty, Tex)	4.3 ESE;RR, hwy N	30	29 S1	80 oct. P-line N
Lane (Rosenburg, Tex)	2.5 SE	106	25 S2	80,91 oct. NNW.
Texas City (Tex)	1.8 NNW	8	34 S4	80.91 oct. P-line NE.
→ ELLINGTON Tower (Houston, Tex.)	219		CA	4495;126.18 (8-17)

S-Simul Range and Voice. W-Without Voice Z-VHF Range Station Location Marker (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

(vhf)-voice on 116.1 and 111.1 mcs +Army A.C.S transmits on and guards 116.1, 137.86, 140.66 mcs h-hard surfaced runways. R-radio facilities

L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not charted [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


FORT WORTH 109
SHREVEPORT 113
HOUSTON 127
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
SAN ANTONIO 125
LUFKIN
ANGELINA CO
MADISONVILLE
SAM HOUSTON STATE COL.
WACO
NAVASOTA
MONTGOMERY CO
FOR CLEVELAND VHF RANGE SEE CHART 145
NAVASOTA 212
HOUSTON 332 116.1MC
BEAUMONT 368 116.1MC
BEAUMONT
DARRELL
CYPRESS
JACKSON
SKYPORT
TRI-CITIES
HUMPHREY
ERWIN-NEWMAN
SPORTSMAN
SKY HARBOR
MAIN STREET
SAM HOUSTON
MINOR STEWART
PRESTON
ELLINGTON AAF
WEBSTER
GULF COAST
AUSTIN
LANE
ARCOLA
RICHMOND 391
WHARTON
DAMON
OLD OCEAN
HOUSTON 278KC 118.5, 126.18MC
NAF. HITCHCOCK (LTA) 3295KC
GALVESTON 263 116.1MC
TEXAS CITY
GALVESTON
CARTER FLY. SVC.
CORPUS CHRISTI 123
SHREVEPORT
NEW ORLEANS SAN ANTONIO
RICHTER
DE RIDDER
OAKDALE
LEESVILLE
NO CAMP POLK
SO. CAMP POLK
ALEXANDRIA 251
POLLOCK AAF
McARTHUR
ALEXANDRIA
EUNICE
DE QUINCY
NO LAKE CHARLES
LAKE CHARLES MUN.
LE GROS MEM'L.
JENNINGS
ORANGE
BROWN
GREEN
LAMAR
PARKER
JEFFERSON CO
LAKE CHARLES 242 116.1MC
ST. MARTINVILLE
GULF
TEX. LA
NEW ORLEANS 129
STATUTE MILES
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 9°E TO 8°E
DA
BLUE 13
BLUE 5
RED 32
GREEN 6
AMBER 6
PALACIOS 350
311
214
131
34
41
187
129
97
277
38
219
14
309
241
70
78
340
352
160
125
215
305
35
264
57
87
208
292
123
28
133
21
15
19
29
3000
2000
1000

NEW ORLEANS

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(N) **Alvin** Callender (New Orleans, La)	9 SSE;RR E	4	50h L5 S4	73,80,91 oct.
BATON ROUGE Range (La) (Harding)	347 (RX)	119°,3.4	MRLWZ	
Bogalusa (La)	2.4 N;RR E	100	35 S6	80,91 oct. No sto. Poles S.
→ Chapman (New Orleans, La)	8.5 NE;lake N			ABANDONED
★ Covington Int,3,NO-LS (La)	6 NNE;hwy W	77	27 L3	Pole line W.
✱ Donaldsonville Int, 26, HU-NO (La)	3 ENE;hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge, La)	4 E;hwy N,E	56	31 S4	80,91 oct. P-line S.
Ellisville (Miss)	1.3 SW	240	18 S4	80 oct. Trees all appchs
(A) Esler (Alexandria, La) (A)	11 NE;Bayou S	108	45h	CLOSED
False River (New Roads, La)	1.6 S ;lake S	30	30 S1	80 oct.
Ferriday (La)	1.5 N;RR,hwy E	55	17	fld.
→ Girard (Lafayette, La)	2.5 NW;hwy E	39	26 S4	73,80,91 oct. Obst sur
Glendale (Hattiesburg, Miss)	5 NNW;hwy E	200	26 S4	80 oct. Trees sur fld.
↘ Grand Isle (La)	2.6 NE;hwy NW	4	22	
(P) Gulfport #1, (Miss)	3 NE;bayou N	27	70h S4	80 oct.
→ Gulfport, Mun. #2 (Miss)	1.3 N;RR E	30	24	CLOSED
(P) Hammond	2 ENE;RR S	40	50h L5 S1	80,91 oct. Lgts prior req.
(P) [Harding] (Baton Rouge, La)	5.8 NNE	70	60h L5 S2	80,91,100 oct.
(P) Harry P. Williams Memorial (Patterson, La)	2 WNW;hwy NW	9	32 L2 S4	80 oct. Trees NW.
(A) Hattiesburg AAF (Miss) (A)	5 SSE;RR SW, NE	145	43h	Poles W,NW. CLOSED
(N) Houma NAS (LTA)(La)(N)	3.1 ESE;RR NE	11	50h	NAVY TEMP INACT.
Iberia Parish (New Iberia, La)	5 NW;RR NE	27	40h L5 S6	73-91 oct.
Joseph H. Sharpe (Natchez, Miss)	See Sharpe Airport under "New Facilities" - name changed			
KEESLER Army Range (Miss)	221 (DOX)	210°,2.9	BMRLZ	(4); 4220
KEESLER Tower (Miss)	201 (126.18)		CA	(4); 4220
(A) Keesler (Biloxi,Miss)(A)	2 WNW;bay N	26	66h L5 S5	100 oct. Rdo rqrd ngts.
K-P (Covington, La)	1.6 NW;hwy adj	27	18 S2	80 oct. P-line E.
LAFAYETTE H Fac. (La)	227(UG)(116.1)		MHTV	(4);116.1,122.1 on req.
Lafayette (La)	1.5 SE;RR W	40	50h L5 S5	80 oct. P-line S. Fld lgts
Laurel (Miss)	3 SW;RR SE	231	55h L S6	80,91 oct. Lgts in emerg.
McComb (Miss)	1.3 NW;hwy E	460	27 L3 S6	80, 91 oct. No bcn. Lgts prior request. Obsts sur field. on fld.
McLaurin (Miss)	1 NNE;RR E	350	21 S4	80 oct. NE blkd. Cattle
Menefee (New Orleans,La)	See Meraux-Neunez Arpk under "New Facilities" - name changed.			
MOISANT Tower (La)	278 (118.3, 126.18)		C (ILS)	(4); 122.5,118.3,126.18
→ [Moisant International] (N) (New Orleans, La)	11 W;riv 1 S	3	70h L6 S4	91,100 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	
NEW ORLEANS Range (La) (Moisant)	338(NO)(116.1)	271°,3.2	SBRAZ-DTV	(3);116.1,122.1
NEW ORLEANS Tower (La)	382 (126.18)		CA	(4); 126.18
(NG) New Orleans (La) →	6.5 NNE;RR S	8	40h L4 S4	91,100 oct.; 80-100 oct, 1-ech main NG.
NEW ORLEANS NAS Tower	323 (142.74)		CN	(3); 142.74 (8-sunset)
(N) New Orleans NAS (La)(N)	4.6 N; on lake	7	34h S1	100 oct. Twr NE.
(P) Opelousas (La)	1.5 NE	35	18	Data unver.
Picayune (Miss)	2.3 NNE;hwy W	92	19 S4	80 oct. P-line W
Pike Burden (Baton Rouge, La)	5 SE	35	50 S1	80 oct. Data unver.
→ Texaco (New Iberia,La)	2.6 N;hwy W			ABANDONED
✱ Tylertown Int,7,NO-LS (Miss)	6 SE;rd E	393	40 L3	
Ulmer (Brookhaven,Miss)	1.5 NNE;RR W	500	28 S4	73,80 oct. No sto. P-line W
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MOISANT	109.9	333.8	100°	IM- ·····(0.05)	MM- -·-·- (0.67)	OM- – –(3.92)
					MMK-	OMK-254 -·-··
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

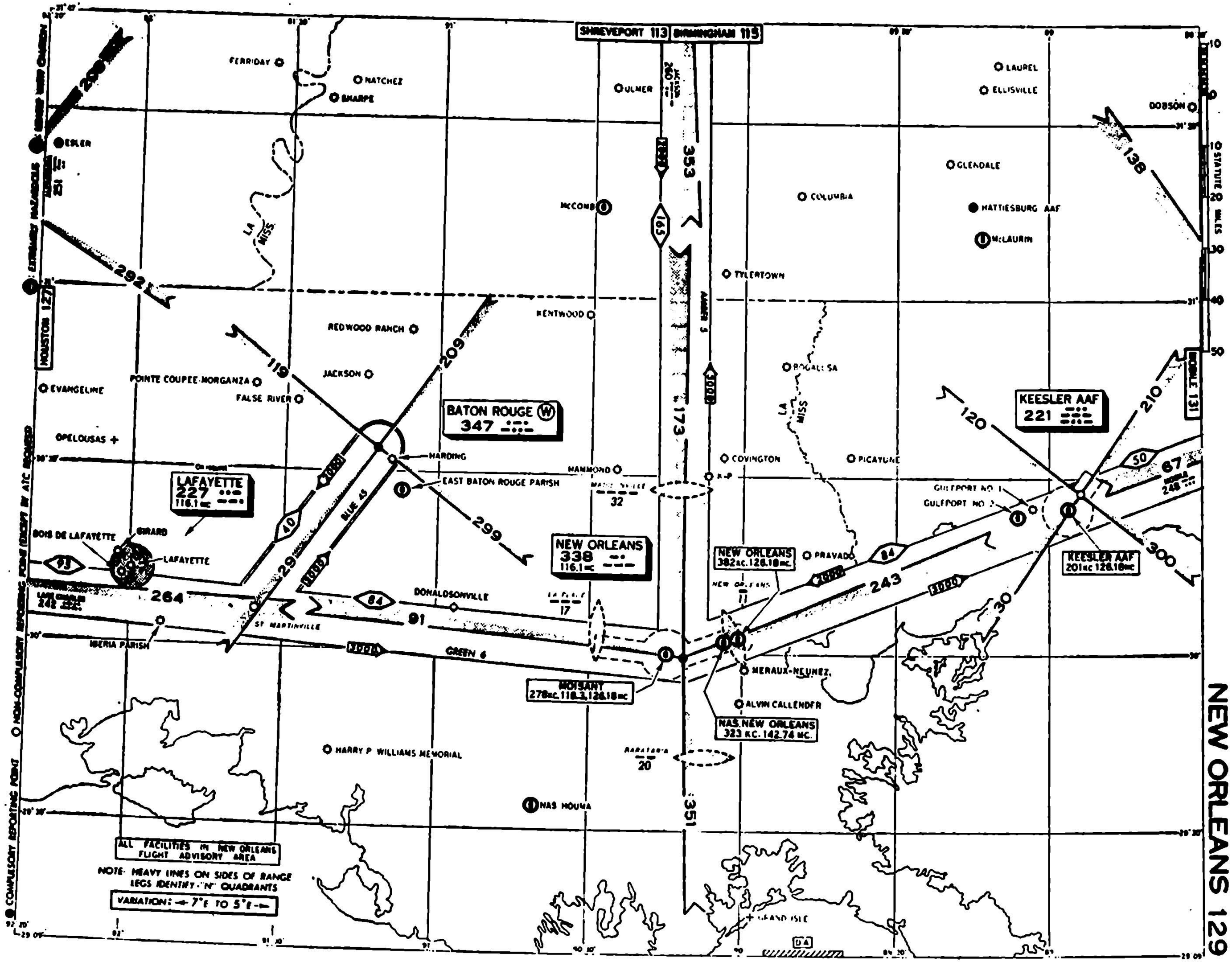
NEW FACILITIES

Pravado(Slidell,La)	1 W;hwy N	9	18 S1	80 oct
Kentwood (La)	0.4 N	100	15 S2	80 oct
Dobson(Bucatunna,Miss)	1 N;hwy W	185	22 S2	80 oct. Trees ENE,SSE, NNW
Sharpe (Natchez,Miss)	1.8 ESE;RR S	27	26 S4	80 oct. N,W blkd
Meraux-Neunez Arpk (New Orleans,La.)	5.2 E;riv S	1	25 S6	80 oct. P-lines S.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice.

⊥ Army A.C.S. transmits on and guards 116.1, 137.86, 140.58 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)

→ NEW OR REVISED DATA. (NC)-Not charted. [Jones] Airline Stop **N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalised.**


SHREVEPORT 113
BIRMINGHAM 115
FERRIDAY
NATCHEZ
SHARPE
ULMER
LAUREL
ELLISVILLE
DOBSON
ESLER
GLENDALE
COLUMBIA
HATTIESBURG AAF
McLAURIN
McCOMB
TYLERTOWN
KENTWOOD
REDWOOD RANCH
JACKSON
POINTE COUPEE-MORGANZA
EVANGELINE
FALSE RIVER
OPELOUSAS
BATON ROUGE
347
HARDING
EAST BATON ROUGE PARISH
HAMMOND
COVINGTON
PICAYUNE
GULFPORT NO 1
GULFPORT NO 2
KEESLER AAF
221
LAFAYETTE
227
116.1
BOIS DE LAFAYETTE
GIRARD
LAFAYETTE
DONALDSONVILLE
ST MARTINVILLE
IBERIA PARISH
NEW ORLEANS
338
116.1
NEW ORLEANS
382 KC. 126.18 MC
PRAVAD
KEESLER AAF
201 KC 126.18 MC
MORGANZA
278 KC. 118.3, 126.18 MC
MERAUX-NEUNEZ
ALVIN CALLENDER
NAS NEW ORLEANS
323 KC. 142.74 MC.
HARRY P WILLIAMS MEMORIAL
NAS HOUMA
GRAND ISLE
ALL FACILITIES IN NEW ORLEANS FLIGHT ADVISORY AREA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 7°E TO 5°E
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (BEACON IN A/C RECEIVER)
NEW ORLEANS 129

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
(A) Alliance #4 (Marianna,Fla)(A)	14 SE	215	50h	CLOSED.
Andalusia (Ala)	1.7 S;hwy W	340	18 S6	80 oct. P-line NW.
(A) Apalachicola AAF (Fla)(A)	2 W;RR N	19	53h	CLOSED.
★ Atmore Int,16,NO-AG (Ala)	6 NW;at rd int.	287	31 L3	
(N) Bagdad OLF (Pensacola,Fla)(N)	14 NE;RR SE	111	18h	Use rnwys
➔ BARIN NAAS (EAST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-East (Foley,Ala)	2.7 ESE	51	41h	CLOSED (N)
➔ BARIN NAAS (WEST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-West(Foley,Ala)	2.7 ESE	72	34h	CLOSED (N)
(A) Bascomb (Fla) (A)	3.5 NE	120	50h	CLOSED.
[Bates] (Mobile, Ala)	10 W;rd N,S	218	50h L5 S6	80,91 oct No flood lgts; ctc lgts on req.
(P) Brewton (Ala)	3.5 S;riv N	92	40h	Cattle on fld.
➔ Brewton (old)(Ala)	2.5 N;hwy E			ABANDONED
(N) Bronson NAAS (Pensacola,Fla)	12 WSW;bay W	27	44h	CLOSED (N)
BROOKLEY Tower (Mobile,Ala)	281 (126.18)+		CA	(4); 126 18
(A) Brookley (Mobile,Ala) (A)	3 SSW;RR NW	26	89h L5 S4	62,73,100 oct. JP-1.
(N) Canal OLF (Foley,Ala)(N)	8 S;rd W	16	36h	
Carabelle Flgt Strip (Fla)	2.6 W;hwy S	20	40h	NNW.
Chastain's (Prichard, Ala)	2.5 NW;hwy F	50	19 S6	80 oct. SSE blkd, Trees SW
➔ Chipley (Fla)	3.2 SE;RR N	100	26 S6	80 oct. S blkd, Trees N.
(N) Choctaw OLF (Pensacola,Fla)	15 ENE	111	40h	(N)
City Air Park (Panama City)	2.5 N	40	26 S6	80,91 oct Data unver. (Fla
➔ CRESTVIEW Range (Fla)	350(HW)(116.1)	263°, 2.6	SBRAZ-DTV	(4);116.1,122.1
Crestview, 21, NO-JX (Fla)	2.5 N;RR E	274	33 L2 S6	80 oct. No sto.
Davis (Mobile, Ala)	13.5 SW;bcn N.	180	17 S6	80 oct.
➔ De Funiak Springs (Fla)	1 W;hwy N	197	25 S6	80 oct. Obst sur fld.
Donalsonville (Ga)	1 S	150	40h	
DOTHAN Range (Ala)	233(NI)(116.1)	47°, 3.7	SBRAZ-DTV	(4); 116.1
[Dothan] (Ala)	3 WNW;hwy SE	330	40h L5 S6	80,91 oct. No sto. No flood lgts.
EGLIN Army Range (Fla)	209 (DVQ)	175°, 3.6	MRLPZ	Range cont.; (3); 126.18 (6-24)
EGLIN Tower (Fla)	278 (126.18)+		CA	(3); 126.18 (6-24)
(A) Eglin (Valparíso,Fla)(A)	1.8 SW;hwy SE	71	80h (L5) S4	73,100 oct. JP-1 No sto
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
➔ Ellis (Marianna, Fla)	9.5 N;riv W	116	50h	CLOSED
(N) Ellyson NAAS (Pensacola,Fla)	7.5 NNE;bay E	115	38h	CLOSED (N)
Enterprise (Ala)	0.5 N;hwy W	355	23 S6	80 oct. Trees WSW.
(N) Faircloth OLF (Lillian,Ala)(N)	3 NW;bay E	70	37	
Geneva (Ala)	2.4 NW;hwy S	88	23 S4	80 oct. RR S
➔ Gulf Airpark (Pensacola,Fla)	See Airpark (Pensacola, Fla.) under "New Facilities"-name changed.			
➔ Headland (Ala)	2 NE;hwy N	350	48	
(N) Helm OLF (Pensacola,Fla)(N)	12 NW			ABANDONED.
(N) Holley OLF (Fla) (N)	1.5 S;riv N	37	36h	
➔ Jackson Co. (Pascagoula,Miss)	3.5 ENE	16	45h S6	80,91 oct.
(N) Kaisers Tract OLF (Elberta, Ala) (N)	3.3 ENE;hwy 8	90	25	
Luverne (Ala)	1.7 NNW;hwy SW	300	20 S4	80 oct. P-line W,E blkd.
(N) Magnolia OLF (Foley,Ala)(N)	5.4 NW	83	29h	
(A) Malone #2 (Marianna,Fla)(A)	15.5 N	154	50h	CLOSED.
➔ (P) [Marianna] (Fla)	6 NE;hwy E	112	50h L5 S6	80,91 oct. Fld lgts prior req
(P) Middleton (Evergreen,Ala)	6 WSW;hwys 3 E	258	40h L1	
(P) Milton "T" (Fla)	3.5 ENE;RR S	150	53 S6	80 oct. E,S,W blkd.
MOBILE Range (Ala)(Brookley)	248(MS)(vhf)	138°,3.2	SBRAZ-DTV	(3);116.1,122.1
➔ (P) Napier (Dothan, Ala)	7.5 NW;RR S	397	45h	
(A) Ozark AAF (Ala) (A)	12 SSW	305	46h	TMP INACT,NO FACS.
Panama City (Fla)	5 NW;bay W	4	19 S4	80,91 oct.
➔ PENSACOLA Range (Fla)	326(KH)(116.1)	340°,2.1	SBRAZ-DTV	(4); 116.1
(P) [Pensacola] (Fla)	4 NNE;bay E	121	50h L5 S6	80,91 oct.
➔ Pensacola Arpk (Fla)	4 NW;hwy E	90	34 S1	80 oct. Allway fld.
PENSACOLA NAS-CHEVALIER Tower (Fla)	382 (142.74)		CN	(4); 142.74 (sunrise-30 min. after sunset)
PENSACOLA NAS-CHEVALIER (Seaplane) Tower (Fla)	2870 (142.74)		CN	3105;142.74 (730-1630 except Sat,Sun,and holidays)
(N) Pensacola NAS-Chevalier(Fla)	5.3 SW;RR W	9	26h L S6	91 oct. Flood,obst lgts.(N)
PENSACOLA NAS-CORRY Tower	341 (142.74)		CN	3105; 142.74
(N) Pensacola NAS-Corry (Fla)(N)	5 WSW;hwy SE	32	43h L4 S6	91 oct. Obsts N,E,W.
(N) " OLF #1 (N) (Fla)	14 NW;riv 3 W	100	46	ABANDONED.
(N) " OLF #5 (N)	10 NNW;RR W	115	57	ABANDONED.
(N) " OLF #6 (N)	10 NNW;RR E	110	48	ABANDONED
(N) " OLF #7 (N)	7 NW	103	37	ABANDONED.
(N) " OLF #8A (N)	13 NW	100	73	
(N) " OLF #9K (N)	11.5 NNW;RR E	110	50	ABANDONED.
(A) Reynoldsville (Ga) (A)	1.7 SSW	110	30h	CLOSED.
(N) Santa Rosa OLF (Milton,Fla)	6 E;rivs N,S,W	150	45h	(N)
SAUFLEY NAAS Tower (Fla)	275 (142.74)		CN (GCA)	3105,4495; 142.74
(N) Saufley NAAS (Pensacola,Fla)	8.5 WNW;bay SW	85	61h L5 S4	100 oct. NATS. (N)
(N) Silverhill OLF (Ala) (N)	3.5 WNW	129	30h	
Skyland (Panama City,Fla)	Within city W	12	20 S6	80 oct. No sto. P-line S.
Southern Airmotive (Dothan)	2 SE;hwy SW	322	27 S6	80 oct. Twr NW. (Ala)
(N) Spencer OLF (Pensacola,Fla)	15 NNE;bay S	145	18h	(N)
(N) Summerdale OLF (Ala) (N)	3.5 ENE;RR W	129	29h	CLOSED
TYNDALL, Army Range (Fla)	203 (DKE)	313°, 2.8	MRLZ	(3); 126.18 (V, 6-24)
TYNDALL Tower (Fla)	272 (126.18)		CA	(3); 126.18 (6-24)
(A) Tyndall (Panama City,Fla)(A)	8 SE;Gulf SW	16	61h L5 S6	73,91,100 oct.
WHITING Navy Range (Fla)	524 (AWT)	130°, 3.2	MRLWZ	
WHITING NAS-NORTH Tower	269 (142.74)		CN	3105,4495; 142.74 (Fla)
(N) Whiting NAS-North (Milton,Fla)	6 N	200	60h (L6) S4	73,91,100 oct. (N)
➔ WHITING NAS-SOUTH Tower				DECOMMISSIONED
(N) Whiting NAS-South (Milton,Fla)	5 N	178	60h	Use N Fld. INACTIVE.(N)
(N) Wolf OLF (Elberta,Ala). (N)	5.8 SE	54	30h	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

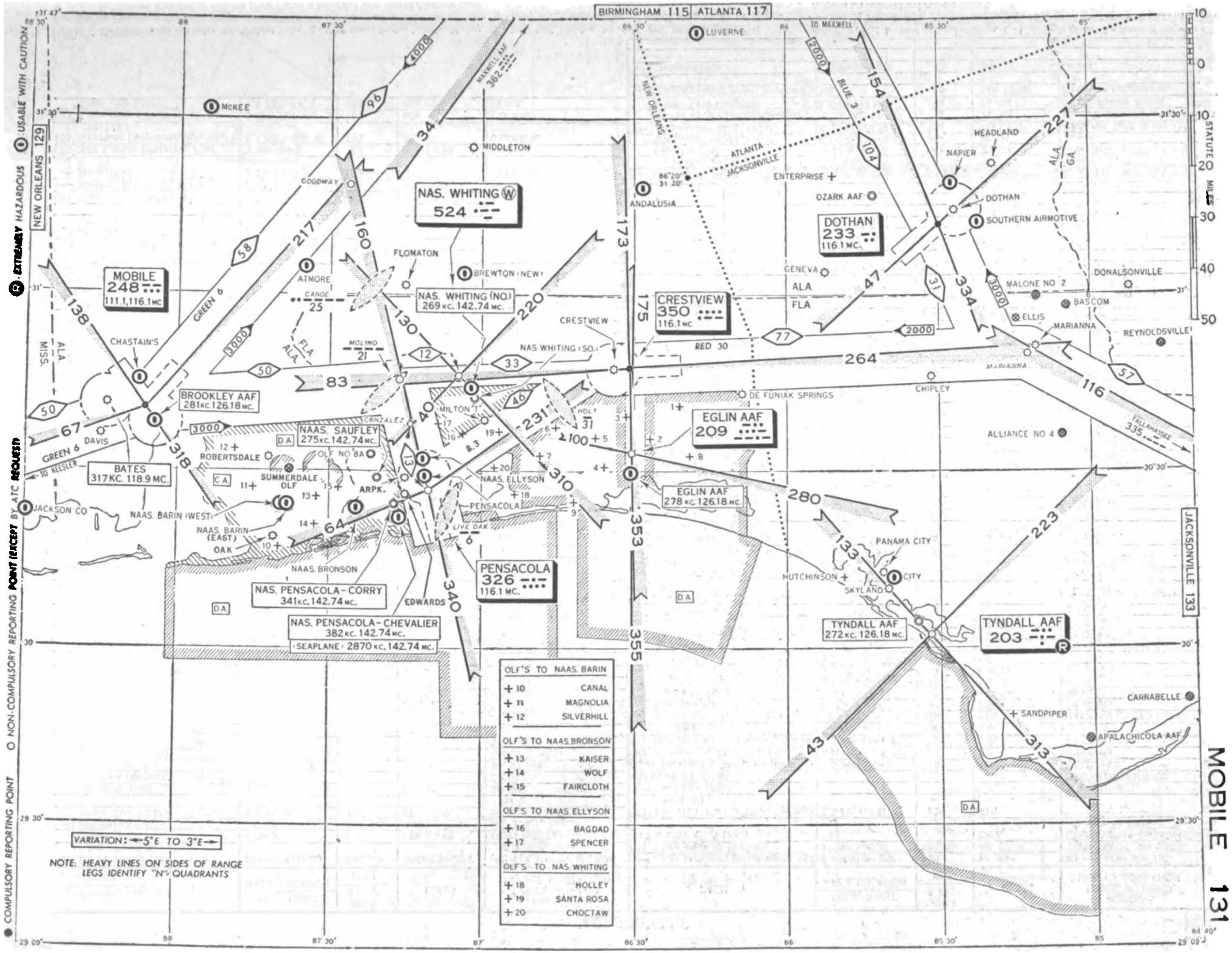
NEW FACILITIES

BATES tower(Ala)	317(118.9)	C	(4);118.9,122.5 [prior req.
Flomaton (Ala)	2 NNE;RR 1 E	240	16 L S4	80 oct. P-line W. Strip lgts
Hutchinson's Avia. Port	9 5 WNW	10	19 S1	80 oct (Panana City,Fla)
Sandpiper (Port St Joe,Fla)	1 E	20	22 S4	80 oct
Headland (Ala)	2 ENE;hwy NW	350	48 S1	80 oct.
➔ Oak (Foley,Ala.)	6 S;riv W	35	20 S6	80 oct. Trees E.
➔ McKee (Jackson,Ala)	1.1 N;hwy E	60	17 S2	80 oct. S blocked.
➔ Robertsdale (Ala)	1.3 E;RR W	142	19 S4	80 oct. P-line E.
➔ Airpark (Pensacola,Fla.)	4.5 WNW;hwy SW	70	20 S1	80 oct.
➔ Edwards (Pensacola, Fla.)	Adj W;RR W	70	30 S6	80 oct.
➔ Oak (Foley, Ala.)	6.0 S;riv N.	35	20 S6	80 oct. Trees E.

S-Simul Range and Voice W-Without Voice. Z-VHF Range Station Location Marker (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.

+Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)

➔ NEW OR REVISED DATA (NC)-Not charted. [Jones] Airline Stop N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalised.


BIRMINGHAM 115 ATLANTA 117
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NEW ORLEANS 129
LUVERNE
TO MAXWELL
McKEE
MAXWELL AAF 362
MIDDLETON
NAS. WHITING 524
ATMORE
FLOMATON
BREWTON (NEW)
NAS. WHITING (NO.) 269 KC. 142.74 MC.
MOBILE 248 111.1, 116.1 MC
CHASTAIN'S
BROOKLEY AAF 281 KC. 126.18 MC.
NAAS. SAUFLEY 275 KC. 142.74 MC.
ROBERTSDALE
BATES 317 KC. 118.9 MC.
JACKSON CO
NAAS. BARIN (WEST)
NAAS. BARIN (EAST)
OAK
SUMMERDALE OLF
ARPK.
NAAS. ELLYSON
PENSACOLA
LIVE OAK
NAAS. BRONSON
NAS. PENSACOLA – CORRY 341 KC. 142.74 MC.
NAS. PENSACOLA – CHEVALIER 382 KC. 142.74 MC.
SEAPLANE 2870 KC. 142.74 MC.
EDWARDS
PENSACOLA 326 116.1 MC.
CRESTVIEW 350 116.1 MC
NAS WHITING SO.
MILTON
DE FUNIAK SPRINGS
EGLIN AAF 209
EGLIN AAF 278 KC. 126.18 MC.
ATLANTA JACKSONVILLE
ENTERPRISE
OZARK AAF
ANDALUSIA
DOTHAN 233 116.1 MC.
SOUTHERN AIRMOTIVE
HEADLAND
NAPIER
GENEVA
ALA
FLA
MALONE NO 2
DONALSONVILLE
BASCOM
ELLIS
MARIANNA
REYNOLDSVILLE
CHIPLEY
ALLIANCE NO 4
TYNDALL AAF 272 KC. 126.18 MC.
TYNDALL AAF 203
PANAMA CITY
HUTCHINSON
SKYLAND
SANDPIPER
CARRABELLE
APALACHICOLA AAF
JACKSONVILLE 133
OLF'S TO NAAS. BARIN
+10 CANAL
+11 MAGNOLIA
+12 SILVERHILL
OLF'S TO NAAS. BRONSON
+13 KAISER
+14 WOLF
+15 FAIRCLOTH
OLF'S TO NAAS. ELLYSON
+16 BAGDAD
+17 SPENCER
OLF'S TO NAS. WHITING
+18 HOLLEY
+19 SANTA ROSA
+20 CHOCTAW
VARIATION: ←5°E TO 3°E→
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE MILES
MOBILE 131

JACKSONVILLE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALBANY Range (Ga) (Turner Aux. Field No. 1)	254(GY)(116.1)	298°,2.3	BMRLZ-DTV	(4); 116.1 (DTV stn lctd at Albany Arpt).
[Albany] (Ga)	4 SW;RR N	196	49h L5 S6	80,91 oct. Lgts prior req.
ALMA Range (Ga)	242 (AJ)(116.1)	144°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
Alma, Site 43,MM-AG (Ga)	2.5 W;hwy N	200	43 L3 S1	80 oct.P-line NW.
Ashburn (Ga)	1.5 SE;RR,hwy W	430	18 S1	80 oct.
(A) Babcock (Boykin,Ga) (A)	3.5 ENE	145	30h	CLOSED.
Bainbridge (Ga)	7 NNW;RR NE	141	50h S6	80, 91 oct.
→ Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
(A) Bemiss #3 (Valdosta,Ga)(A)	12 NE;hwy SE	198	50	TMP INACT.NO FACS.
(N) Bostwick OLF (Fla) (N)	1 NW;RR E	53	34	CLOSED
Bowser (Baxley, Ga)	2.5 S;hwy W;RR N	205	21 S1	80 oct.
Braden ton (Fla)	0.5 S;RR NE	20	24 S1	80 oct,Trees W,Poles SW
(N) Branan OLF (Jacksonville,Fla)	14.5 SW	73	40h L	B-2 lgts. (N)
BRUNSWICK H Fac. (Ga)	230(BS)(116.1)		MHTV	(4);116.1,122.1
Brunswick Arpk (Ga)	2.5 NNE;RR W	14	26 S2	80,91 oct Trees NE.
Bunnell (Fla)	3,3 E	34	50h	
Camilla (Ga)	1.4 NW	180	21 S1	80 oct. Data unver.
CECIL NAAS Tower (Fla)	201 (142,74)		CN	3105;142.74 (Flying hrs)
(N) Cecil NAAS (Jacksonville,Fla)	16 WSW;hwy NW	80	50h L5 S4	100 oct. Trees sur fld. (N
Civil Air Patrol (Waycross,Ga)	2.6 WSW;RR N	140	22 S6	80 oct.W blkd. Soft.
Commodore Decatur	2 WNW;hwy N	103	40h S1	80 oct.(Bainbridge,Ga.)
→ Conway Arpk (Starke,Fla.)	1. W;RR E	165	20 S1	80 oct.Obst sur fld.
Cook County (Adel, Ga)	1.3 W;hwy N,S	220	40h S6	80, 91 oct. SW blkd.
→ Craig (Jacksonville, Fla)	9 E;riv N	41	40h L5 S6	80,91 oct.
CROSS CITY(AAF)Range (Fla.)	269(FC)(116.1)	315°,2.7	SBMRAZ-DTV	(4); 116.1
(A) Cross City AAF (Fla) (A)	1 SE; RR SW	42	50h L4	CLOSED.
DALE MABRY Tower (Fla)	281 (118.3,126.18)		C	(4); 126.18,118.3,122.5
(P) [Dale Mabry] (Tallahassee,Fla)	3 W; RR S	70	53h L5 S6	80, 91 oct.
Darien (Ga)	0.8 SE;riv S	30	14 S1	Ltd 80 oct. Trees W.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) Daytona Beach (Fla)	2.8 SW;hwy S	34	41h L5 S6	80,91 oct. Ctc & rnwy lgts on req.
→ Faceville (Ga)	3.5 S			ABANDONED.
(P) Fernandina (Fla)	4 S;ocean E	15	52h S6	80 oct.
Fitzgerald (Ga)	2 SSW;RR W,E	365	24	
(N) Flemings Island OLF (N)	17.5 SSW	23	40h L	B-2 lgts.(Jacksonv'l,Fla)
Folkston Int,37,MM-AG (Ga)	0.7 WNW;RR NE	82	20 L3	P-line NE,SW,NW
GLYNCO NAF Range (Ga)	520 (NEA)	239°,0.3	MRLZ	3105,6390(V- 0730-16)
GLYNCO NAF Tower (Ga)	317 (142.74)		CN	3105.4495;142.74(0730-16)
(N) Glynco NAF (LTA)(Ga)(N)	6.4 N Brunswick	25	38h L1 S4	91,100 oct. Hwy SE.
(A) Harris Neck AAF (Ga)(A)	7 E S.Newport	22	54h	CLOSED.
→ Hart (Jacksonville, Fla)	6.5 W;RR S	20	40 S6	80,91 oct.Trees sur fld.
→ Herlong (Jacksonville, Fla)	10.5 WSW	87	40h S2	80,91,100 oct.on req.
Homerville Flight Strip (Ga)	2.5 NW;hwy NE	185	40h	
JACKSONVILLE Range (Fla)	344 (JX)(116.1)	269°,1.7	SBRAZ-DTV	(3); 116.1, 122.1
JACKSONVILLE Tower (Fla)	278 (126.18,118.5)		AC (ILS)	(4);122.5,126.18,118.5
(P) Jacksonville #1 (Fla)	6.3 N;RR W	52	71h L6 S6	80,91 oct. Hangar W.
JACKSONVILLE NAS Range (Fla)	365 (NIP)	89°,3.1	MRLZ	
JACKSONVILLE NAS Tower (Fla)	323 (126.18,142.74)		CN	(3); 126.18, 142.74
JACKSONVILLE NAS (Seaplane Tower) (Fla)	2870		CN	2870,3105 (avail.during working hrs. and on 1 hr's advance notice).
(N) Jacksonville NAS (Fla) (N)	7.2 S;riv E,N	20	60h L5 S6	91, 100 oct. NATS.
→ Jasper, 43, NO-JX (Fla)	3.5 SSE;RR NE	148	36 L3 S1	80 oct.Poles W.
→ Jesup (Ga)	2.3 NE;RR E	100	26	50'trees ends all strips
(P) Kay Larkin (Palatka, Fla)	3 NW;RR S	56	50h L5 S1	80,91 oct.
(A) Keystone (Keystone Heights, Fla) (A)	4.5 NNW;RR W	192	50h	CLOSED.
(N) Lake Butler OLF (Fla) (N)	2 SSW;RR NW	131	60h	CLOSED
Lake City (Fla)	3.7 ESE;RR S	201	60h S2	80 oct.
→ Lake Jackson (Tallahassee, Fla)	9 NNW;riv NW	250	26 S4	80 oct. Obst sur fld.
(A) Lake Park #2 (GA)(A)	1 SSW;hwy N	220	48	TMP INACT.NO FACS.
LEE OLF GCA (Fla)			GCA	Contact Navy Jacksonville Tower or Radio
(N) Lee OLF (Green Cove Springs, Fla) (N)	2.2 SE;riv N	22	51h	
→ Live Oak (Fla)				ABANDONED
MAYPORT CGAS (Fla)				DECOMMISSIONED.
(CG) Mayport CGAS (Fla) (CG)	0.6 NNE;riv N	19	43h	INACTIVE.
(N) Middleburg OLF (Fla) (N)	3 NNE;rds E,SE	34	32	CLOSED
(A) Montbrook AAF (Williston, Fla)	3.2 SSW;hwy E	70	70h	CLOSED. (A)
Monticello (Fla)	1.5 SW;hwy E	160	25	
(A) Moody (Valdosta,Ga) (A)	11.5 NNE;RR W	233	50h	TMP INACT,NO FACS.
(A) Moultrie (Ga) (A)	7 S;hwy NW	287	40h	CLOSED.
Nashville (Ga)	1.3 ENE;RR S	236	16 S6	80 oct.
Northside (Moultrie, Ga)	3.2 NNW;RR W	300	30 S4	80 oct. No sto.
→ Perry (Fla)	3.5 S;RR E	45	50h S4	80, 91 oct.
Pierson Memorial (Fla)	0.5 N;hwy ,RR W	70	21	
Quincy (Fla)	1.5 NE;hwy S	212	35 S6	80 oct. SE,WSW blkd.
(A) Rocky Ford #1 (Valdosta,Ga)	16 SW;hwy N	220	50h	CLOSED. (A)
→ St. Augustine (Fla)	4 NNW;hwy W	10	42h S6	80, 91 oct.
St. Marys (Ga)	1.7 NNW;riv S	24	50h	Cattle on fld.
ST. SIMONS ISLAND NAS Tower → (Ga)				DECOMMISSIONED
(N) St.Simons Island NAS (Ga)(N)	See Malcolm-McKinnon under "New Facilities" - name changed.			
Sky Haven(Albany,Ga)	1.5 SSW;hwy E	200	26 S4	80 oct.P-line WNW.
→ Sawyer (Palatka, Fla)	2.6 SW;riv 2 S	60	25 S4	80 oct.
(P) South Georgia College (Douglas, Ga)	1,3 S;RR W	225	60 S6	Pwrline E.
Spence (Moultrie, Ga)	5 SE;hwy W	292	50h S6	80, 91 oct.
Stengel (Gainesville, Fla)	4 WSW;RR SE	70	47 S6	80, 91 oct.
(N) Switzerland OLF (Fla) (N)	1.5 SE	31	40h	CLOSED
TALLAHASSEE Rng(Dale Mabry)	335 (TJ)(116.1)	85°,2.7	SBRAZ-DTV	(3); 116.1, 122.1 (Fla)
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct.No flood lgts.
Tennile (Fla.)	2.2 SSW;rd E	35	20	Trees SW
→ Terrell Co. (Dawson,Ga.)	2.5 SE;hwy N	353	26	S blkd.INACTIVE
(A) Thomasville AAF (Ga) (A)	8.5 ENE;hwy S	264	50h	CLOSED,
Thomasville com. (Ga)	1 SW;RR N	250	42 S2	80 oct. P-lines NW
Three "B" (Fitzgerald,Ga)	1.5 N	515	27 S6	80,91 oct.
Tifton Mun. (Ga)	2,3 SE;hwy W	343	50h L5 S6	80,91 oct. Lgts prior req
Tomoka (Daytona Beach, Fla)	See Ormond under "New Facilities" - name changed.			
(A) Turner (Albany, Ga) (A)	4 ENE;riv N.	215	76h	TMP INACT,NO FACS.
Vada (Ga)	1.5 WNW;hwy E	140	40h	CLOSED.
Valdosta (Ga)	3.7 S;RR W	246	56h L5 S1	80 oct. Lgts prior req.
(A) Waycross AAF (Ga) (A)	4 NW;hwy E	141	50h	CLOSED.
(N) Whitehouse OLF (Jacksonville, Fla) (N)	13 W; RR S	102	40h L	B-2 lgts.
→ Williams (Jacksonville, Fla)	3.3 WNW;RR E	25	18 S6	80 oct.No sto,P-line E.
Witt (Lake City, Fla)	2 WSW;hwy S	200	36 S4	80 oct. No sto.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

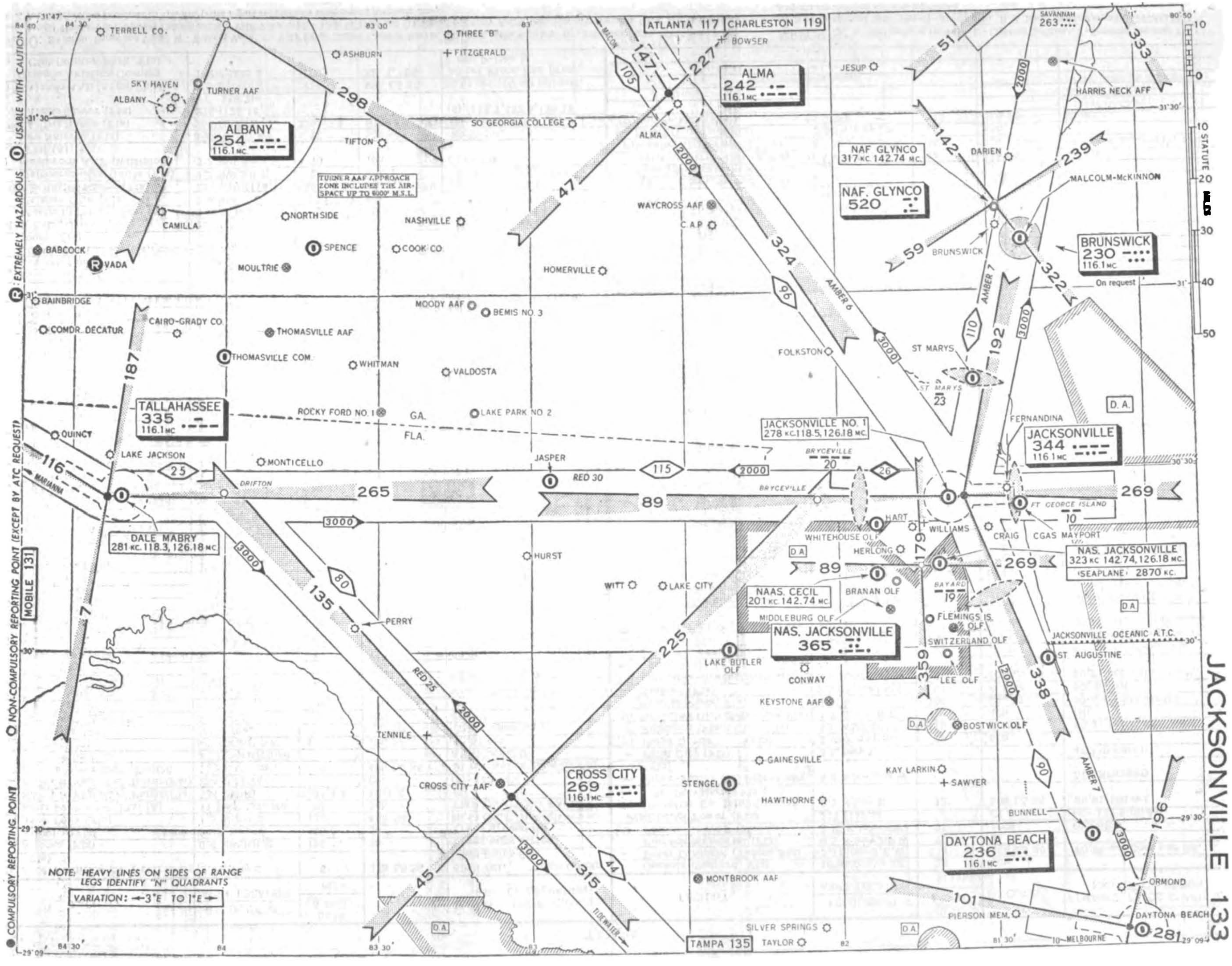
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
JACKSONVILLE	110.3	335	44°	IM-	MM- ·−·− (0.66)	OM- −− (4.60)
					MMK-209 −·−·	OMK-251 −··−
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Cairo-Grady Co. (Ga)	3.3 ENE	245	21	Trees SW, W. Rough
Camilla (Ga)	1.4 NW;hwy S	180	21 S1	80 oct.P-line SW,trees NE.
Whitman Flgt Strip (Ga)	2.4 NW;pond 0.5 E	180	19 S1	80 oct.
→ [Gainesville Mun] (Fla)	4.5 NE;RR W	155	50h L5 S4	80,91 oct.Lgts prior req.
Silver Spgs Aero Lodge(Fla)	0.3 W;RR 1 WSW	75	26 S1	80oct P-lines SE,S Lgt planes only.
Hurst(Live Oak,Fla)	2.5 SW;rd NW	105	26 S6	80 oct P-line N,NW
→ Malcolm-McKinnon (Brunswick Ga)	6 E	19	41h L5 S6	80,91 oct.Lgts on req.
→ Ormond (Fla.)	3.5 WNW;RR N	29	40h S4	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


ATLANTA 117 CHARLESTON 119
BOWSER
ALMA 242 116.1 MC
ALBANY 254 116.1 MC
TURNER AAF APPROACH ZONE INCLUDES THE AIR-SPACE UP TO 6000' M.S.L.
TALLAHASSEE 335 116.1 MC
JACKSONVILLE NO. 1 278 KC 118.5, 126.18 MC
JACKSONVILLE 344 116.1 MC
BRUNSWICK 230 116.1 MC
On request
NAF GLYNCO 317 KC 142.74 MC.
NAF. GLYNCO 520
DALE MABRY 281 KC 118.3, 126.18 MC
NAS. JACKSONVILLE 323 KC 142.74, 126.18 MC
SEAPLANE 2870 KC.
NAS. JACKSONVILLE 365
NAAS. CECIL 201 KC 142.74 MC
CROSS CITY 269 116.1 MC
DAYTONA BEACH 236 116.1 MC
TAMPA 135
SAVANNAH 263
TERRELL CO.
ASHBURN
THREE "B"
FITZGERALD
SKY HAVEN
ALBANY
TURNER AAF
SO GEORGIA COLLEGE
TIFTON
CAMILLA
NORTH SIDE
NASHVILLE
SPENCE
COOK CO.
MOULTRIE
HOMERVILLE
WAYCROSS AAF
C.A.P.
ALMA
JESUP
DARIEN
HARRIS NECK AFF
MALCOLM-McKINNON
BRUNSWICK
BABCOCK
VADA
BAINBRIDGE
COMDR. DECATUR
CAIRO-GRADY CO.
THOMASVILLE AAF
THOMASVILLE COM.
WHITMAN
VALDOSTA
MOODY AAF
BEMIS NO. 3
FOLKSTON
ST MARYS
QUINCY
LAKE JACKSON
MONTICELLO
ROCKY FORD NO. 1
LAKE PARK NO. 2
GA.
FLA.
JASPER
RED 30
DRIFTON
MARIANNA
BRYCEVILLE
FERNANDINA
FT GEORGE ISLAND
CRAIG
CGAS MAYPORT
WHITEHOUSE OLF
HERLONG
HART
WILLIAMS
BRANAN OLF
MIDDLEBURG OLF
FLEMINGS IS. OLF
SWITZERLAND OLF
JACKSONVILLE OCEANIC A.T.C.
ST AUGUSTINE
LAKE BUTLER OLF
CONWAY
LEE OLF
KEYSTONE AAF
BOSTWICK OLF
HURST
WITT
LAKE CITY
PERRY
TENNILE
CROSS CITY AAF
GAINESVILLE
STENGEL
HAWTHORNE
KAY LARKIN
SAWYER
BUNNELL
MONTBROOK AAF
SILVER SPRINGS
TAYLOR
PIERSON MEM.
ORMOND
DAYTONA BEACH
MELBOURNE
D.A.
AMBER 6
AMBER 7
RED 25
TIDEWATER
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ←3°E TO 1°E→
O USABLE WITH CAUTION
R EXTREMELY HAZARDOUS
O NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
● COMPULSORY REPORTING POINT
MOBILE 131
JACKSONVILLE 133
STATUTE
NAUTICAL

TAMPA

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS, FREQS GUARDED, HRS OF OPERATION
(P) Albert Whitted (St. Petersburg, Fla)	2.5 E;bay E	6	33h L3 S6	80,91 oct. Coast Gd.Stn adj Poles SW.
Altoona (Fla)	0.6 NW;RR E	155	25	Trees ends strips
Arcadia (Fla)	2 SE,hwy W	60	30	Trees around fld
Avon Park (Fla)	1.5 W;RR E	156	40h S4	80,91 oct. P-line S;trees sur
(A) Avon Park AAF (Fla) (A)	11 ENE;lake NW	65	54h	TMP INACT NO FACS. fld.
BANANA RIVER Navy Range(Fla)	524 (NPB)	106°,4.6	MRLZ	(3)
BANANA RIVER NAS Tower(Fla)	224 (142.74)		CN	(3); 142 74
(N) Banana River NAS (Fla)(N)	11 SE Cocoa	9	40h L5 S6	91 oct No bcn Lgts on req
Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
Bartow (Fla)	5.5 NE,RR NW	124	50h S4	80,91 oct
Bradenton (Fla)	0.5 S;RR E	20	24 S6	80 oct Obst sur fld.
(A) Brooksville AAF (Fla) (A)	7.5 SW;hwy E	70	70h	CLOSED.
Bunnell (Fla)	3.5 E;lk SW	34	50h	
Cannon Mills (Orlando,Fla)	3.8 E,arpt W	105	41 L S6	80 oct. Flood,obst lgts on req.
Carlstrom (Arcadia, Fla)	7 SSE;hwy N			ABANDONED Obst sur fld.
Cedar Keys (Fla)	1 W;bay S	6	25h	
Clearwater (Fla)	2.5 NE,hwy S	73	30 S6	80,91 oct. Trees W,NE,SW,
Cocoa (Fla)	1 N;RR E	20	26 L1 S1	80 oct,P-line E. NW
Conners (Okeechobee,Fla)	2.5 NW;RR S	34	50h S1	80 oct.
DAYTONA BEACH Range (Fla)	236(DB)(116 1)	101°,2 1	BMLZ-DTV	(4); 116 1, 122 1
(P) Daytona Beach (Fla)	2.8 SW;hwy S	34	41h L5 S6	80, 91 oct
Deland (Fla)	2.5 NNE;hwy S	80	60h L5 S1	80,91 oct.Trees NE.
Dorr (Arcadia, Fla)	11.5 E;hwy N			ABANDONED
DREW Tower (Fla)	278 (126.18, 118.5)		AC	(4); 126 18,118 5,122 5 No bndry lgts.
(P) [Drew] (Tampa, Fla)	5 W;bay SW	26	70h L5 S6	80,91,100 oct Rdo rec rqrd
(A) Dunnellon AAF (Fla) (A)	4.5 E;hwy S	66	50h	CLOSED.
Ellenton (Fla)	1.5 NNW;RR N	18	24 S6	80,91 oct.P-line NE
Fette Aircraft Service (Fla)	See Venice Mun (Fla.) under "New Facilities"-name changed.			
Fort Pierce, com. (Fla)	3 3 SSE,RR E	19	25 L3 S6	80 oct P-line W N,W,NW
(P) Fort Pierce, mun (Fla)	3.5 NW;hwy E	24	50h	blkd.
Frank D Waterman (Eustis, Fla)	0.9 SSW;lake NW	81	23 S2	80 oct Obst sur fld.
Gilbert (Winter Haven, Fla)	3.5 NNW;RR N	135	40h S6	80, 91 oct
Gray's (Leesburg, Fla)	5 N;RR,hwy W	130	27 S6	80 oct Orange groves W
Haines City (Fla)	1 NW	175	20 L1	
(P) Hendricks (Sebring, Fla)	See Sebring Air Terminal under "New Facilities"- name changed.			
Hidden Acres (Clarcona,Fla)	1.5 WNW;lake W	93	27 S5	80 oct E blkd.
(A) Hillsborough AAF (Tampa,Fla)	7 NNE	67	50h	CLOSED (A)
Hoequist (Orlando, Fla)	3.8 SW;hwy E	90	20 S4	80 oct.
Honeymoon Island (Dunedin)	2.5 W		30	Data unver (Fla)
Kerlin (Minneola, Fla)	0.5 NE	100	18 S2	80 oct
(P) Kissimmee (Fla)	2 W; RR N	82	50h L5 S4	80,91 oct.No bndry,flood.
Lakeland AAF (Fla)	See Drane under "New Facilities"- name changed.			
[Lakeland Mun #1] (Fla)	2.8 N;lake E	159	35h L5 S6	80,91 oct Ctc lgts on prior req till 2400
Lake Wales (Fla)	2.3 WSW;RR N	125	40h L3 S6	80, 91 oct
(A) Leesburg AAF (Fla) (A)	4 ENE;RR SE	67	50h	CLOSED.
Ludwig Sky Harbor (St.Petersburg, Fla)	See Sky Harbor Airport under "New Facilities" - name changed			
MAC DILL Tower (Fla)	227 (126.18)+		CA (ILS-W)	(3); 126 18- ◆ 00,20
(A) MacDill (Tampa, Fla) (A)	8 SSW;bay NE	9	100h L5 S6	73-100 oct JP-1 No sto
(N) Malabar OLF (Fla) (N)	7 WNW	27	40h	
MELBOURNE Range (Fla)	257 (OU)(116.1)	158°, 2.3	SBRAZ-DTV	(4); 116 1, 122 1
Melbourne-Eau Gallie (Fla)	2.2 NW;RR E	26	43h L5 S6	80,91 oct. Lgts on req.
(A) Montbrook AAF (Williston, Fla) (A)	3.2 SSW;hwy E	70	70h	CLOSED
New Smyrna (Fla)	3 NNW;RR W	12	50h S6	80,91 oct.
ORLANDO Range (Fla)	206(OR)(vhf)	220°,3.4	BMRLZ-DTV	(3); 116 1, 122 1
ORLANDO Tower (Fla)	278 (126.18, 118.7)+		C	(4); 118 7,122 5,126 18
(A) Orlando AAB (Arpt)(Fla)	2.5 E;lake S	115	55h L5 S6	80,91 oct;100 oct mil acft.
Orlando Aviation Country Club (Winter Park, Fla)	1 NW;lake S	100	21 L S6	80 oct.Flood lgts prior req.P-line N.
Osceola (Sanford, Fla)	10 SSE;lake SE	25	40h	
Peter O.Knight (Tampa,Fla)	3.7 S;bay S,E,W	8	40h L5 S6	80,91 oct.Obst sur fld.
Pierson Memorial (Fla)	0.5 N;hwy,RR W	70	21	
(A) Pinecastle AAF (Fla) (A)	3 ESE;lake NW	95	100h	CLOSED.
PINELLAS Tower (Fla)	317 (118.3)		CI	(4); 122.5 (8-24)
(P) [Penellas Co. International] (St. Ptersburg, Fla.)	9.5 N;bay E	12	50h L5 S6	80,91,100 oct
Piper-Fuller (St. Petersburg, Fla)	4.8 WNW;bay W			ABANDONED
Plant City (Fla)	3 E;hwy N			ABANDONED
(P) Punta Gorda (Fla)	5 ESE;hwy SW	25	50h	
Robinson (Plant City, Fla)	1.5 WSW;RR E	110	21 S6	80,91 oct E,ESE Blkd
(N) Roseland OLF (Sebastian,Fla)	1.7 W;riv N,E	23	40h	(N)
Ryan (Apopka, Fla)	1 N;hwy E	104	25 S4	80 oct. Obst sur fld.
Sanford (Fla)	2.5 SE;lake N,S	57	60h S6	80, 91 oct.
(P) [Sarasota-Bradenton] (Sarasota, Fla)	3.5 NNW;hwy W	24	50h L5 S6	80,91 oct. Lgts on req.
Sarasota, com. (Fla)	2.5 E;RR N,E	25	35 S6	80 oct. Obst sur fld.
Sebring (Fla)	4 SW;lake NE	200	20 L S6	80,91 oct,Lgts prior req.
Showalter Arpk (Winter Park) (Fla)	1 E;RR S	91	24 S4	80,91 oct. P-line SW.
Skyland (Lakeland, Fla)	1.9 WNW;RR S	170	21 S6	80 oct.No sto Trees S.
Skyport (Dunedin, Fla)	1.5 N;RR E	4	30 L2 S6	80 oct. No bcn, S Blkd.
TAMPA Range (Fla)(Peter O. Knight)	388(TM)(116.1)	55°, 2.7	SBRAZ-DTV	(4); 116.1, 122 1
(P) [Taylor] (Ocala,Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct. No flood lgts
(P) Titusville-Cocoa(Titusville)	6 S;RR E	35	50h L5 S6	80 oct. (Fla)
Titusville Int,20,MM-AG(Fla)	1.3 NW;RR E	28	26 L3	
Tomoka (Daytona Beach, Fla)	See Ormond under "New Facilities"- name changed.			
(N) Valkaria OLF (Melbourne,Fla) (N)	8 SSE;RR E	26	40h	
Venice Aux (Fla.)	0.5 SE;hwy W	20	36 S4	80 oct Trees ENE,SE.
VERO BEACH H Fac. (Fla)	359(VB)(116.1)		MHTV	(4);116.1,122.1
[Vero Beach] (Fla)	1 NW;RR E	24	75h L1 S1	91 oct,Airlines only exc in
Wauchula (Fla)	2.1 E;riv W	120	21	Trees N,E,NE emerg
Wimauma (Fla)	0.8 ESE;RR W	35	36	Cattle on fld Bldg W
(P) Witham (Stuart, Fla)	1.5 SE;RR SW			ABANDONED
(P) Zephyrhills (Fla)	1.5 ESE;RR W	92	50h L5 S6	80 oct.No bndry lgts.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

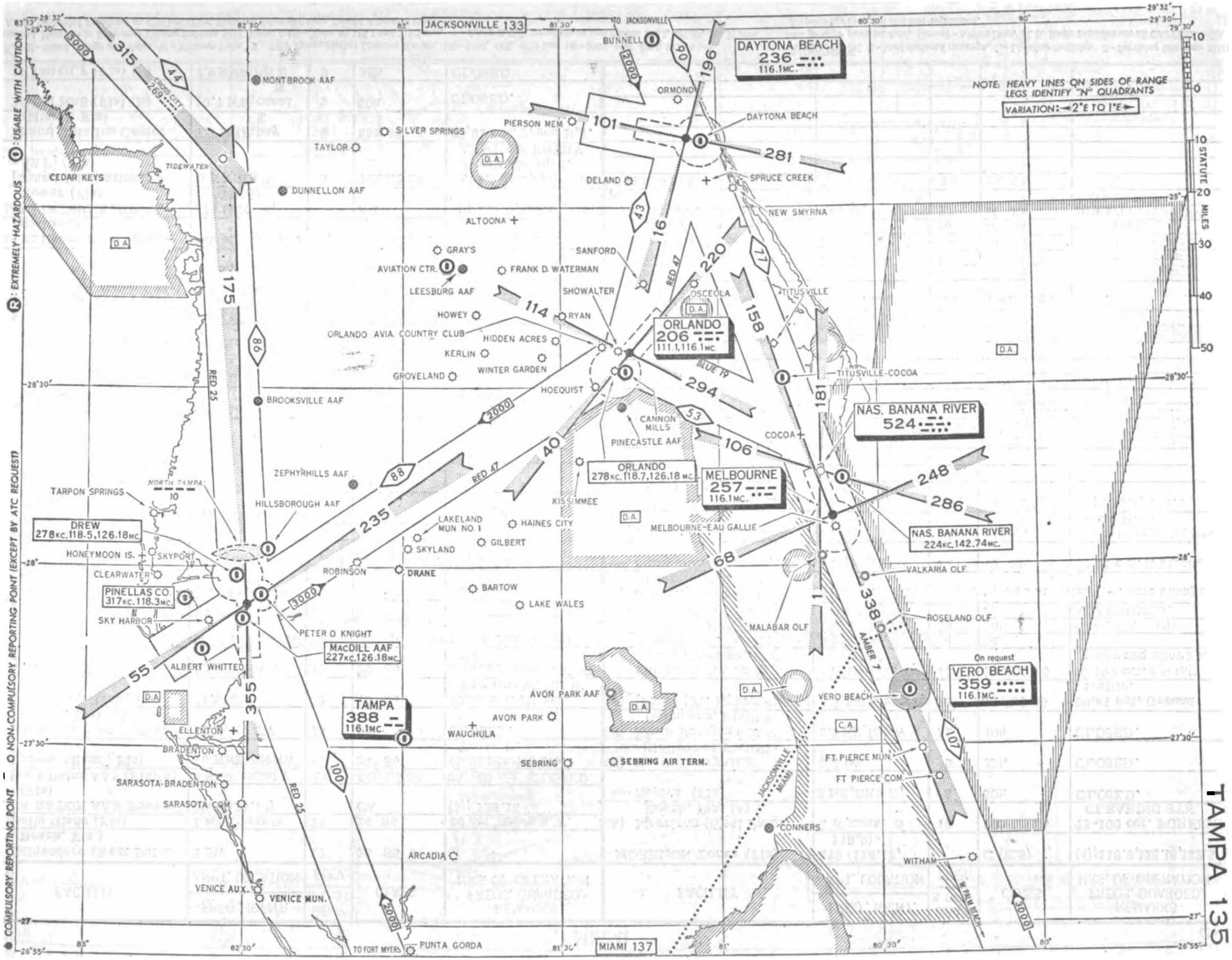
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MacDILL (A)	110.3	335	217°	IM- (0.07)	MM- ------ (1.09)	OM- — — (5.03)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK	OMK-

NEW FACILITIES

Ormond (Fla)	3.5 WNW;RR N	29	40h S4	80 oct.
Sky Harbor (St.Petersburg,Fla)	6 NE;bay E	8	28 S6	80 oct
Groveland(Fla)	1.8 SSE;lk NE	100	20 S3	80 oct
Winter Garden(Fla)	1.5 NW;lk NW	75	25 S2	80 oct
Tarpon Springs (Fla)	2 W;Gulf of Mex W	12	19 S1	80 oct Trees N,E,S
Spruce Creek(Samsula,Fla)	3.5 N	24	40h	
Howey(Howey in the Hills,Fla)	0.5 S	75	20	
Aviation Ctr(Leesburg,Fla)	1.5 N;lk E	80	15h S6	80 oct
(P)Sebring Air Terminal (Fla)	6.5 ESE,RR 2 SW	62	52h L5 S6	80,91 oct.Lgts prior req.
Drane (Lakeland,Fla)	5.5 SW;hwy 3 N	135	50h	
(P)Venice Mun (Fla.)	1.9 SSE	19	50h S6	80 oct.

RADIO: S - Simul Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


JACKSONVILLE 133
TO JACKSONVILLE
MIAMI 137
TO FORT MYERS
DAYTONA BEACH 236 116.1MC.
ORLANDO 206 111.1,116.1MC.
MELBOURNE 257 116.1MC.
NAS. BANANA RIVER 524
NAS. BANANA RIVER 224KC,142.74MC.
DREW 278KC,118.5,126.18MC
PINELLAS CO. 317KC,118.3MC.
MacDILL AAF 227KC,126.18MC.
TAMPA 388 116.1MC.
ORLANDO 278KC,118.7,126.18MC.
On request
VERO BEACH 359 116.1MC.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 1°E
BUNNELL
ORMOND
DAYTONA BEACH
PIERSON MEM
SILVER SPRINGS
TAYLOR
CEDAR KEYS
TIDEWATER
DUNNELLON AAF
DELAND
SPRUCE CREEK
NEW SMYRNA
ALTOONA
GRAY'S
AVIATION CTR.
LEESBURG AAF
FRANK D. WATERMAN
SANFORD
SHOWALTER
OSCEOLA
TITUSVILLE
HOWEY
RYAN
ORLANDO AVIA. COUNTRY CLUB
HIDDEN ACRES
KERLIN
WINTER GARDEN
GROVELAND
HOEQUIST
TITUSVILLE-COCOA
BROOKSVILLE AAF
CANNON MILLS
PINECASTLE AAF
COCOA
ZEPHYRHILLS AAF
TARPON SPRINGS
NORTH TAMPA
HILLSBOROUGH AAF
KISSIMMEE
LAKELAND MUN NO 1
HAINES CITY
GILBERT
SKYLAND
MELBOURNE-EAU GALLIE
HONEYMOON IS.
SKYPORT
CLEARWATER
ROBINSON
DRANE
BARTOW
LAKE WALES
VALKARIA OLF
SKY HARBOR
PETER O KNIGHT
MALABAR OLF
ROSELAND OLF
ALBERT WHITTED
AVON PARK AAF
VERO BEACH
ELLENTON
BRADENTON
AVON PARK
WAUCHULA
SEBRING
SEBRING AIR TERM.
FT. PIERCE MUN
FT PIERCE COM
SARASOTA-BRADENTON
SARASOTA COM
CONNERS
ARCADIA
WITHAM
VENICE AUX.
VENICE MUN.
PUNTA GORDA
D.A.
C.A.
RED 47
RED 25
AMBER 1
BLUE 19
JACKSONVILLE MIAMI
W PALM BEACH
3000
2000
315
269
175
98
88
235
40
100
55
355
16
43
77
158
181
294
106
248
286
338
68
107
220
114
196
90
101
281
53
44
10
29°32'
29°30'
29°
28°30'
28°
27°30'
27°
26°55'
83°
82°30'
82°
81°30'
81°
80°30'
80°
79°30'
10
0
10
20
30
40
50
STATUTE MILES
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

TAMPA 135

MIAMI

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Belevedere (West Palm Beach, Fla.)	2 SW	17	25 S5	
→ Belle Glade (Fla)	1 NNE;lake W	17	24 S6	80 oct.Trees S,W.
BOCA RATON AAF Tower (Fla)	396 (126.18)		CA	(3); 126.18
(A) Boca Raton AAF (Fla)(A)	2 NNW;canal E	14	64h L5 S6	73,100 oct. CLOSED.
→ Brown (Miami, Fla)	10 NNE;RR NW	10	20 S6	80,91 oct. No sto. Trees E.
(A) Buckingham AAF (Fort Myers, Fla) (A)	10 E;riv SW	25	54h	CLOSED.
Chapman (Miami, Fla)	11.5 SSW	3	40 S6	80,91 oct. No sto. Pwr line W. RR W
→ Clewiston (Fla)	1.6 SW;RR N	19	30 S6	80,91 oct.P-line N,NE, SW.
(N) Forman OLF (Fort Lauderdale, Fla)	See Ft. Lauderdale-Davie Arpt under "New Facilities" - name changed.			
→ Ft. Lauderdale (Fla)	6 NNW;RR SE	14	40h	
(N) Fort Lauderdale NAS (Fla) (N)	3.5 SSW;RR W	10	50h	CLOSED
FORT MYERS Range (Fla) (Page)	341(FM)(116.1)	38°,3.6	SBRAZ-DTV	(4); 116.1
(P) Homestead, mun. (Fla)	2 NE;rd N	8	28 S6	80 oct.
(A) Immokalee Airfield (Fla) (A)	1.3 ENE;RR W	20	50h	CLOSED
★ Immokalee Int, 13, TM-MM (Fla)	5.25 SE;RR SW	23	38 L2	
KEY WEST Range (Fla)	332(KW)(116.1)	70°,5.8	SBRAZ-DTV	(4); 116.1, 122.1
KEY WEST NAS Tower (Fla)	396 (142.74)		CN	(3); 142.74 (sunrise to sunset)
KEY WEST NAS (Seaplane) Tower (Fla) (NC)	272 (142.74)		CN	3105;142.74 (prior req.)
(N) Key West NAS (Fla)(N)	7 ENE	5	70h L5 S4	91,100 oct.No sto.
→ Lake Worth (Fla)	2 W;RR E	12	26 S6	80 oct.
MacArthur (Hollywood, Fla)	See Hollywood under "New Facilities"-name changed.			
Marathon (Fla)	1.8 ENE;hwy S	6	100h	CLOSED.
MASTER NAS Tower (Fla)	382 (142.74)		CN	(3); 142.74 (7-sunset)
(N) Master NAS (Miami,Fla)	8 NNW;RR W	9	74h L5	Pwr line SE. (N)
[Meacham] (Key West,Fla)	2.3 E;ocean S	4	41h L5 S1	80,91 oct.ARPT ENTRY Lgts prior req.No bcn
MIAMI Range (Fla) (International)	365(MM)(vhf)	270°,2.3	SBRAZ-DTV	(3); 116.1, 122.1
MIAMI INTERNATIONAL Tower (Fla)	278 (126.18, 118.5)		AC	(4); 122.5,126.18,118.5
(A) [Miami International - AAF] (Fla) →	5 NW;RR W	9	74h L5 S6	80,91,100 oct.JP-1FEE 2-way rdo rqrd. ARPT OF ENTRY.
→ Miami Aviation Center (Miami, Fla)	7.5 NNE;bay E	8	25h S6	80,91 oct.Trees N,S.
(N) Miami NAS (Fla) (N)	10.7 NW;canal N	9	60h	CLOSED.
(N) Miami OLF (Fla) (N)	7.9 NNW;RR E	9	36h	CLOSED

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
MORRISON Tower (Fla)	278 (126.18, 118.9)+		C (ILS)	(4);118.9,126.18,122.5
(A) Morrison (West Palm Beach, Fla) (A)	2 W;canal S	18	70h L5 S5	73-100 oct. FOREIGN CLEARING STN.
→ Naples (Fla)	2 NE;RRs E, W	8	50h	CLOSED.
(N) North Perry OLF (Hollywood,Fla)(N)	6.3 W	9	32h	CLOSED.
(N) North Pompano OLF (Pompano, Fla)(N)	1.5 NE;RR W	21	40h	CLOSED.
(P) [Page] (Ft. Myers,Fla)	4 S;RR E,hwy W	18	50h L5 S6	80,91 oct. Ground traffic.
Palm Beach County Park (Lantana, Fla)	2 WNW;lake N, E	13	35h L5 S6	80-100 oct. Fld lgts on prior req.after 2300
Punta Gorda, mun. (Fla)	3 SSE;hwy E	4	24	
(N) Richmond NAS (LTA)(Fla)	15 SW Miami	13	20h	CLOSED. (N)
→ Riddle (Clewiston,Fla)	7.6 W;hwy N			ABANDONED.
(P) South Dade County (Homestead, Fla)	See Homestead Arpt under "New Facilities" - name changed.			
→ Sunny South (Miami,Fla)	6 N;hwy E	12	40 S6	80,91 oct. E blocked.
Tamiami (Miami, Fla)	12 W	8	35h S6	80,91,100 oct.No sto. P-line N,W.
WEST PALM BEACH Range (Fla) (Morrison)	209 (DWZ) (116.1)	89°,2.4	BMRAZ-DTV	(3); 116.1, 122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MORRISON (A)	110.3	335	90°	IM -	MM- ·····(0.61)	OM- ——(4.5)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Ft. Lauderdale-Davie (Fla.)	6.5 WSW;hwy N	7	30h S4	80,91 oct.
West Prospect (Ft. Lauderdale,Fla.) →	See Ft. Lauderdale above - name changed.			
Homestead (Fla)	5 E	8	60h L5 S6	80,91 oct.Landing fee.
Hollywood Arpk Inc.(Fla.)	1 SW;RR W	12	28 S6	80,91 oct. Trees SE,NW.
South Fla.(Ft.Lauderdale)	7.5 SW;hwy E	10	45 S6	80,91 oct.P-line E. (Fla)
Tropicaire(Miami,Fla)	9 N	10	22 S4	80,91 oct.
Belvedere Co.Club(W.Palm Beach,Fla)	2 WSW;Army fld S	17	25 S6	80 oct.Trees SE,NW. Lgt acft only
(P)Riddle Fld (Fla.)	7.6 W;hwy N	19	25 S6	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) (R) EXTREMELY HAZARDOUS (O) USABLE WITH CAUTION

MIAMI 137

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Term.)	248(BU)(116.1)	SBML-DTV;93°, 3	(3); 116.1
BURBANK LFM	(- -)	LFM, 97°, 1.5	Burbank
CASTAIC FM	(- -. - -)	FM, 322°, 41	Los Angeles.
CHATSWORTH	341 (L)	FMHW;276°,10.5	(Cont.) Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMHW;77°,11.0	(Cont.) Los Angeles
EL TORO MCAS (Santa Ana)	3295(142.74)	CN(GCA)	3105,4495;126.18,142.74
GLENDALE	371 (S)	MHW;97°,7.3	(Cont.) Burbank
GRAND CENTRAL (Glendale)	201	CI	(4); 122.5 (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CI	(3); 126.18 (0730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERM. (Burbank)	278(126.18,118.3)	AC	(4); 122.5,126.18,118.3
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV	(3);116.1,122.1
Long Beach Airport	347(126.18,118.5	AC; 298°, 3.9	(4);122.5,118.5,126.18
LOS ALAMITOS NAS (Long Beach)	317(142.74)	CN	3105; 142.74 (8-1730)
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV ;244°,3.8	(3); 116.1,122.1
Los Angeles Airport	272(126.18,118.9)	AC(ILS-W)	(4); 126.18,118.9,122.5
LOS ANGELES	109.1 (LA)	BVAR; 88°, 2.0	
→ NEWHALL (Int.)	209(NH)(vhf)	SBMRL-DTV;317°,0.1	(4);116.1 122.1
ONTARIO AIRPORT	219(126.18,116.1)	CI	(4);126.18,116.1,122.5 (8-18)
SANTA ANA (Navy)	359(NTK)	BMRLZ	3105;142.74
Santa Ana NAS	6970(142.74)	CN; 250°, 0.6	3105,3195;142.74 (Fly.hrs.& req)
SANTA MONICA AIRPORT	353(126.18)	CI	(3); 126.18 (8-18)
TERMINAL ISLAND NAS (San Pedro)	338 (142,74)	CN	(3); 142.74 (flying hours)
VAN NUYS METROPOLITAN AIRPORT	219 (126.18)	CI	(4); 126.18 (730-1530,except. Sat. & Sun) →

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOS ANGELES,	109.9	333.8	247°	IM-	MM- •—•—• (0.64)	OM- — — (6.0)
					MMK-	OMK-

S-Simpl. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.89, 140.58 mcs.

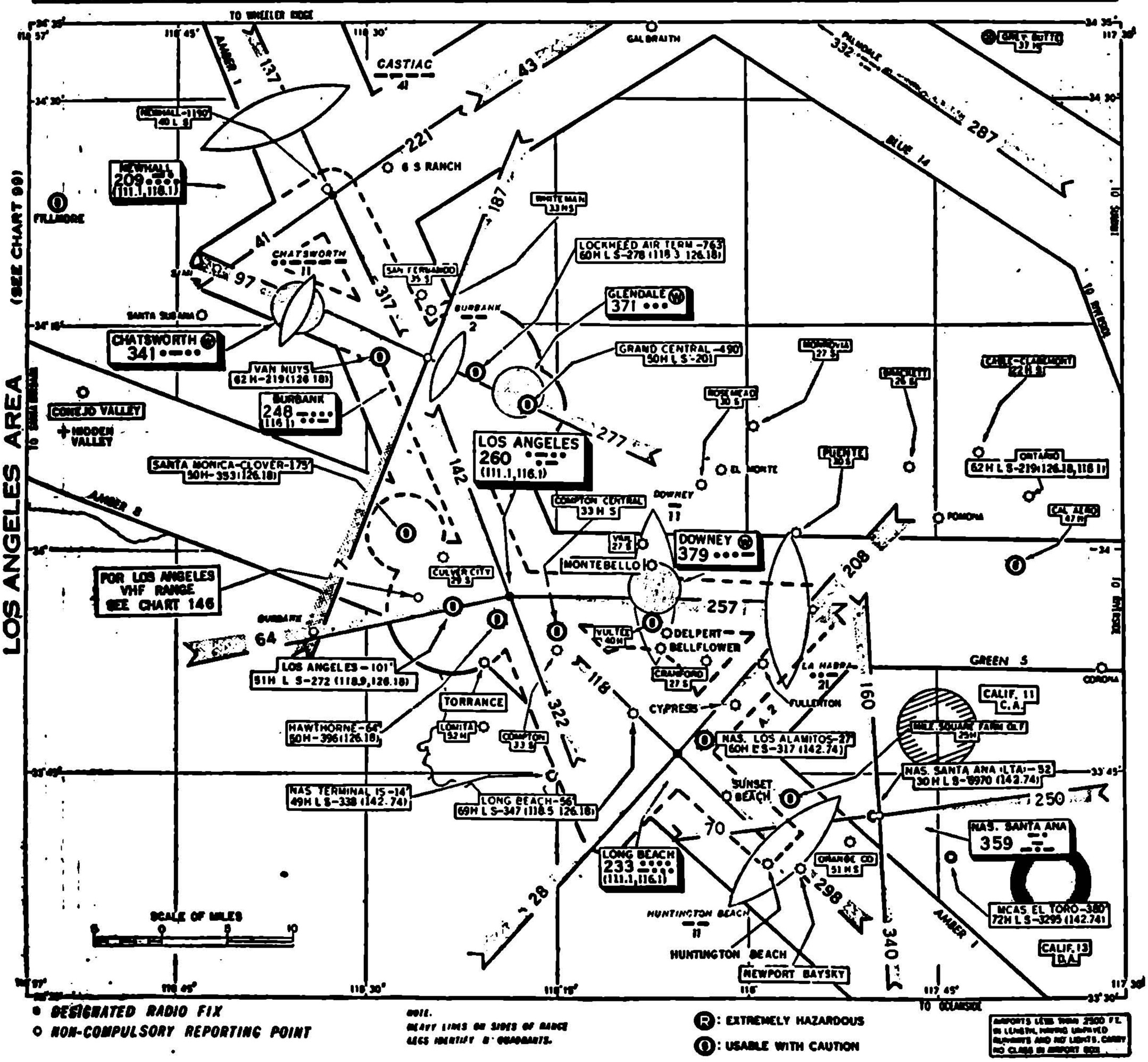
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;dyke N	80	21 S4	80 oct. No sto.
Brackett (Pomona)	3 NW;hwys N,E	1010	25 S6	80 oct. Hill V
→ Cable-Claremont	1.8 ENE;RR E	1400	22h S6	80,91 oct. Brush NNE.
Cal Aero (Chino)	4.5 SE	625	47h L	Restricted to W.A.A. Bndry lgts prior req.
Compton	1.5 W;hwy E,W	90	33 S6	80 oct. Poles E, N. Hwy N.
Compton Central (Compton)	2 NW;RR W	100	33h L S6	80,91 oct. Rdo & instr rprs. Rnwy data unver.
Conejo Valley (Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct. No sto. P-lines NE.
Corona	2.3 ESE;RR N	645	22 S6	80,91 oct, P-lines E,SE,W,NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City (Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.

h-hard surfaced runways. R-radio facilities L-lighting facilities S-servicing. (See page XIII) NC-(not charted) → NEW OR REVISED DATA.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delpert Airpark (Norwalk)	1.5 W;hwy N	90	21 S6	80 oct. No sto. Pole.
El Monte	1 NNE;rd E	300	20 S6	73,80,91 oct. Trees SW. Bldgs NE.
(N) El Toro MCAS (Santa Ana)(N)	9 SE,RR,hwy W	380	72h R1 L5 S4	100 oct.
Fullerton	3 W;RR N	95	18 L1 S6	80 oct. Port rnwy lgts.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73, 80 oct.
Gardena Valley (Gardena)	2 NW;RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW	490	50h R1 L5 S6	73,83,91,100 oct. Bet RR & river.
(A) Grey Butte (Victorville)(A)	22 W	3050	37h	Mtns S. CLOSED
(N) Haster Farm OLF (Gardengrove) (N) (NC)	2 SW	65	14h	
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
(N) Horse Farm OLF (Los Alamitos) (N) (NC)	2 E	54	17h	
Hughes (Culver City) (NC)	3.6 SSW;RR N	15	91	Pole line NE. Closed to Public.
Huntington Beach	1.8 SE;hwy NW	4	19 S1	80 oct.
(NG)(N) LOCKHEED AIR TERM. (Burbank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91 oct;100 oct Army. No sto. Two-way radio required.
(P) Lomita Landing Strip	1 W;hwy S	95	52h	Mtns S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	100 oct. No sto.
(N) Los Alamitos NAS (Long Beach)	6 E; hwy N	27	60h R1 L5 S4	80,100 oct. NATS
(P) Los Angeles (N)	9.5 SW;RR E	101	60h R3 L6 S6	91,100 oct. Rdo rqrd.. Rnwy data unver.
(N) Mile Sq. Farm OLF (Santa Ana)	3.5 SE;riv E	44	25h L	Pwr lines S.
Monrovia (N)	0.5 SE;RR S	500	26 S6	80,91 oct. Tree N,S.
Montebello	2 SSW;RR S	180	34 S6	80, 91 oct.
* Newhall Int, 3A, LA-SF	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Newport Bay Sky Harb. (Costa Mesa)	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.
Norco	2.5 N;RR S	590	14 S1	80 oct.
(P) Ontario	2.5 E;bet RRs	952	62h R1 L5 S4	80,91,100 oct.
(P) Orange Co. (Santa Ana)	5 S;at fork rds	53	48h L5 S6	80,91 oct. Fldlgts on req.
(N) Palisades OLF (N)(NC)	2 E Costa Mesa	107	25	Bay N, W.
Pomona	1.8 SSE;rd W	775	20 S6	80 oct. Trees E, hill W.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. Poles NE, house SW.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	52	30h R2 L4 S4	91,100 oct. No sto.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No bcn. Lgts prior req.
Santa Susana	0.5 S;RR N	955	18 S1	30 oct. Hills ENE, P-lines WSW.
Sky Ranch (Puente)	See Puente Sky Ranch under "New Airports" -name changed.			
(N) Terminal Isl. NAS (San Pedro)(N)	2 ENE	14	49h	INACTIVE
Torrance Community (Los Angeles)	11.5 SSW;hwy W	82	21h S6	80 oct. No sto. Poles W; pwr line E.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct. Port rnwy lgts. Rdo rprs.
(NG) Van Nuys Metropolitan	2.8 NW;RR N	800	62h R1	Ltd 100 oct.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW. RST'D.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct. Pole line NNW, NE, SW.
NEW FACILITIES				
→ Sunset Beach (Calif)	2.6 E;ocean SW	25	19 S4	80 oct. Fence ENE.
→ 6 S Ranch Arpk (Solemint, Calif)	1 WNW;hwy N	1350	26 S6	80,91 oct. P-line E,W.
→ Fillmore (Calif)	1 S;riv N	435	45	Tree W.
→ Cypress (Westminster, Calif)	1.3 ESE;RR SW	60	22 S1	80 oct. Pwr line NE.
→ Puente Sky Ranch (Calif)	1.3 E;RR S	402	30 S4	80 oct. Trees E, p-line W.
→ Hidden Valley (Camarillo, Calif)	10 SE;lake E	920	20	McMahans Oaklane Ranch. Data unver.



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY 8° QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SIZE

DETROIT – CLEVELAND – NORFOLK

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Ann Arbor (Mich)	4 S	835	32 L3 S6	80 oct. Lgts prior req.
Bedford (Ohio)	2 NE;hwy W	1060	17 S2	80 oct. P-line N,SE.
Berz (Birmingham,Mich)	1.5 E;RR SW	700	32 S2	80,91 oct. N blkd.
Big Beaver (Mich)	0.8 E;hwy W	650	21 S6	80 oct. Pwr line N.
Brooklyn (Cleveland,Ohio)	5.5 SW;RR S	780	26 S2	73 oct.
Burns (Detroit, Mich)	8.5 WSW;RR N	625	19 S6	80 oct.SW blkd.P-line N
Chagrin Falls (Ohio)	3 E;hwy SW	1220	23 S4	80 oct.P-line N.
Chagrin Harbor (Willoughby, Ohio)	2.5 NNW	620	22 S6	80 oct.P-line W.
Chardon (Ohio)	2.8 S	1230	22 S4	80 oct.P-lines sur fld.
➔CLEVELAND Range (Ohio)	344(CV)(116.1)	100°,0.7	SBRAZ-DTXV (4);116.1	Use strips.
CLEVELAND Arpt. Range	278		MLW	(Ohio)
CLEVELAND Tower (Ohio)	278(126.18,118.3)		AC (ILS-W)	(4);118.3,126.18,122.5
(A) [Cleveland] (Ohio)	8.5 SW;riv W	789	60h L6 S6	73,80,91,100 oct.JP-1. FEE.ARPT OF ENTRY
Cumberland(Portsmouth)	8 S	15	28 S4	80 oct. (Va)
DETROIT H Fac. (Mich)	201 (D)	329°,2.2	MHW	(Cont.) Detroit
DETROIT CITY Tower [Detroit City] (Mich)	278 (118.5)		C	(4); 122.5
	5.5 NE;RR S	625	53h L4 S6	80,91 oct.Fee Rdo rec rqrd.ARPT OF ENTRY P-line N. Tank W
DETROIT NAS Tower(Mich)	269 (142.74)		CN	(3);142.74 (8-17)
➔(N) Detroit NAS (Mich)(N)	See Grosse Ile under "New Facilities" - name changed.			
ELYRIA H Fac. (Ohio)	219 (S)	280°,10.9	FMHW	(Cont.) Cleveland
Elyria (Ohio)	1.6 SSW;bet RRs	745	27 S4	80 oct.Poles SSE,S.
Euclid Ave.(Willoughby Ohio)	1.5 WSW;RR N	640	26 S6	80,91 oct.P-line S,hi-line N.
(N) Fentress NAAS (Va)(N)	2.5 ESE;hwy N	16	25h	CLOSED.
Ford (Detroit, Mich)	8.8 SW;RR N	600	37h	PRIVATE.
(P) Franklin (Va)	3 NE;RR S	38	41h L5 S6	80,91 oct.Trees sur fld.
Garner's (Windsor,Va)	4.8 NNE,hwy W	80	25 S2	80 oct.
Glen Rock (Norfolk,Va)	4.5 E;hwy W	18	24 S6	80,91 oct,Trees SW.
Gridley (Ypsilanti,Mich)	4.4 WSW;hwy E	840	24 S5	80 oct.Pole E;woods N
Hance (Wyandotte,Mich)	2.5 W;hwy N,E	590	28 S6	80 oct. N blkd.
Hartselle Air Terminal (Wayne, Mich)	3.5 NW;RR E	675	18 S6	80 oct.P-line E;trees ENE,W,WSW,WNW.
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW.
Krist-Port (Farmington, Mich)	3.8 N;jct rds	860	27 S6	80 oct.Obsts sur fld.
LANGLEY Army Range (Va)	221(DLY)(116.1)	102°,3.8	SBMRAPZ-DTV	(3); 116.1
LANGLEY Tower (Va)	278 (126.18, 116.1)+		CA (GCA)	(4); 126.18
(A) Langley Field (Va) (A)	3 N Hampton	10	70h L5 S6	73,91,100 oct. JP-1.
Lorain City (Lorain,Ohio)	2.8 W;RR N	610	31 S4	80 oct.P-line NE,SE.
Lorain Skyport (Lorain, Ohio)	2.5 W;lk N	610	29 S4	80,91 oct.P-line S,SE. SW corner unusable.
Lost Nation (Willoughby, Ohio)	3 N;lk NW	626	40 S6	80,91 Rnwy data unv. oct.Obsts sur fld. Rnwy data unver.
NEW FACILITIES				
➔(N)Grosse Ile NAS (Detroit, Mich)(N)	17 SSW	594	47h L5 S6	91,100 oct.P-line E.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED HRS. OF OPERATION
McEnnan (Ypsilanti,Mich)	2.7 SSW;riv NE	738	23 S4	80 oct. P-line E,Trees NW.
McKinley (Fraser,Mich)	1.3 NW;RR E	620	27	P-line E, NE.
➔ Mettetal (Plymouth,Mich)	1.5 SSE;RR E	700	25 S6	73,80 oct. P-line N,NE,SW,W
Mid City (Hudson,Ohio)	2 S;RR S	1080	31 S4	80 oct. Poles W,NW
Milan (Mich)	3.8 SW;RR SE	705	23 S2	80 oct. P-line N.
Monogram	2.8 W;riv W	21	45	CLOSED(Drivers,Va)
Nan-Bar (Flat Rock,Mich)	0.7 ENE;RR N	590	28 S6	80 oct.Smudge pots prior req.Data unver.
Nat'l Fly.Svc.(Detroit,Mich)	11.5 WSW;RR N	635	29 S4	80 oct.Poles NE,NW.
(N) Newport OLF (Mich) (N)	3 W;hwy E	608	20h	
NORFOLK Range (Va)	239(NW)(116.1)	44°,3.3	SBMRLZ-DTV	(3); 116.1
NORFOLK Tower (Va)	269 (126.18, 118.3)		AC	(4); 122.5,126.18, 118.3
[Norfolk] (Va)	5 ENE;RR SE	22	50h L5 S4	80, 91 oct.
NORFOLK Navy Range (Va)	356 (NGU)	276°,2.9	BMRLZ	(East Field)
(N) Norfolk NAS (Chambers)	7 N;rd N	13	26h	CLSD.Use E.Fld.(N)
NORFOLK NAS Tower (East)	323 (142.74)		CN(GCA)	(3); 142.74
(N) Norfolk NAS (East)(Va)(N)	6 N;RR SW	15	43h L5 S6	91,100 oct NATS.
NORFOLK NAS Tower (Seapl)	2870		CN	2870 (7-17 and on req)
OCEANA NAAS Tower (Va)	3295 (142.74)		CN	3105,4495;142.74 (745-1830)
(N) Oceana NAAS (Va) (N)	1 SW;RR N	20	60h L5 S4	91,100 oct.No bcn.
Ortner (Wakeman,Ohio)	4 NNE;RR S		26 S1	73 oct. Data unver.
Peninsula (Hampton,Va)	2 WSW;RR N	12	26 S4	80 oct.
Pungo (Va)	0.8 NE	15	25h	
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1
Roseville (Mich)	0.5 S;hwy W	610	31 S6	80 oct.SE,SW blkd.
Sky Haven (Northfld,Ohio)	2.5 SSE;RR NE	1040	25 S4	73,80 oct.Pwr line W,S
Solon (Ohio)	1.1 SSE;RR NE	1034	24 S6	73,80 oct.P-line W,SE
➔ South Norfolk (Norfolk,Va)	3.7 S;hwy NW	20	25 S2	80 oct.P-line W.
Stinson (Wayne, Mich)	1.4 SW;RR E	664	25h	PRIV. P-line NNE
Tecumseh (Mich)	1.8 NNE;riv SW	815	26 S6	80 oct.P-lines S.W blkd
Triangle (Plymouth,Mich)	1.5 ESE lk N	700	26 S4	80 oct. P-line N,E,S. W blkd.
* Vermilion Int,28,CG-LG	3.7 SW,RR N,S	610	24 L3	N,SE,S,NW blkd. (Ohio)
Virginia Beach (Va)	6 W;RR N	15	43 S2	80,91 oct.P-line N. Hwy N
Ward (Bedford, Ohio)	1.5 S;RR E	980	20 S6	80 oct.
Waverly (Va)	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush
Warren (Mich)	1.6 WNW;RR E	625	23 S6	73,80 oct. sur fld
Washtenaw (Dexter, Mich)	3 SSE,hwy S	867	26 S4	80 oct. P-lines,trees all approaches.
(NG) Wayne,Co(Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct.1-ech.maint. NG.ARPT OF ENTRY
Willoughby (Ohio)	1.2 E;RR NW	700	25 S6	80,91 oct. P-line W,S
WILLOW RUN Tower (Mich)	332 (118.7)		C (ILS-W)	(4); 118.7
(P) [Willow Run] (Ypsilanti)	4.5 W;riv S	715	74h L5 S1	RR N.(Mich) FEE
WINDSOR Range (Ont.,Can)	353 (QG)	243°,3.3	SBRAZ-T	3105,6210,3117.5.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CLEVELAND	109.9		54°	MM-	OM- ▬▬ (4.75)
				MMK-	OMK-
WILLOW RUN			50°	MM-	OM-
				MMK- 341 ▬ (0.65)	OMK- 359 •▬• (5.80)

NEW FACILITIES					
(P) Suffolk(Va.)	3.8 SSW;RR E	66	50h		
➔ Richmond (Gregory, Mich)	1.7 SE; lk E	920	23 S2	80 oct. Trees N,ESE.	
➔ Knapp (New Hudson,Mich)	0.5 SW;RR SE	947	25 S1	80 oct.N blkd.	

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
➔ New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

CHART 141

DETROIT AREA

CLEVELAND AREA

NORFOLK AREA

SCALE OF MILES 5 0 5 10

RICHMOND
LANSING 206
RED 21
EVEN
54
WASHTENAW
ANN ARBOR
SALINE 20
McENNAN
12
15
GRIDLEY
325
81
TO BURR OAK
ROMULUS 230 116.1 MC.
GREEN 2
HIGHLAND
3000
164
METTETAL
HARTSELL
WILLOW RUN 332 KC. 118.7 MC.
TOLEDO 239
WIXOM 20
KRIST-PORT
31
EVEN
NATIONAL FLY. SVC.
BURNS
TRIANGLE
15
FORD
STINSON
WAYNE CO.
ECORSE
SELFRIDGE AAF
388
10
266
HANCE
FLAT ROCK
NAN-BAR
64
327
TO OXFORD
BERZ
BIG BEAVER
WARREN
McKINLEY
JOY
ROSEVILLE
DETROIT CITY 278KC 118.5MC
43
3000
149
29
RED 1
2000
DETROIT W 338
242
TO MITCHELL BAY
WINDSOR 353
23
82
GROSSE ILE NAS 269 KC. 142.74 MC.
55
TO CLEVELAND
322
RED 20
(SEE CHART 33)
RED 12
74
MILAN
13
TECUMSEH
CA
DUNDEE
17
R21
NEWPORT OLF
TO SANDUSKY

TO WINDSOR
RED 20 ODD
145
CLEVELAND V HF RANGE
LOST NATION 40 S
CHAGRIN HARBOR
EUCLID AVE 26 S
BLUE 11
50
WILLOUGHBY
CHARDON
69
BLUE 15
TO ERIE
TO KINGSVILLE
LORAIN 31 S
LORAIN SKYPORT
GREEN 3
40
AVON LAKE 8
CLEVELAND 344 (116.11)
BROOKLYN 26 S
BRECKSVILLE
BEDFORD
AMBER 6
CHAGRIN FALLS
VERMILION 26
ELYRIA
11
100
ELYRIA W 219
ODD
VERMILION 24 L
ORTNER
ELYRIA 27 S
CLEVELAND-785'
60H L S-278 (118.3, 126.18+)
278 KC LOW POWERED RANGE ON REQUEST
NORTH ROYALTON
11
325
70
WELLINGTON
TO COLUMBUS
TO AKRON
WARD 39
MID CITY 31 S
SKY HAVEN 25 S
33
29
ARKON 362
PARKMAN
280
SOLON
TO YOUNGSTOWN
(SEE CHART 49)

SCALE OF MILES 5 0 5 10
RICHMOND 260
GREEN 6
LANGLEY AAF 221 (116.1)
2000
BACONS CASTLE
172
LANGLEY AAF-10 70H L S-278 (126.18+)
D.A.
186
102
BUCKROE BEACH
282
CAPE CHARLES
134
314
74
ODD
PENINSULA 26 S
NAS. NORFOLK 26 H
224
NAS. NORFOLK 356
WAVERLY
GARNER 25 S
96
HAMPTON ROADS
WHITEHURST
276
ECLIPSE 16
MONOGRAM
ROOSEVELT
NORVIEW
NORFOLK 239 (116.1)
NORFOLK-22' 50HLS 269(118.3, 126.18+)
352
FRANKLIN 30H
PORTSMOUTH
THALIA
PEANUT CITY
NAS. NORFOLK (EAST)-15' 43H L S-323 (142.74) (SEAPLANE)-2870
DEEP CREEK 10
44
314
VIRGINIA BEACH
NAAS. OCEANA-20' 60H L S-3295 (142.74)
SO. NORFOLK
6
SUFFOLK 50H
PUNGO 25H
NAAS. FENTRESS-16' 25H
CUMBERLAND

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS INDICATE "R" BOUNDARIES

R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ace (Anderson, Ind)	3.5 S;RR E	875	33 L S6	80 oct.Port lgts prior req.
Anderson (Ind)	3.5 SE;RR W	875	27 S6	80 oct. P-line NE.
(P) Aurora Flight Strip (Ore)	1.6 NNW;hwy W	196	41h	
Apex Arpk (Silverdale, Wash)	1.5 WSW	550	16	Data unver.
Bargersville (Ind)	1 NNE;RR W	701	27 S2	80 oct.Trees N.P-line E,W
→ Barrys Sky Harbor (Tacoma)	2.3 ENE;riv SW	4	21 S6	80 oct.P-line E (Wash)
Beck (Jolietville,Ind)	2.2 SSE;hwy2W	830	18 S3	80 oct. P-line WNW.
Boeing-Renton (Renton,Wash)	0.9 NW;lake N	32	54h L5	Lgts prior req.
BOEING Tower (Seattle, Wash)	278 (126.18, 118.3)		AC	(4); 118.3, 126.18, 140.1, 122.5
(P) [Boeing](Seattle, Wash)	6 S;riv SW	15	75h L5 S6	80-100 oct.No sto.ARPT OF ENTRY.
Brightwood (Indianapolis,Ind)	3.7 NE;rd S		44 S4	80 oct. Data unver.
Brownsburg (Ind)	1.5 SSE;RR N	650	26 S2	80 oct. P-line S.
Canby (Ore)	0.5 NNW	150	17 S1	80 oct. Pwrline NE,SW.
City View Arpk (Tacoma,Wash)	4.5 NE	380	18	P-line SW.
Crawfordsville (Ind)	4.5 SSW	850	38 S4	80 oct. Hwys E, W.
→ Delaware (Yorktown,Ind)	1 NE;RR S	950	27 S4	80 oct.P-line N,W.Use strips.
Dwyer Landing Fld.(Portland, Ore)	7 SE;RR NW	200	16	Poles SW.
Enumclaw (Wash)	1.5 WSW;hwy E	740	20 S2	Ltd 80 oct. Pwrline E.
Farmers (Greenfield, Ind)	9 NW		26 S2	73 oct. Data unver.
→ Forrest Grove (Spanaway,Wash)	1.8 E;RR E	340	28 S6	80 oct.P-line S.Ctn.
Franklin Flying Fld. (Ind)	4 S	745	22 S6	80 oct.
G & C (Anderson, Ind)	1 N	875	30	Data unver.
Green Acres (Mulino, Ore)	1.9 SSW;RR W	269	18	SE blkd.
Greencastle (Ind)	2.5 ESE;RR N	780	20 S6	30 oct.P-line SE,S.Soft.
(P) Greenfield Inc. (Ind)	1.9 ENE;RR S	910	30 S6	80 oct. P-line S.
Groves (Camas, Wash)	2.8 N;hwy E	350	16 S1	Ltd 80 oct. Lake SW.
Himes (Whitesville,Ind)	0.8 E;RR SW	870	17 S1	80 oct.P-line NNE,NW
Hoosier-Park (Ind)	4 WNW;hwy N	740	26 S6	80,91 oct.P-line NE.
Howell Brothers (Rushville,Ind)	2 SE;hwy SW	985	13 S4	91 oct. Bldgs SW.
Huffman Air Svc. (Selma, Ind)	0.8 SE;RR N	1000	19 S6	80 oct. Obsts sur fld.
→ INDIANAPOLIS Range (Ind)	266(ID)(116.1)	75°,3.2	SBRAZ-DTV	(3); 116.1
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7
(P) [Indianapolis] (Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct. Exper lgtg.
Kent (Wash)	1.5 SSW;riv N	30	30 S6	80 oct.
Kitsap Co. (Bremerton,Wash)	8 SW;hwy NW	482	50h L5 S6	80,91 oct.Lgts on req.No sto
Lake Arpk (Bellevue, Wash)	3.5 SSE;	35	21h S2	Data unver. On lake shore
Lakewood (Tacoma, Wash)	7.5 SSW;RR E	243	22 S1	80 oct.Trees ENE,WSW.
Lapel (Ind)	1 NE	865	26 S4	80 oct.Obst sur fld.
Lebanon (Ind)	1 S;RR N	925	16 S4	80 oct. Trees SW.
Lizton (Ind)	1 SE		25	Data unver.
Loy (Plainfield, Ind)	0.5 S;RR W	873	20 S6	80 oct. E,SE blkd.
Martinsville (Ind)	2 W		10	Data unver.
McCHORD Army Range (Tacoma)	272 (DTA)	26°, 1.7	BMRL	
McCHORD Tower (Wash)	396 (126.18)+		CA (ILS-W) ◆ :45.05	(3); 116.1, 126.18
(A) McChord (Tacoma,Wash)(A)	7 SSW;lake SE	285	59h L5 S6	73.91,100 oct.JP-1.FOREIGN CLEARING STN.
Mecca (Danville, Ind)	0.8 WSW;hwy N	750	18 S2	80 oct. P-line E,SSE,NNW
Mercer (Seattle, Wash)	See Bellevue Airfield under "New Facilities" - name changed			
Milroy Int.5,CC-CG (Ind)	5.5 ESE	1034	27 L3	
Moore (Zionsville, Ind)	12 NW		14 S1	80 oct. Data unver.
New Castle Western (New Castle, Ind)	2.3 NW;hwy E	1080	24 S2	80 oct. P-line N,SE. NW blkd.
New Castle (Ind)	3.2 E;hwy N	1040	29 S6	80,91 oct.N,NE blkd.
Noblesville (Ind)	1 SE;RR N	801	24 S1	80 oct. Pwrline ESE.
Northern Tacoma (Puyallup)	1.3 N;RR N,S	20	19 L S6	(Wash) Lgts prior req.
Owen Pathfinder(Camby,Ind)	2.3 S	792	32 S1	80 oct.P-line SSE,SW.Use strips
PORTLAND Range (Ore)	332(PD)(vhf)	171°,3.1	SBRAZ-DTV	(3); 116.1, 122.1
PORTLAND Tower (Ore)	278(126.18,118.3)+		AC (ILS)	(4);142.74,122.5,118.3,126.18

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(NG) [Portland] (Ore)	5 NNE;riv N	19	55h L5 S2	91,100 oct.Lgts prior req.
(NG) Portland Birdsdale (Ore)	8.5 E;RR N	220	23 S6	80, 91 oct.
→ Puyallup (Wash)	6 S;hwy W	520	42 S6	80,91 oct.
R.C. Sugg (Orchards, Wash)	See Evergreen Fld (Orchards) under "New Facilities" - name changed.			
Reese Fly. Serv. (Selma,Ind.)	3.5 SW;riv W	975	20 S2	80 oct. P-line E,NE.
R.O.K. (Gresham, Ore)	2.2 W;RR S	285	26 S5	73 oct. Pwrline E, ENE.
Schuler (Woodburn, Ore)	2.8 WNW;RR E	700	29	req.No flood,no bcn.
SEATTLE Range (Boeing)(Wash)	260(SA)(116.1)	296°, 2.8	SBRAZ-DTXV	(3); 116.1, 122.1 Lgts prior
Seattle Sky Ranch (Issaquah)	1.6 NNW;hwy S	50	25 L5 S6	80,91 oct.Hill S. (Wash)
SEATTLE Navy H Fac. (Wash)	532 (WN)		MH	(4) cont.
SEATTLE NAS Tower (Wash)	230(142.74)		CN (GCA)	(3); 142.74 (8-sunset)
(N) Seattle NAS (Wash) (N)	6.5 NNE;lk E	37	51h (L6) S6	91,100 oct. NATS.
Seattle-Tacoma (Seattle,Wash	10.5 S; RR E	405	61h	Trees and hills sur fld.
Shank's (Indianapolis, Ind)	6NW;hwy NE	740	32 S6	80,91 oct.
Sheridan (Ind)	2.5 N	700	23 S6	80,91 oct.P-line W.Data un-
(P) Sky Harbor (Indianapolis,Ind)	7 ENE;hwy S,E	730	26 L S6	80 oct.P-line E,S,SE. ver.
Sky Park (Oregon City, Ore)	2.7 SE;RR NW	440	27 S6	80 oct. P-line S.
South Port Orchard (Port Orchard, Wash)	7.5 SSW;lk S	350	30 S6	80 oct.
Spanaway Acft Co.(Spanaway)	1.2 SSE;RR S	375	25 S6	80,100 oct.P-line S.(Wash)
Sportsman Arpk (Newberg,Ore)	1 E;riv SW;hwy W	173	23 S4	80 oct.Trees NNE.
STOUT Tower (Ind)	396		CA	4495 (9-18)
(A) Stout AAF (Indianapolis,Ind)(A)	5.5 WSW	714	45h L5 S4	100 oct,2nd ech maint only
Suco Arpk (Shelbyville,Ind)	0.7 SE;RR NE	800	23 S2	80 oct.P-line E.Data unver
Tacoma (Wash)	4.4 W;hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk (Tacoma,Wash)	2.9 WSW;RR E	250	20 S4	80 oct.Sharp drop W edge
Vancouver (Wash)	1 SE	26	19 S6	Ltd 80 oct. fld.
Vancouver, mun. (Wash)	6.7 ENE	240	26 S1	80, 91 oct. Hwy W.
Wells (Milwaukie, Ore)	1.3 NE;RR W	158	17 S1	80 oct. /Use strips only
White Cloud (Greenwood,Ind)	1.8 SW;hwy E	800	24 S6	80 oct.P-line N,NE,E,SE,NW
Yorktown (Ind)	0.8 S;RR N	910	20 S6	80,91 oct.P-line N,E,W.

INSTRUMENT LANDING SYSTEMS *(Localiser, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INDIANAPOLIS (L6)	109.9 ·· ··	333.8	44°	IM-	MM- ·—·— (0.89)	OM- ——(4.3)
					MMK- 201 —··	OMK-219 ··
McCHORD (A)	109.9	333.8	337°	IM- (0.24)	MM- ····· (0.85)	OM- ——(4.44)
					MMK-	OMK
PORTLAND	109.9 ·—·· ·—··	333.8	113°	IM-	MM- ·—·— (0.52)	OM- ——(4.81)
					MMK-	OMK-219 ····
SEATTLE-TACOMA	110.3 (W)	335	338°	IM-	MM- ·—·— (0.65)	OM- ——(4.6)
					MMK- 371 ·—··	OMK- 359 ···

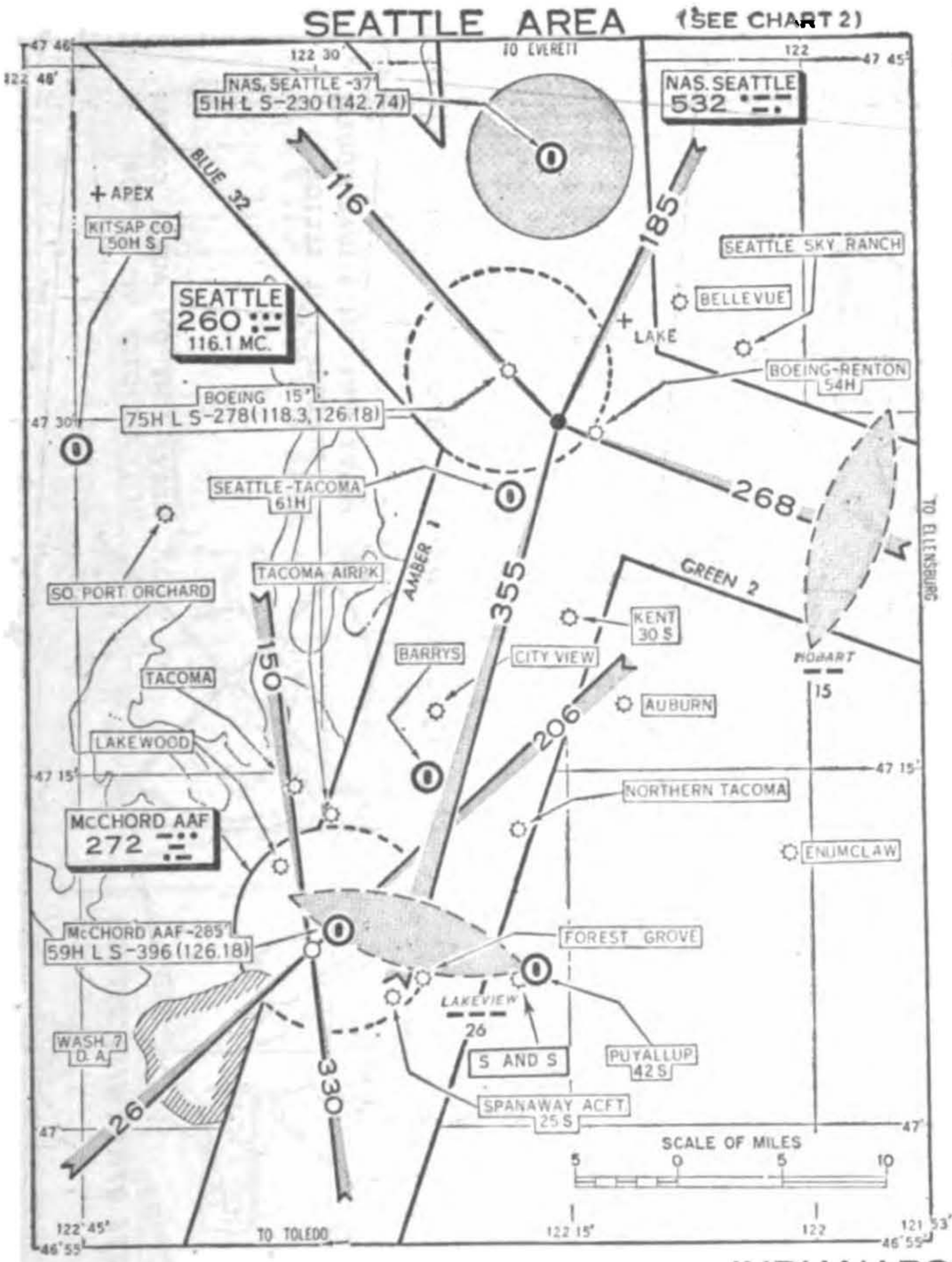
NEW FACILITIES

Bernard (Beaverton,Ore)	1.4 NNW;RR S	208	19 S6	80, 91 oct.
Columbia Co.(Scappoose,Ore)	1.2 NE;RR W	55	40h L S6	80,91 oct.Port rnwy lgts,P.
Hillsboro (Ore)	2.4 ENE;RR E	200	41h L5 S6	80,91 oct. line NNW.
Bellevue (Seattle,Wash)	9.5 E	345	22h S6	80,91 oct.Rdo prprs. Rnwy data unver.
Stewart (Danville,Ind.)	2 E;hwy N	750	25 S2	80 oct.Wires N,S.Use strips.
Skylife (Fairview,Ore.)	4 W;RR N	243	28 S1	80 oct.Pwrline ESE.
Division Street (Ore.)	2.4 WNW;RR E	250	28 S6	80,91 oct,S bldg.Trees N.
Auburn (Wash.)	1.8 ESE;lk NE	276	24 S6	80,91 oct.
Evergreen Fld (Orchards, (Wash.)	3.6 SSE·hwy S	510	24 L S6	80 oct.Port lgts prior req.

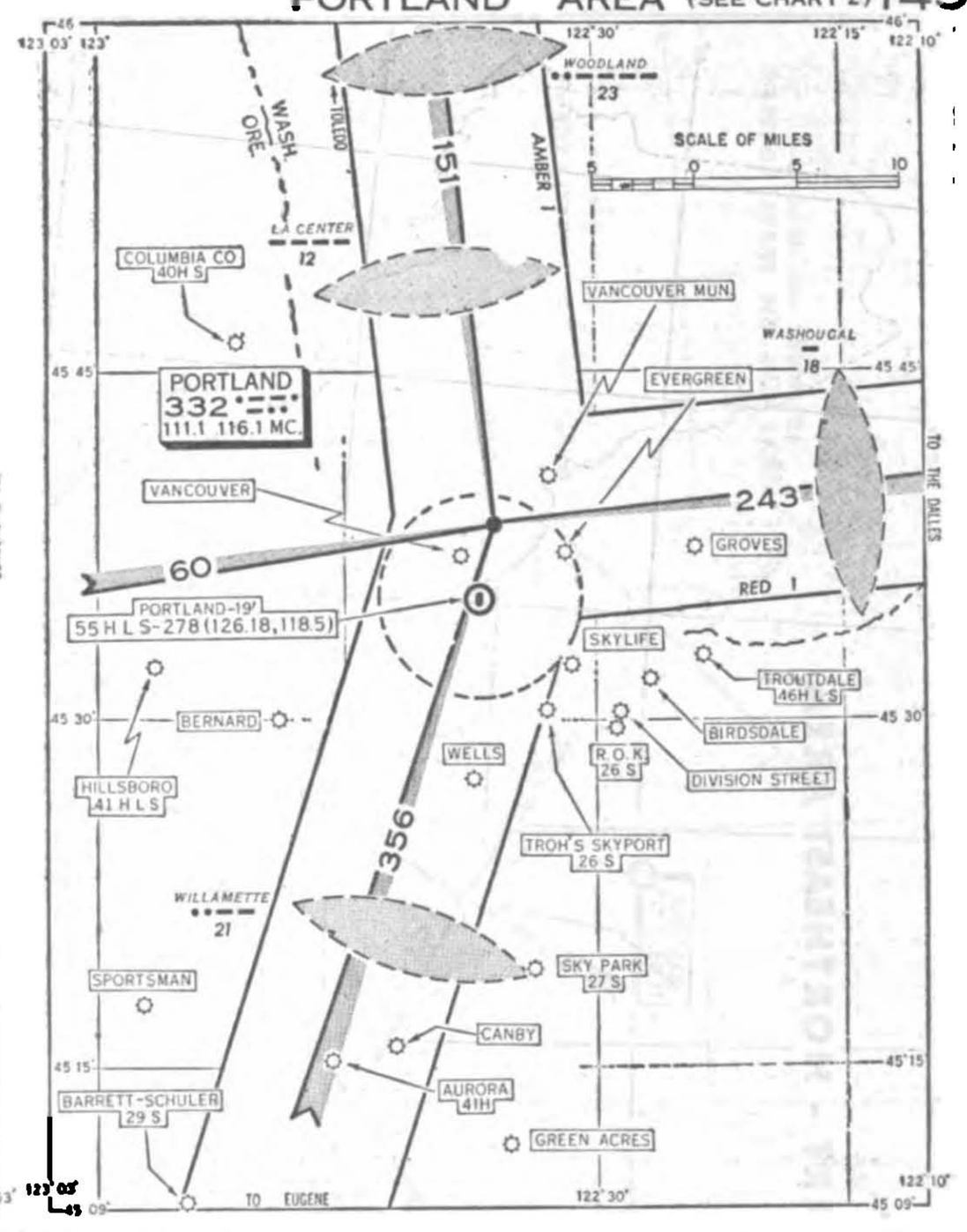
RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) →← New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

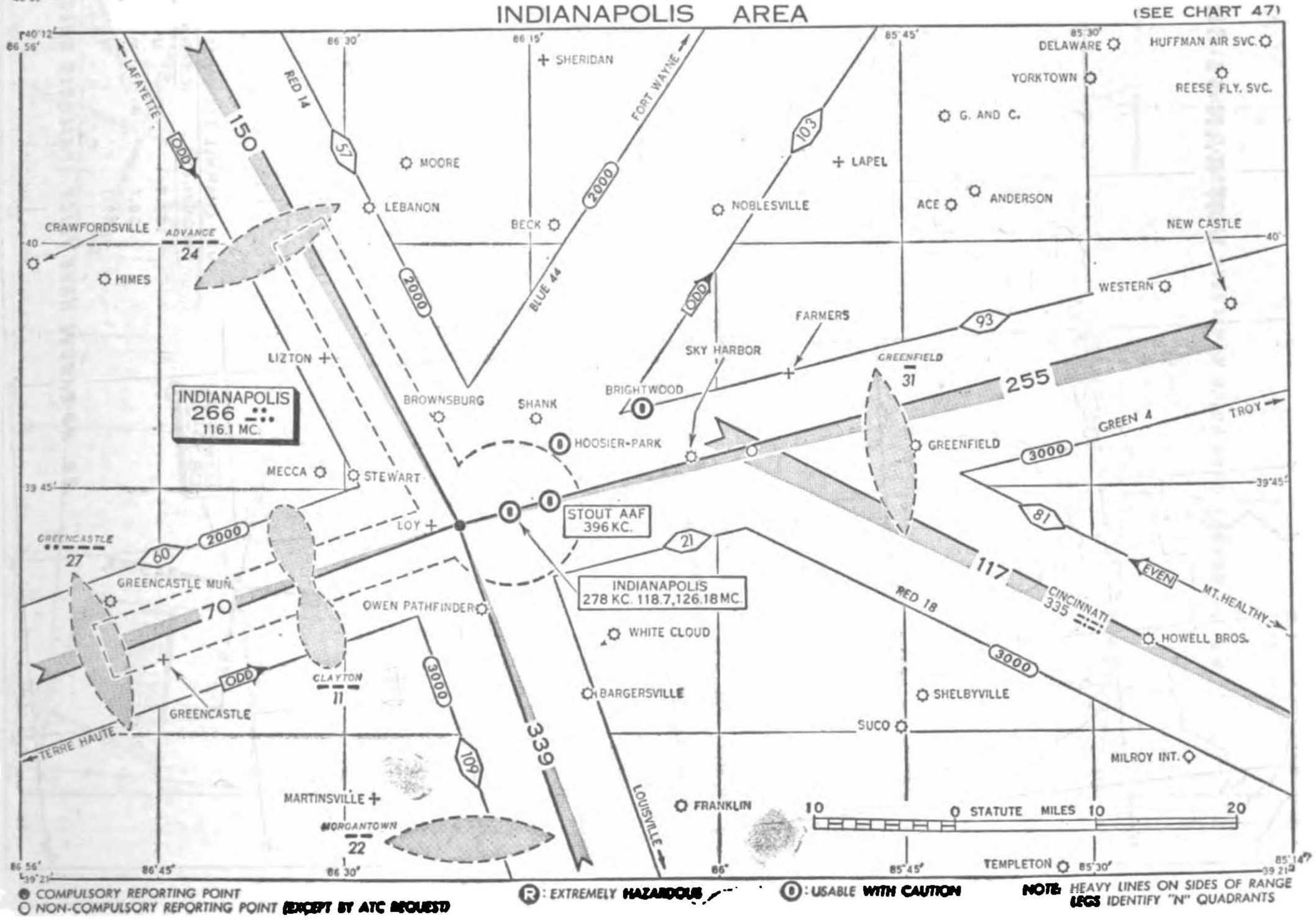
SEATTLE AREA (SEE CHART 2)



PORTLAND AREA (SEE CHART 2)



INDIANAPOLIS AREA (SEE CHART 47)



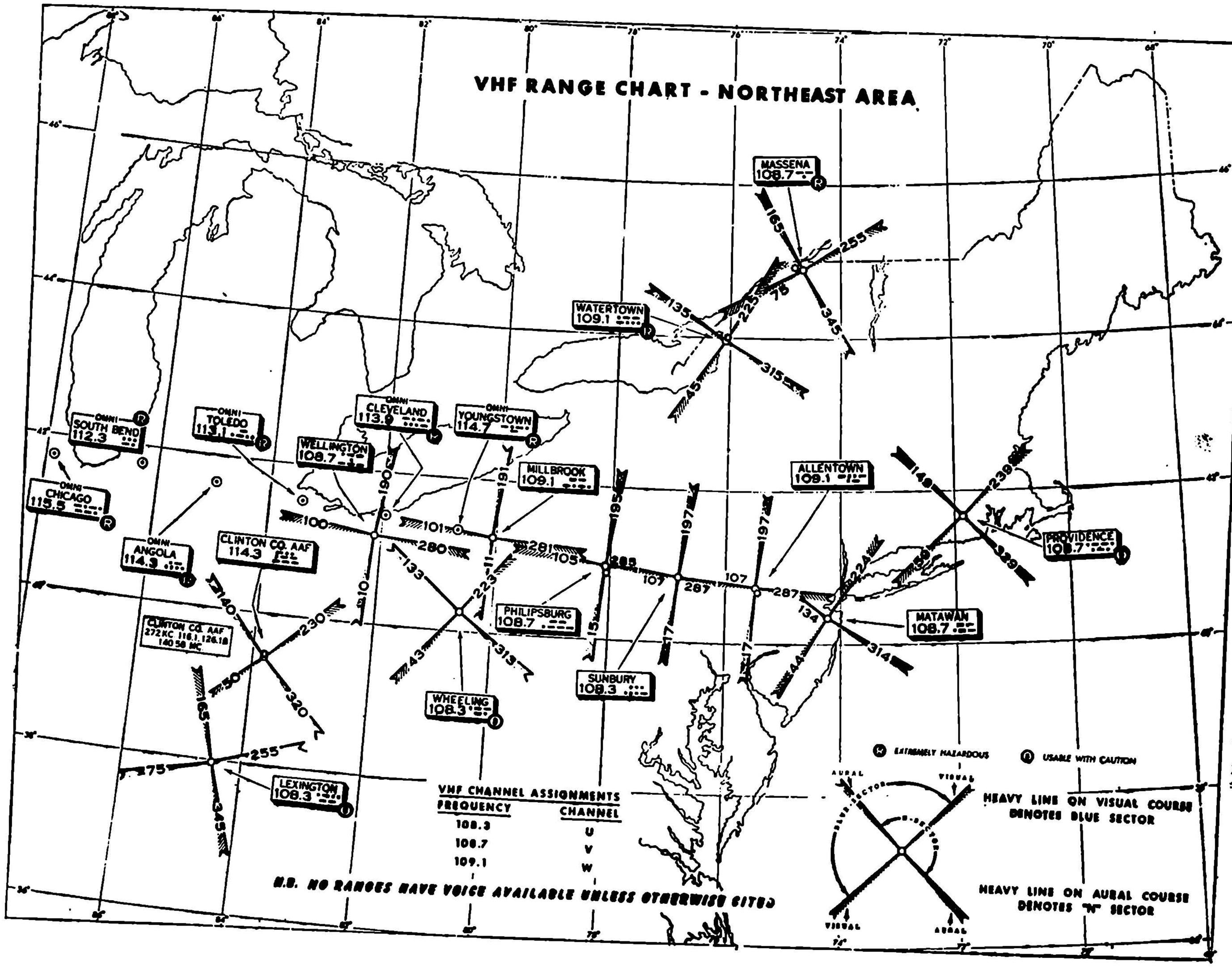
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS

Ⓞ : USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

VHF RANGE CHART - NORTHEAST AREA



VHF RANGE CHART
SOUTHEAST AREA

DYERSBURG 109.1

ASHEVILLE 108.7

HICKORY 108.3

ROCKY MT. 109.1

MYRTLE BEACH 108.3

MYRTLE BEACH AAF 272 KC 128.10 MC.

WILMINGTON 108.7

NAF. WEEKSVILLE 3295 KC 142.74 MC.

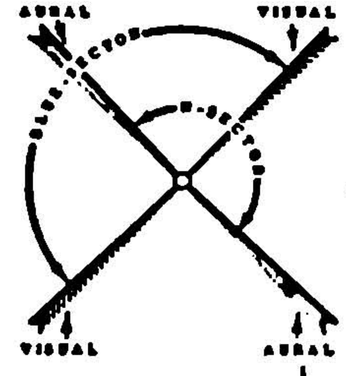
CGAS. ELIZABETH CITY 278 KC 142.74 MC.

ELIZABETH CITY 108.3

VHF CHANNEL ASSIGNMENTS	
FREQUENCY	CHANNEL
108.3	U
108.7	V
109.1	W

N.B. NO RANGES HAVE VOICE AVAILABLE UNLESS OTHERWISE CITED

② EXTREMELY HAZARDOUS ① USABLE WITH CAUTION



HEAVY LINE ON VISUAL COURSE DENOTES BLUE SECTOR

HEAVY LINE ON AURAL COURSE DENOTES "N" SECTOR

VHF RANGE CHART - SOUTHWEST AREA

CHILDRESS (VHF) W
W-109.1
O
143
233
149
53
162
233
253
72
252
323
342

ROOSEVELT (VHF) W
V-108.7
O
323

GUTHRIE (VHF) W
U-108.3
O

PINE BLUFF (VHF) W
V-108.7
O
103
283
39

EL DORADO (VHF) W
W-109.1
O
135
225
45
315

JOAQUIN (VHF) W
V-108.7
O
107
287
197
17

CLEVELAND (VHF) W
W-109.1
O
105
285
195
15

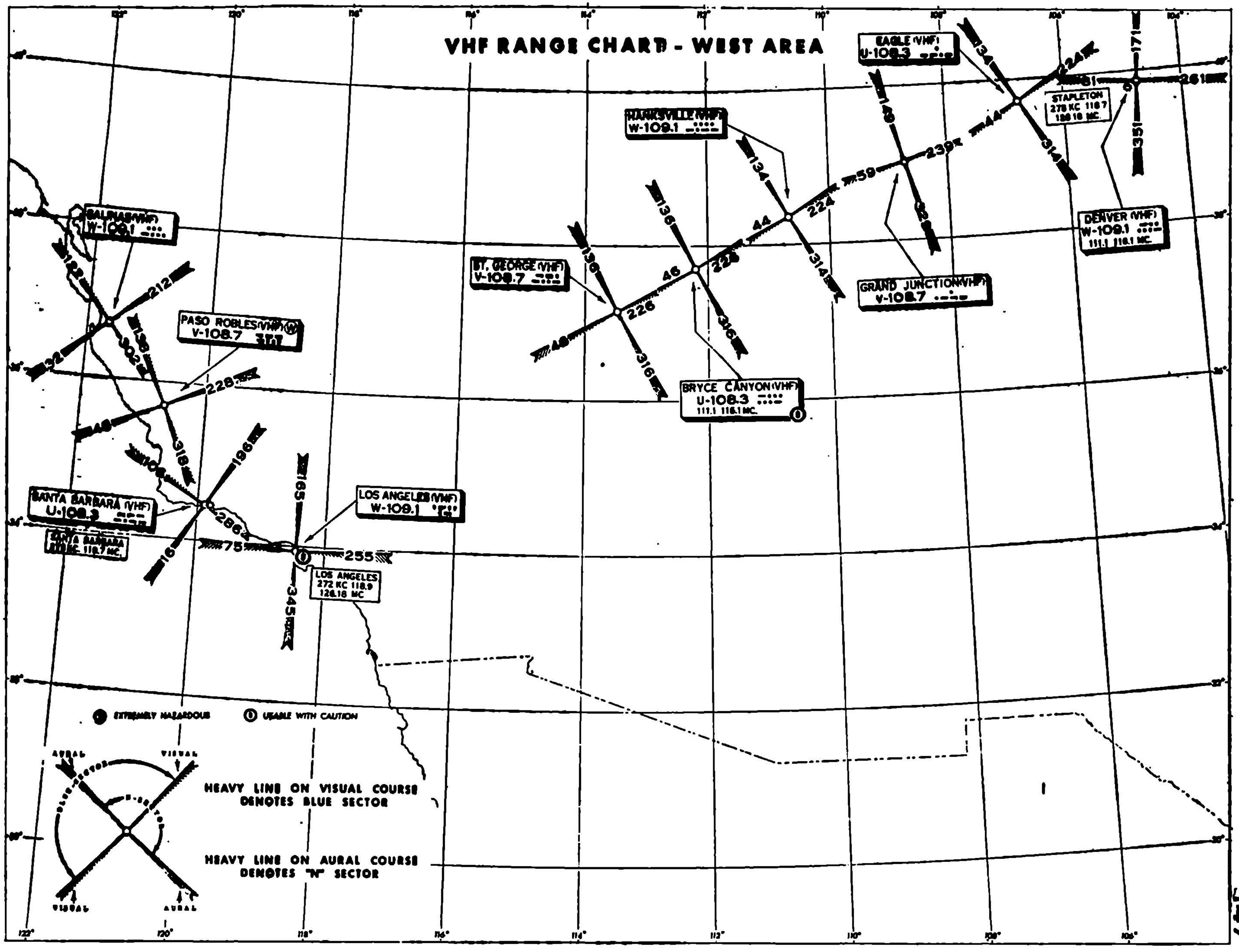
R EXTREMELY HAZARDOUS
O USABLE WITH CAUTION

AURAL
VISUAL
VISUAL
AURAL

HEAVY LINE ON VISUAL COURSE
DENOTES BLUE SECTOR

HEAVY LINE ON AURAL COURSE
DENOTES "N" SECTOR

VHF RANGE CHART - WEST AREA



AIRWAY MILEAGES

ALBANY - BOSTON	147
ALBANY - MONTREAL	195
ALBANY - NEW YORK	146
ALBUQUERQUE - AMARILLO	278
ALBUQUERQUE - DENVER	408
ALBUQUERQUE - WINSLOW	234
AMARILLO - OKLAHOMA CITY	232
AMARILLO - WICHITA	300
ATLANTA - MOBILE	299
ATLANTA - SHREVEPORT	579
ATLANTA - WASHINGTON	577
BIG SPRING - FORT WORTH	253
BIG SPRING - EL PASO	282
BILLINGS - HELENA	195
BIRMINGHAM - ATLANTA	141
BIRMINGHAM - MEMPHIS	268
BISMARCK - BILLINGS	384
BOSTON - BANGOR	210
BOSTON - BUFFALO	403
BOSTON - BURLINGTON	192
BOSTON - MONTREAL	265
BOSTON - PORTLAND	95
BROWNSVILLE - SAN ANTONIO	273
BUFFALO - CHICAGO	506
BUFFALO - DETROIT	249
CHARLESTON - CINCINNATI	152
CHARLESTON - RICHMOND	362
CHARLESTON - ST. LOUIS	475
CHARLESTON - WASHINGTON	461
CHICAGO - CINCINNATI	279
CHICAGO - DES MOINES	318
CHICAGO - MINNEAPOLIS	370
CHICAGO - ST. LOUIS	257
CLEVELAND - CHICAGO	320
CLEVELAND - DETROIT	107
DENVER - ALBUQUERQUE	408
DENVER - AMARILLO	378
DENVER - OMAHA	486
DENVER - SALT LAKE	469
DENVER - SHERIDAN	400
DES MOINES - DENVER	604
DETROIT - CHICAGO	257
EL PASO - ALBUQUERQUE	251
EL PASO - PHOENIX	383
EL PASO - SAN DIEGO	666
FARGO - BISMARCK	187
FORT WORTH - EL PASO	535
FORT WORTH - OKLAHOMA CITY	181
FORT WORTH - MONROE	310
GREAT FALLS - BILLINGS	202
GREAT FALLS - SALT LAKE	488
GREAT FALLS - SPOKANE	299
GREENSBORO - ATLANTA	307
HELENA - SPOKANE	269
HOUSTON - ALICE	222
HOUSTON - CORPUS CHRISTI	184
HOUSTON - DALLAS	267
HOUSTON - FORT WORTH	274
HOUSTON - SAN ANTONIO	238
INDIANAPOLIS - ST. LOUIS	222
JACKSONVILLE - ATLANTA	275
JACKSONVILLE - CHARLESTON	208
JACKSONVILLE - NEW ORLEANS	529
KANSAS CITY - CHICAGO	413
KANSAS CITY - DENVER	568
KANSAS CITY - HURON	416
KANSAS CITY - MINNEAPOLIS	471
KANSAS CITY - ST. LOUIS	205
KEY WEST - MIAMI	157
KNOXVILLE - NASHVILLE	154
LAS VEGAS - SALT LAKE	370
LOS ANGELES - LAS VEGAS	277
LOS ANGELES - SALT LAKE	647
LOS ANGELES - SAN FRANCISCO	362
MEMPHIS - FORT WORTH	468
MEMPHIS - NEW ORLEANS	349
MEMPHIS - ST. LOUIS	261
MEMPHIS - TULSA	362
MIAMI - JACKSONVILLE	334
MIAMI - TAMPA	222
MINNEAPOLIS - FARGO	228
NASHVILLE - MEMPHIS	205
NEW ORLEANS - HOUSTON	313
NEW YORK - BUFFALO	291
NEW YORK - BOSTON	193
NEW YORK - CLEVELAND	433
NEW YORK - PITTSBURGH	335
NEW YORK - ROCHESTER	277
NEW YORK - SYRACUSE	193
NEW YORK - WASHINGTON	228
OKLAHOMA CITY - WICHITA	158
PENDLETON - SALT LAKE	495
PHILADELPHIA - PITTSBURGH	258
PHOENIX - LOS ANGELES	369
PITTSBURGH - CLEVELAND	124
PITTSBURGH - INDIANAPOLIS	353
PITTSBURGH - NEW YORK	361
PORTLAND - BANGOR	115
PORTLAND - PENDLETON	185
PORTLAND - THE DALLES	73
PORTLAND - SEATTLE	131
RICHMOND - WASHINGTON	98
ROANOKE - KNOXVILLE	244
SACRAMENTO - SAN FRANCISCO	76
ST. LOUIS - CHICAGO	257
ST. LOUIS - KANSAS CITY	205
ST. LOUIS - MEMPHIS	261
SALT LAKE - BUTTE	379
SALT LAKE - GREAT FALLS	488
SALT LAKE - SACRAMENTO	549
SAN ANTONIO - CORPUS CHRISTI	168
SAN ANTONIO - BIG SPRING	267
SAN ANTONIO - DALLAS	251
SAN ANTONIO - FORT WORTH	258
SAN DIEGO - LOS ANGELES	106
SAN FRANCISCO - PORTLAND	574
SAN FRANCISCO - SALT LAKE	625
SAN FRANCISCO - SEATTLE	705
SEATTLE - SPOKANE	245
SHERIDAN - GREAT FALLS	307
SPOKANE - PENDLETON	161
SPOKANE - SEATTLE	245
TALLAHASSEE - BIRMINGHAM	297
TALLAHASSEE - NEW ORLEANS	363
TAMPA - TALLAHASSEE	225
TULSA - ALBUQUERQUE	629
WASHINGTON - CHARLESTON	267
WASHINGTON - GREENSBORO	271
WASHINGTON - NEW YORK	226
WASHINGTON - PITTSBURGH	190
WASHINGTON - ROANOKE	196
WICHITA - KANSAS CITY	176
WINSLOW - LOS ANGELES	502.

N.B. The attempt to superimpose VHF ranges cartographically upon the low frequency system practically nullified the Guide charts for either VHF or LF navigation.

It was decided, therefore, to give the VHF ranges separate coverage. With the Guide's stringent page limitations, separate VHF range charts necessitated the elimination of the Civil Airways and Mileage Charts. Specific flight advisory and traffic control area boundaries and specific fix mileages, however, may still be found on the individual Guide Charts.

It is hoped that the mileages tabulated above facilitate flight planning because the addition of small sector mileages is no longer necessary.

NOTICES TO AIRMEN
SPECIAL NOTICES

ARMY DATA: Advice covering Army fields or Army operations on civil fields, or Army radio facilities, and also Air National Guard fields and facilities should be forwarded to Commanding General, Air Transport Command, ATTN: Flight Operations Division, A-3. Requests for approval of the closing of Army airfields or restrictions in airfield facilities to transient military aircraft for over 10 days should be forwarded to the same address for submittal to Headquarters Army Air Forces, as required. Restrictions in Air National Guard Fields or facilities will be forwarded to the National Guard Bureau through the State Adjutant General for approval. That Bureau will forward approved restrictions to the above address for publishing. Information to be published will be coordinated and submitted to the Civil Aeronautics Administration.

NAVY DATA: In accordance with Hydrographic Office Memorandum for Aviators No. 9, July 20, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air/gnd communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25,D.C. for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter No. 96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

CIVIL DATA: The Airman's Guide covers primarily two broad fields of civil airport information, namely so-called permanent data changes and temporary hazardous conditions. Permanent airport data refer to new airports or changes in field layout, servicing, lighting, or permanent obstructions of existing airports. Temporary hazardous conditions refer to conditions that make such airports temporarily unusable or usable only with caution. Such hazardous conditions could be, for example, a field closed because of floods, spring thaws, or construction; or merely a burned-out obstruction light or a runway partially unusable because of construction. Obviously, temporary hazardous conditions should be reported to the aeronautical public at once. The necessity for reporting additional aids or minor changes in existing aids, however, isn't nearly as cogent In other words, a temporarily **closed airport is ordinarily of much more importance from a safety angle than is a new airport, and the aeronautical public should be told** about **it as expeditiously as possible.**

Notamizing **of advice covering a field unusable** because **of flood, or snow, a runway closed** because of construction, **or the erection of** a pole-line **in an** approach, **doesn't** necessitate **an** engineering background **on the** part of the reporter. Too, safety frequently necessitates the notamizing of such advice **before** an official **check can** be made On the other hand, advice covering permanent airport data changes, **such as a new** airport, or a lengthened landing strip, or an additional hangar, obviously doesn't **require** the same **expeditious** transmission to the aeronautical public, and the data may **be** checked from an engineering standpoint and for standardization before being publicized.

SUMMATION: (a) Since the aeronautical public should be immediately **advised** of hazardous conditions, reporters should utilize the CAA Airways Communications Stations The item to be reported, therefore, should either be telephoned or mailed to the nearest communications station for dissemination as a notam and for further transmission to the publishers of the Airman's Guide.

(b) Permanent airport data changes (as differentiated from temporary hazardous conditions) should be reported to the appropriate CAA District Airport Engineer for coordination before they are included in the Airman's **Guide.**

USE OF AIRPORTS BY MILITARY AIRCRAFT: (1) AAF REGULATION 85-2: The attention of Army clearance personnel and of Army pilots is invited to the provisions of Section III, AAF Regulation 85-2 and AAF Regulation 85-2A, which state in part: "Except for those Army aircraft assigned to civil contractors or agencies under bailment contract, no Army aircraft will utilize civil airports which have not been leased, purchased, or where AP-4 or similar landing rights agreements have not been negotiated by the Government, except in case of emergency or in case of official business. Each instance of flights in AAF aircraft for official business will be covered by competent air force, major air command, or higher authority orders. Each instance of flights for official business in organic aircraft of the Army Ground Forces will be covered by written orders of the commander of the unit to which the aircraft is assigned. These written orders must designate the field of intended landing. Unauthorized use of such airports is a substantiating factor in claims for damage with accompanying requests to the Government to bear maintenance and repair costs or to provide Government equipment at such civil airports. Notation will be made by clearing authorities in Remarks section of AAF Form 23 that competent authority authorizes use of such fields and will be transmitted in Remarks Section of the flight plan as 'authorized flight'. **All** landings **by military aircraft** without competent written orders **on** inactive, **temporarily** inactive **Army airfields** and civilian airports, **except in case of emergency, will be limited** to the **ones identified** by letters "A, N, NG, **or P" in the Airman's Guide. It is the responsibility of the various air forces, major air commands and certain field activities under the direct control** of the Commanding **General, AAF, to prevent unauthorized use of airfields and airports** as **outlined in this** Regulation".

2. **"OFFICIAL** BUSINESS" within **the meaning of AAF Regulation 85-2 is interpreted as the necessity** for personnel **aboard an aircraft to contact personnel, units, or** organizations **at or near the airfield selected for landing for the purpose of conducting** transactions **in the service of, and in the interest of, the United States Government. This** does **not** include **the use of an airfield by transient aircraft for the purpose of obtaining** clearance, **service, or other items attendant with itinerant operations. Cross country** flights **for the purpose of maintaining flying proficiency are not considered to be official** business **within the meaning of this regulation.**

3. **POLICY OF ARMY USE OF TEMPORARILY INACTIVE AIRFIELDS: (a) Municipal airfields which have been used jointly by the Army Air Forces and civil interests** and **at which Army facilities are temporarily inactive but the civil facilities are still** active, **may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein** (directory **section only) by the following notice: "ARMY TEMP INACTIVE - CIVIL FACS"** (b) **Temporarily inactive Army airfields used exclusively by the Army Air Forces** (either **owned or leased) or municipal airfields used jointly by the Army Air Forces with** civil **interests at which both Army and civil facilities are inactive will be available to** military **aircraft at the discretion of the Commanding Officer of the organization to which** the aircraft **is assigned. Such airfields will be identified herein (directory section only)** by **the following notice: "TEMP INACTIVE. NO FACS.". Above policy statement is not** to **be construed as countermanding any AAF Regulations or letters governing command** use **of municipal airports or Army airfields.**

4. **"CLOSED" ARMY AIRFIELDS: Under the provisions of AAF Regulation 60-23** or **under specific direction of the CG, AAF, from time to time certain airfields under the** jurisdiction **in whole or in part of the Army Air Forces will be listed as "CLOSED":** Such **as,** (a) Fields closed **to all transient traffic except on official business or in** emergency; (b) Fields **that have been declared surplus to the AAF and on which permits** have not been issued for **civil use or which have not been otherwise disposed of by WAA.** The listing "CLOSED" **will appear in the directory section only. Airfields so designated** will **be used on official business only under written orders in each case.**

CLEARANCE OF AAF AIRCRAFT: National Guard **Units are not authorized to** clear AAF aircraft. At bases occupied solely by National Guard, clearance for **AAF aircraft** will be obtained from **Flight** Service in accordance with provisions of paragraph **2,** AAF Regulation 60-22.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA - Morrison Field, Fla., Washington National Airport, D.C., or Westover Field, Mass. ALASKA - McChord Field, Wash., Great Falls AAF, Mont. BERMUDA - Mitchel Field, N.Y., Morrison Field, Fla.,

✓ Indicates new or revised Special Notices

Washington National Airport, D.C., or Westover Field, Mass., CANADA - Great Falls AAF, Mont., McChord Field, Wash., Washington National Airport, D.C., Selfridge Field, Mich., or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif., Kelly Field, Tex., or Morrison Field, Florida. CARIBBEAN - Morrison Field, Fla., or Kelly Field, Tex. ENGLAND, GREENLAND, ICELAND, NOVA SCOTIA, NEWFOUNDLAND, AND NORTH IRELAND - Washington National Airport, D.C., or Westover Field, Mass. (Note: Selfridge Field also will clear for Nova Scotia and Newfoundland). HAWAII - Fairfield-Suisun AAF, Calif.

PILOT PROCEDURES WITH FLIGHT SERVICE USING AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): (1) Departure from AAF Bases: No change. References: AAF Regulations 15-23 and 60-22. (2) Departure from non-AAF Bases: AAF aircraft departing from a non-AAF base will file a complete flight plan with, and when necessary, secure approval from, the nearest Flight Service center prior to take-off, or as outlined in AAF Regulation 60-22. Communications with a Flight Service center may be established by direct telephone or by a radio call to the nearest AAF base or AACS airways radio station. After contacting the Flight Service center, and obtaining flight plan approval when necessary, pilots contemplating flight under IFR will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA communications facilities. However, if CAA communications facilities are not available, the CAA clearance may be obtained through Flight Service. (3) Change of Contact Flight Rule (CFR) Flight Plan Enroute: AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACS airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of IFR Flight Plan, or CFR to IFR, or IFR to CFR Enroute: Any AAF aircraft requiring a change of route, altitude, point of first intended landing, cruising speed, or alternate airport, or change from CFR to IFR, or IFR to CFR, enroute will contact a CAA communications station for CAA Airway Traffic Control clearance and Flight Service approval if necessary. Pilots possessing clearance authority must furnish Flight Service their new flight plan. If communication with a CAA communications station cannot be established, an AACS airways radio station will be contacted for coordination between CAA and Flight Service and to obtain CAA Airway Traffic Control clearance and Flight Service approval when necessary. (5) CFR Position Reports: When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS airway radio stations enroute and receive any necessary advisories from Flight Service. One position report each 30 minutes is considered adequate. (6) IFR Position Reports: When flying under IFR conditions, pilots will first make position reports to CAA communications stations as heretofore required by Civil Air Regulations, and then to AACS airways radio stations en route, and receive any pertinent Flight Service advisories. (7) Voice Calls: AACS airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio". (8) RON Messages: At bases not connected with Flight Service centers by military interphone, pilots may file RON messages via long distance telephone to the Flight Service center at the time the arrival report is filed. (9) All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency, and service obtainable. An Index of AACS airways stations within the U. S., together with a listing of the assigned frequencies, may be found on pages 100 & 101 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service	
A	116.1 mcs.	CAA AIRWAYS (RANGE STATIONS)	* AACS Airways
B	126.18 mcs.	CONTROL TOWERS	(Plan 62)
C	137.88 mcs.	AACS AIRWAYS (PLAN 62)	* Control Towers
D	140.58 mcs.	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL	

* Available for service indicated on a secondary basis.

(10) It will be some time before all AAF aircraft are equipped for operation on AACS airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt to make position reports to Flight Service as described above. Emergency Flight Service advisories, however, may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS airways frequencies will contact airways station whenever possible rather than AAF control towers. (11) The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA AREA	FLIGHT SERVICE AREA	PHONE NO.
Washington; Pittsburgh; New York; Boston	Olmsted Flight Service Center Middletown, Penna.	Steelton 93387 Steelton 93470
Jacksonville; Miami	MacDill Flight Service Center Tampa, Fla.	Tampa H-4871
Memphis; New Orleans; Atlanta .	Maxwell Flight Service Center Montgomery, Ala.	Montgomery LD 89
Cleveland; Cincinnati; Detroit;Chicago;St. Louis	Wright Flight Service Center Dayton, Ohio	Osborn 88691 Osborn 88692
Ft. Worth; San Antonio; part of El Paso	Ft. Worth Flight Service Center** Fort Worth, Tex.	Fort Worth 77251
Denver; Minneapolis; Kansas City	Lowry Flight Service Center Denver, Colo.	Denver LD 116 LD 117
Los Angeles;Albuquerque; part of El Paso	March Flight Service Center** Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland; Salt Lake	Hamilton Flight Service Center Hamilton Field, Calif.	San Rafael 770 San Rafael LD-20
Great Falls;Seattle	McChord Flight Service Center Tacoma, Washington	Tacoma LD-20 Tacoma LD-21

**REVISION OF ARMY FLIGHT SERVICE CENTER AREAS: The boundary between the March and Fort Worth Flight Service Areas has been moved. That part of the El Paso CAA area lying E of the following points now falls within the Fort Worth Flight Service Area; that part lying W within the March Flight Service Area: From 25 miles SE of the Clarendon Range, thence SSW to lat. 33°, long. 101°35', thence W to 33°-104°, thence S to 31°-104°, thence W to the U.S.-Mexican Border at 31°-105°34'

IFR CLEARANCE OF ARMY AIRCRAFT: Except as outlined below, no Army aircraft will be cleared for instrument flight unless such aircraft is equipped with a low frequency radio receiver capable of reception in the 200 to 400 kc. band. The BC-1206 (Detrola) receiver is not considered adequate as regards compliance with this directive. Aircraft not so equipped may be permitted to clear under IFR when the instrument type clearance is necessitated by reduced local visibility caused by fog, smoke, or haze, or when the flight will not be conducted under conditions which will require navigation by radio.

CLEARANCE OF AAF AIRCRAFT IN NEW YORK CITY AREA: In accordance with AAF Letter 63-9 of April 24, 1947, the following instructions will govern the clearance of AAF aircraft to and from the New York City Area (encompassed by a 25-mile radius from the southern tip of Manhattan).

(A) FLIGHTS INTO THE AREA: AAF aircraft flying into the area may be cleared for any authorized field therein, but will in all cases secure in-flight approval from Flight Service by contacting Mitchel Airways prior to proceeding to the field of destination. AAF Form 23 will indicate a flight plan to the field of destination via Mitchel Fld. Mitchel Airways will secure Flight Service approval of further clearance to other fields in the area under the conditions listed below only. If further clearance is refused, aircraft will land at Mitchel Field or at any other authorized field outside the area.
(1) CFR. When the ceiling is at least 2000' and the visibility is 3 miles or more.
(2) IFR (a)When the visibility is not less than 1 mile and the ceiling is unlimited. (b) When the visibility is not less than 2 miles and the ceiling is not less than 5000'.

(B) FLIGHTS OUT OF THE AREA: AAF aircraft departing from the area from fields other than Mitchel will be cleared subject to the conditions listed above for CFR and IFR clearances.

AAF aircraft engaged in regularly scheduled transport flights under the operational control of the Air Transport Command are exempted from the above restrictions.

SELECTION OF WEATHER ALTERNATES BY ARMY PILOTS: In accordance with policy stated by the CG, AAF April 7, 1947, Army pilots are not to be refused IFR clearances because of selection of other than "A, N, NG, or P" fields as an alternate. The selection of an alternate airport is a planned procedure to be resorted to in case of emergency and any suitable airport, military or civilian, will be accepted for clearance purposes. Concerning this policy, it is pointed out that pilots who do utilize other than "A, N, NG, or P" fields under such circumstances may be called upon to justify their use of same.

V.H.F. CHANNEL ASSIGNMENTS:

Following are Army assignments:

Channel	Frequencies
A	116.1
B	126.18
C	137.88
D	140.58
G	137.70
H	134.10
U	108.3
V	108.7
W	109.1

Following are Navy assignments:

Channel	Frequencies
1	116.1
2	142.56
3	126.18
4	128.70
5	143.28
6	134.64
7	143.64
8	142.02
9	142.74
GUARD	140.58

ARMY DISTRESS, AND SEARCH AND RESCUE PROCEDURE: 1. When an aircraft is in distress and the pilot is unable to establish two-way communication on any frequency, he will transmit as follows: "Mayday. Mayday. Mayday. This is Army 1 2 3 4, this is Army 1 2 3 4, this is Army 1 2 3 4, my approximate position is --, Over." Pilot may follow this emergency transmission with any other information he deems necessary. Although Channel "D" (140.58 mcs) has been designated as the Joint Army-Navy emergency frequency, the pilot in distress will use any or all frequencies at his disposal. Communication coverage on various frequencies will vary depending upon the location of control tower, airways, VHF/DF, and other radio stations. 2. To request escort by Air Rescue Service rescue plane when two-way communication can be established, aircraft in distress will: (a) Contact Flight Service through nearest AACS airways station. (b) Give position report; if position is not known, request QTF (Fix). (c) Give nature of trouble, also estimated time plane can remain aloft. (d) Follow instructions transmitted by Flight Service. (e) Follow instructions of Air Rescue Service aircraft after contact is accomplished. 3. To report sighting of crashed aircraft: (Note: Previously reported and identified crashes are marked with yellow paint). (a) Contact Flight Service through nearest AACS airways station. (b) Give position of crash. (c) Evidence of survivors, type and number of aircraft (if possible). (d) Follow instructions transmitted by Flight Service. (e) Immediately after landing make a complete report for transmission to the nearest Air Rescue Unit; also notify nearest Army Air Forces installation.

SERVICING FOR ARMY AIRCRAFT: Transient Army servicing is usually available at active Army airfields and, when available, is indicated in the remarks column, data section by an "S" designation (as defined under data legend) and octane ratings of gas are shown. At airports designated by a single (A) in the "Airman's Guide" (Joint use with civil interests), Army servicing is available unless remarks column carries "ARMY TEMP INACT-CIVIL FACS." Notation is given in remarks column to servicing available for military aircraft: for example, "91, 100 oct. Army" This may be contract service. As a matter of policy, limited servicing and maintenance will be available to transient military aircraft at Air National Guard Fields (on Form 15). Notation with regard to available facilities will be shown in the remarks column; for example, "91,100 oct. NG". At (P) or civil fields, military servicing or Army contract fuel will not be available; servicing may be secured in emergency only on a Form 15. Army servicing may be procured at Navy fields on a Form 15.

GROUND/AIR EMERGENCY CODE: The attention of all Army base operations personnel and Army pilots is invited to WD pamphlet 11-7, subject "Gnd/Air Emergency Code"

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

OLD PILOT CERTIFICATES MUST BE EXCHANGED: All pilot certificates issued prior to July 1, 1945, will expire July 1, 1947. Such certificates may be exchanged for new-type certificates at any time prior to their expiration date.

PERSONAL POSSESSION OF PILOT CERTIFICATE: No person shall pilot a civil aircraft within the U.S. unless he holds a valid pilot certificate with appropriate ratings issued by the Administrator or an appropriate and valid foreign pilot certificate. Such certificate shall be in the personal possession of the pilot at all times while piloting aircraft and shall be presented for examination to any inspector of the Administration or State or local law enforcement officer upon the request of such inspector or enforcement officer.

NOTICE TO ALL FLYING PERSONNEL: Because of the increase in aircraft operations, both civil and military, in recent months, the number of complaints regarding airplane noise nuisance has reached such proportions that the advancement of aviation and development of new airports are in danger of being severely retarded. To reduce the number of such complaints, it is requested that the following practices be put into effect by all fliers: (1) Discontinue all unnecessary low flying. (2) When weather and traffic volume permit, increase altitudes of all traffic patterns that require flight over inhabited areas. (3) Re-route channels of approach and departure to avoid residential and business districts whenever possible. (4) If the airport is located near inhabited areas, reduce power and increase pitch of propellers as quickly as possible during take-off so as to keep engine and propeller noises at a minimum. (5) Keep rpm's set at a minimum required operational setting when low flying over populated areas is necessary.

RADIO TELEPHONE-OPERATION AUTHORIZATION: This is the simple way in which an authorization to operate a radio telephone transmitter in an aircraft is obtained: the applicant appears in any of the Federal Communications Commission field offices, or before any CAA flight examiner of the CAA, who has been designated by the FCC to issue the permits, proves he is a United States citizen, that he has need of such an authorization, and that he understands the few simple rules and regulations. He is given a card granting the authorization then and there. FCC offices are listed under U.S. Government in phone books, and there are some 30 of them throughout the country. Mostly, they are in downtown offices There are more than 1,000 CAA designated flight examiners. Mostly they are located at airports. The "examination", if it may be so described, consists of a few questions establishing the ability of the applicant to transmit and understand spoken messages in English, and to understand the simple rules governing the use of such equipment. He is also given simple, printed instructions for its use.

V.H.F. IFR FLIGHTS: Until further notice, Air Traffic Control will be exercised on the assumption that aircraft are utilizing intermediate frequency radio ranges. If a pilot desires to conduct IFR flight using VHF ranges over all or a portion of the route, his flight plan should so indicate. Further, flight should not be conducted on civil airways in IFR weather using VHF ranges unless the ATC clearances so authorize. (See pages 144, 145, 146 for VHF range coverage).

NEW PRIVATE FLIER VHF FREQUENCIES: All CAA Communications Stations and Towers are discontinuing receiving watches on 131.7 mcs. and 131.9 mcs. as new equipment becomes available to guard the new private flier frequencies of 122.1 mcs. for

transmission to CAA Communications Stations and 122.5 mcs for transmission to CAA operated towers. Practically all CAA towers now guard 122.5 mcs. but the communications station program is not fully effective yet because of non-receipt of the new receivers. CAA Communications Stations normally reply to itinerant aircraft on the voice feature of the range, low frequency or VHF, whichever is applicable. Replies are made on 111.1 mcs if VHF reply has been requested on other than range frequency. CAA airport control towers will reply to itinerant aircraft on one of the frequencies 118.3, 118.5, 118.7, or 118.9 mcs. in addition to towers' low frequencies. See individual data pages in the Airman's Guide for inclusion of these frequencies as commissioned.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS: The time of observation for all weather reports is 30 minutes after the hour, unless otherwise announced. Pilots enroute are requested to avoid, if possible, calling airway communications stations at or about 15 and 45 minutes past the hour (which are the scheduled broadcast times) to request weather information, as such calls may delay starting of scheduled broadcasts and cause inconvenience to other persons who are dependent on the broadcasts for weather reports.

RADIOTELEPHONE COMMUNICATIONS: The word ROGER in radiotelephone communications means "I have received all of your last transmission", and its use in any other sense by CAA stations and towers is not authorized. In order to avoid confusion it is suggested that pilots engaging in air-ground contacts also limit the use of ROGER to acknowledgment of transmissions.

INSTRUMENT FLIGHT, NEW YORK METROPOLITAN AREA: Revised arrival, departure, holding instrument approach and control procedures utilizing new radio aids were placed in effect in New York Metropolitan Area. Non air carrier pilots proposing instrument flight through this area or to or from Newark, Mitchel, or La Guardia Fields should write the Chief Controller, New York Air Traffic Control Center, Box 575, La Guardia Field, New York, for copies of applicable Operations Letters describing these procedures.

NON-COMPULSORY REPORTING POINTS: (1) The intersection of the NW leg of Waco Radio Range and the W leg of Fort Worth Radio Range has been designated a non-compulsory reporting point known as "Strawn". (2) The intersection of the NW leg of Waco Radio Range and the W leg of Dallas Radio Range has been designated a non-compulsory reporting point known as "Gordon". (3) The intersection of the S leg of Ft. Worth Radio Range and the W leg of Dallas Radio Range has been designated a non-compulsory reporting point known as "Fort Worth"

CFR FLIGHT PLANS, AND ARRIVAL REPORTS: CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. One hour after E.T.A., if no notice of arrival is received, queries are sent out over CAA communication systems. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. To reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: Correct "TO-08-15-1", May 25, 1947, page 97, by deleting FCC station at South Miami, Fla., and by showing instead, station at Richmond, Fla. (temp inop due to pending move), telephone number Perrine-2921; by correcting back-page Index to Radio Facility Charts to show Atlanta Chart as 51 and Miami Chart as 53; page 32, by showing control tower at Casper with VHF channel B.

WEATHER REPORTING SERVICE

Weather Reporting Location	Type of Report	Effective Date
Powell, Wyoming	Supplementary	Established
Lovell, Wyoming	Supplementary	Established
Evanston, Wyoming	Supplementary	Established

NOTE: Hourly reports now available from Ontario, Oregon in lieu of supplementary weather reports.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with 2-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields, and before taxiing and taking off, should be on the alert for and be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest or Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons, indicate suspension of CFR traffic.

AIRPORT AND RADIO NOTICES

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

FOREIGN DATA

SPECIAL NOTICES

FOREIGN ENTRY PROCEDURES, AIRPORTS OF ENTRY, CUSTOMS REPORTS, CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: These procedures and regulations were all incorporated into the Flight Information Manual, Volume 1, No. 2, dated January 1, 1947. Only amendments to the data contained in the Manual will hereafter be carried in the Airman's Guide.

UNITED KINGDOM MILITARY AIR BASE USAGE: The following United Kingdom military air bases are available to civil air carriers of only U.S. and United Kingdom and to aircraft which were purchased in either the United States or the United Kingdom and are in ferry status: (a) For regular use: Kindley Field, Bermuda; Beane Field, St. Lucia; Coolidge Field, Antigua; and Atkinson Field, British Guiana; (b) For alternate

use: Waller Field, Trinidad; Vernam Field, Jamaica; and Carlsen Field, Trinidad. Even though the above fields are open to civil air carriers and ferry status planes it is mandatory that the operators of such aircraft secure approval for use of these military air bases from Headquarters, AAF, Washington, D.C., prior to the departure of each flight or series of flights.

CAUTION ADVISED IN USE OF GUATEMALA-HONDURAS AREA AERONAUTICAL CHARTS: Flight checks have revealed that elevations indicated on Gulf of Fonseca (710) Aeronautical Chart covering the Guatemala-Honduras-Nicaragua Area, dated Dec. 1946, are as much as 4300 feet too low. This chart base is being thoroughly re-checked and a new chart will be issued as soon as possible.

TRANSMISSION OF INTERNATIONAL NOTAMS: Effective May 10, 1947, the transmission of international notams to Service A circuits by WSY New York was discontinued. Offices desiring receipt of this material should obtain receiving drops on the Service O system.

INTERNATIONAL RADIOTELETYPE CIRCUITS: Effective May 16, 1947, WFM Lagnes, Azores permanently decommissioned. The following radioteletype circuits are established and in operation at CSY Santa Maria; WSY New York; EIP Shannon; FXO Paris; WFH Port Lyautey. Inter-island radioteletype link CSY Santa Maria to WYQY Lagens will be continued until further advised. All above circuits are operating in accordance with ICAO Communications Procedures.

NAVAL COMMUNICATIONS WITH COMMERCIAL AIRCRAFT IN CARIBBEAN AREA: Effective March 24, 1947, and until further notice, San Juan NAS, Trinidad NAS, Guantanamo NAS guard 6515 kcs voice continuously, transmitting and receiving, for communications with commercial aircraft.

AFRICA-Dakar Weather Broadcast: Effective 0820Z GCT, March 24, 1947, station WFG commenced broadcasting Dakar METAR hourly at 20 minutes past each hour on 3285 kcs., A1 emission.

BERMUDA-Somerset NAS Radio Facility: Somerset NAS transmissions, air ground CW 3285 and 6253 kcs., were discontinued April 3, 1947.

BRITISH WEST INDIES-Antigua NAF: The following red obstruction lights have been discontinued at Antigua NAF. Aircraft utility building height 50' two lights. Main supply building height 60' one light. Power house height 40' one light. The following red obstruction lights will be discontinued at sunrise June 1, 1947. Three obstruction lights on water tower, two at 75' level and one at 155' level.

Belize, Honduras-Landing of Private Aircraft in Belize, Honduras: Aircraft intending to land at Belize Airport or on the Belize waterfront should give the Director of Aviation, Belize, Honduras, at least four hours' advance notice of their intended arrival. Flight plans may be filed for transmission to Belize between the hours of 1400Z and 2400Z thru MIAMI CAA operated, overseas foreign aeronautical communications station.

Kingston, Jamaica-Montego Bay Airport: Montego Bay Airport is a British-controlled airport now under limited operation by Pan American Airways. It is necessary for all flights departing from Montego Bay for points in the U.S. to file flight plans with the Kingston ATC through the Kingston Communications Station - call letters MRX. Flight plans also must be filed for all flights departing from U.S. for Montego Bay. They may be filed for transmission to Montego Bay through the CAA-operated Overseas Foreign Aeronautical Communications Station at Miami - call letters WBR, or New Orleans-call letters WEK.

Kingston, Jamaica-Palisadoes Airport Facilities: The Palisadoes Airport is a British Government controlled airport. The Government controlled tower transmits on 397 kcs only, and guards 2870, 3105. and 6210 kcs. It is necessary for all itinerant flights coming to Palisadoes to file Flight Plans from point of departure to the Communication Station at Kingston - call letters MRX. This Flight Plan should be marked for Information: Palisadoes Airway Traffic Control. The route frequency of 6515 kcs. A3emission is guarded at MRX. They have a good signal on this frequency and can be read consistently throughout the day and night in the Caribbean Area. Flight Plans may be filed for transmission to Palisadoes through the CAA operated Overseas Foreign Aeronautical Communications Station, WBR, Miami.

Trinidad Naval Air Station, B.W.I.: Effective June 16, 1947, Navy Squadron commenced conducting aerial gunnery from 1300Z to 2000Z daily except Sat. and Sun., until further notice. Surface craft and aircraft remain clear of area 1000N, 6045W, 1030N 6045W and 1000N. 6000W, 1030N, 6000W.

CUBA-Rancho Boyeros Airport, Havana: Effective May 19, 1947, and until further notice, all aircraft operating into and out of the Rancho Boyeros Airport must file flight plans prior to entering the area. This applies to both IFR and CFR flights. Form of flight plan as follows: Identification; type; route of flight; time of flight departure; time of minutes; altitude; CFR or IFR indicated by C or N respectively and alternate if necessary. Example: NC60459 DC3 Miami Havana 1230 92/60N KW. For trial period and until further advised all flight plans except Expreso and those presently using PAA communications facilities may be forwarded through WBR addressed to OAHAV at no charge.

GREECE-Hassani Airport, Athens Radio Call: Effective April 30, 1947, call sign WWJC replaced Army call sign WUCW on all circuits formerly using call signs at this station.

MEXICO-Mexican Entry Fees: At Mexican Airports of Entry, charges include an overtime fee of 30 pesos after 12 noon for Immigration Inspection and a fee based on a full day's wage for each inspector involved for each 3 hours of overtime or fraction thereof after 2 P.M. for a Customs inspection. Charges may also be made for a Customs guard to watch the plane and for the taxi fare to bring inspectors to the field after 12 noon. In American money total fees may approximate $15 to $20.

NEWFOUNDLAND-Military and Naval Landings: All military and naval aircraft landing in Newfoundland should use Harmon Field at Stephenville or Naval Operating Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

PUERTO RICO-San Juan Pre-Flight Clearances: San Juan Civil Air Terminal (U.S. Naval Air Station) Isla Grande Airport, San Juan, P.R. - All civil operations at San Juan Air Terminal were assumed by the Puerto Rico Transportation Authority effective March 4, 1947. Authority must be obtained for landings at this airport prior to the commencement of any flight. Address requests to Airports Division, Box 3508, San Juan, P.R. Cable address is "Autoritan"

San Juan, P.R.: Effective June 9, 1947, the seadrome landing lights were discontinued and the landing light buoys were removed from the bay of San Juan at the Naval Air Station, San Juan, P.R.

San Juan, Caguas: Radio antenna tower under construction unlighted until further notice, height 150', located 1-1/4 miles N of Caguas at latitude 18-15-20 N, longitude 66-1-53 W.

San Juan, Losey Field: May 1, 1947, Puerto Rico Transportation Authority took over the operation of Losey Field at Ponce. Operations at this field are restricted except in emergency to the southernmost 150' of the E/W runway - several bad holes on the northern half. NW/SE runway closed. Field available to daylight CFR operations only. (4-25).

San Juan NAS: Effective June 21, 1947, repairs to runway in progress. Runway will be restored to normal length of 5330 feet.

DOMESTIC DATA

[redacted]

ALA-TENN-GA ARPT (BRIDGEPORT)-Ctn in wet weather. (5-22)

ALBERTVILLE ARPT-SW side of strip soft, rough and washing. Soft in spots in wet weather. (4-29)

ALLENPORT ARPT (MONTGOMERY)-Muddy after rains. Use with ctn. (5-22)

ALABAMA:ATHENS ARPT-Ctn in wet weather. (5-22)
ANDALUSIA ARPT-Bare in spots. Ctn in wet weather. (5-22)
ANNISTON ARPT Ends of strips soft in wet weather. (4-29)
ATMORE FLYING SERVICE-Soft in wet weather. (5-22)
ATMORE INT, SITE 16, NO-AG-Emerg use only. (5-22)
BARIN NAAS EAST & WEST FLDS (FOLEY)-Closed to trans acft. (5-6)
BATES FLD (MOBILE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-18)
BEAVER DAM FLD (DECATUR)-Soft after rainy weather. (5-22)
BIRMINGHAM ARPT-Closed to civil acft not equipped with operating rcvr. No landings on sodded areas. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. (5-20)
BOYKIN FLD (DEMOPOLIS)-Cattle on fld. (5-22)
BREWTON ARPT, new-Cattle on fld. (5-22)
BROOKLEY FLD (MOBILE)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Soft-use rnwys, taxi strips only. (4-23)
**GADSDEN ARPT-Formerly carried as Camp Sibert (Attalla). (6-6). See page 116.
CENTRAL PARK ARPT (BIRMINGHAM)-Avail. lgt acft in all weather. (5-22)
CENTRE ARPT-NNW/SSE strip closed. N side E/W strip rough in wet weather. Avail. lgt acft only. (4-29)
CHASTAIN'S ARPT (PRICHARD)-Soft after rains. Shallow dip near center of E/W strip. (5-22)
CRAIG FLD (SELMA)-RADIO: Army DF stn inop. (12-20) FLD: Bndry lgts inop. (5-29)
CULLMAN ARPT-Soft in wet weather. (5-22)
DAVENPORT ARPT (FT. PAYNE)-Muddy in wet weather. S end rough. (5-22)
EUTAW ARPT-Use NW/SE strip only. (4-17)
FAYETTE ARPT-Avail. lgt acft only during wet weather. Trees and fone line at W end. (5-22)
FLINT CREEK ARPT (DECATUR)-Soft after rainy weather. (5-22)
GAINESVILLE INT, SITE 55, FV-AG-Emerg use only. (5-22)
GOODYEAR FLD (GADSDEN)-Soft in wet weather. Safe for lgt acft-land with ctn. (5-22)
GRAGG FLD, SITE 27, PS-TM (CLANTON)-Ctn in wet weather. (5-22)
GREENVILLE ARPT, SITE 24, NO-AG-Soft after rains around arpt circle on N/S strip. (5-22)
**GULFSTEEL ARPT (GADSDEN)-Formerly carried as Gadsden Arpt. Operations moved to Gadsden Arpt (the former Camp Sibert Fld). See page 116.
GUNTER FLD (MONTGOMERY)-Use rnwys only. Sod areas adj rnwys and taxi strips soft. Use Maxwell Fld for trans svcg. (1-10)
GUNTERSVILLE DAM ARPT-Soft spots at ends. (5-22)
HARTSELLE ARPT-Use W side fld. Avoid E side. E half of strip has small depressions extending from S end for approx 600' toward the N. Small area at SW portion fld soft after rains. (5-22)
HUNTSVILLE ARPT-Sod strip rough at rnwy crossings. Ngt approaches use ctn-hills NE, S, E. (4-29)
**HUNTSVILLE ARSENAL ARPT-Bcn, rnwy lgts, tetrahedron wind indicator avail. (6-5) See page 90.
JACKSON FLD (LIVINGSTON)-Rolling and slightly rough. Soft spots along N side at SW end. (5-22)
LEGION FLD (MONROEVILLE)-Do not confuse golf course fairways with landing strips. (5-22)
LUVERNE ARPT-Ctn in wet weather. (5-22)
MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi S looks like arpt and lgts give impression of parallel rnwys. (10-17)
McKEE FLD (JACKSON)-Soft after rains. Not licensed. Use at own risk. (5-22)
MOTON FLD (TUSKEGEE)-Use with ctn in wet weather. Soft and rutted spots along E side. (5-22)
NAPIER FLD (DOTHAN)-Avail. civil acft in emerg only. Obst lgt atop 175' water tank inop. (1-12)
NORMAN BRIDGE ARPT (MONTGOMERY)-Muddy after rains, but not soft. (5-22)
NORTH SAUTY BASE (SCOTTSBORO)-SSE end soft in wet weather. (6-22)
OAK ARPT (FOLEY)-W end E/W, N end N/S strips soft in wet weather. (5-22)
ONEONTA ARPT-N 800' strip wet, soft and rough. Unsrviceable in wet weather. (4-29)
PRYOR FLD (DECATUR)-Rough spots around wind sock, mrkd. (5-22)
ROBERTS FLD (BIRMINGHAM)-S side fld avail. during wet weather. (5-22)
RUSSELL FLD (ALEXANDER CITY)-Washes on S edge near W end E/W strip, mrkd. (5-22)
SOCTTSBORO FLYING SERVICE-Soft in extremely wet weather. Rough spots on SE corner. (5-22)
SOUTHERN AIRMOTIVE ARPT (DOTHAN)-Twr 3/4 mi W. (5-22)
STROTHER FLD (GASTONBURG)-PRIVATE. Cattle on fld. (5-22)
TALLADEGA ARPT-N 700' N/S strip soft in wet weather. (5-22)
VALLEY AIR SERVICE (LANETT)-Soft after rains. (5-22)
VAN DE GRAAFF ARPT, SITE 59, FV-AG (TUSCALOOSA)-Heavy acft avoid extreme NW and SW corners of fld after heavy rains. (6-3)
WALKER CO. ARPT (JASPER)-Land inside of bndry mrkrs. Avoid new landing strip now being graded. (5-22)
WEEDON FLD (EUFAULA)-Trees in W approach. (5-22)
WINFIELD ARPT-In wet weather avoid S end N/S strip-soft. (5-22)
**WOLF OLF (ELBERTA)-Formerly carried under Josephine. (3-27)
WOOD-DEARING ARPT (RUSSELLVILLE)-Muddy in wet weather; safe for lgt acft, but land with ctn. (5-22)
ARIZONA:ASHFORK INT, SITE 36A, LA-AQ-Center 100' of strips rough, rocky, bal fld hazardous-grass,hills. (3-4)
DAVIS-MONTHAN FLD (TUCSON)-E fld closed-acft parked on rnwys. Blinding ceilometer W end fld between ends of NW/SE, E/W rnwys. (6-17)
DEEP LAKE INT, SITE 54A, LA-AQ-Avail. emerg use only-soft. (3-4)
DOWNTOWN ARPT (TUCSON)-Rnwy 30 lgtd ngts for 2 weeks per month from 1900 to 2300 for pilot training. Only obst lgts are those in line with lgtd rnwy. All ngt training flights will operate S of arpt. (5-27)
**FT. HUACHUCA-Lat 31-33-00, long. 110-18-30.
HOLBROOK INT, SITE 51B, LA-AQ-Equip. on fld daylgt hrs. (5-10)
KINGMAN AAF-No inst flights cleared to Kingman. No obst lgts atop Haulpai Mtn (8500' MSL) 11 mi S. (3-10)
LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. No ngt opers. (3-13)
LUKE FLD (PHOENIX)-Traffic direction indicator on second hangar from N inop. Traffic direction indicator S end N/S rnwy free-swinging. (1-7)
NOGALES INTERNATIONAL ARPT-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld avail. cross wind landings. (5-5)
PHOENIX-Inst. train. on Phoenix Range between 5500' and 9500'.
RYAN FLD (TUCSON)-Suitable for landing by all lgt acft up to and including Twin Engine Cessna, AT6, etc. Heavy acft use rnwys in wet weather. (4-28)
SKY HARBOR ARPT (PHOENIX)-Local ngt flying acft must be equipped with 2-way rdo. Equip. near Rnwy 12. Installation of ILS in progress off end of Rnwys 26 and 8. (5-25)
THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft).
TUCSON ARPT-Soon fld will not be lgtd. Acft desiring to use fld after dark shall give 2 hrs advance notice in order that lgts may be turned on. (5-8)
**VERDE VALLEY (COTTONWOOD)-ABANDONED. (1-2)
WILLIAMS FLD (CHANDLER)-RADIO: Army range unreliable and to be used for training only. (6-3) FLD: Use rnwys only.
WINSLOW-RADIO: Soon, VAR W fac will be comm at lat 35-03-29, long. 110-47-46. Freq. 108.7 mcs. Ident. "WO". Visual courses: 20°, 201°; aural courses: 111°, 291°. Voice fac will be added at a later date. This corrects AIRGI Vol. 2, No. 4. (5-24)
WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed (flood damage).

[redacted]: Equip. on fld days. (5-27)
YUMA COUNTY ARPT-Parking rstd to W side fld. (5-28)
[redacted]:BIGGERS ARPT-Use strips only-cattle on fld. (4-25)
EL DORADO-RADIO: Ctn - VHF rng unmonitored. (4-10)
EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg only. (1-10)
ERWIN FLD (NEWPORT)-Use rnwys only-cattle on fld. (4-25)
FORT SMITH ARPT-Taxi strips connecting E/W rnwy with Admin bldg closed to all acft of 5000 lbs or more. W end NE/SW rnwy from intersection W closed, mrkd. Bndry lgts this area inop. (4-6)
GRIDER FLD(PINE BLUFF)-Closed ngts. (3-11)
HOPE ARPT-Use rnwys only. (4-9)
HOT SPRINGS MEMORIAL FLD-Use ctn when landing and taking off. Soft sod in wet weather. (5-15)
JONESBORO ARPT-Use rnwys, taxi strips only. (1-10)
LEVEE FLD (WEST MEMPHIS)-Ctn when wet. (9-23)
LITTLE ROCK-RADIO: Stn guards 3117.5 kcs 2200 to 0600.
LUXORA INT, SITE 39, NO-LS-30' unlgtd pole line being erected S end N/S rnwy (9-27)
MANILA ARPT (BLYTHEVILLE)-Use SW quarter of fld only. (4-25)
McGEHEE ARPT-Cattle on fld intermittently. (9-6)
MILLTOWN ARPT (NEWPORT)-Use rnwys only-cattle on fld. (4-25)
PINE BLUFF-RADIO: Ctn - VHF range unmonitored. (4-10)
PRAIRIEVILLE ARPT (STUTTGART)-Ctn on taxiways.
THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only, fld soft and rough. (3-17)
WALCOTT FLD NO. 3 (WALNUT RIDGE)-Use rnwys only-cattle on fld. Soft-heavy acft use ctn. (4-25)
WALNUT RIDGE ARPT-Acft parked all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0800. NE/SW rnwy closed. (3-17)
[redacted]: ALAMEDA NAS-Maintain high approach on Rnwys 26L and 21. Heavy acft parked these areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility. Equip. adj to and on rnwys. Fld on positive control. (4-16)
★ARCATA-RADIO: Range freq changed to 209 kcs June 12.
AUBURN-RADIO: Hourly weather reporting and teletype services will be discont about June 25. (6-21)
BAKERSFIELD-KERN CO. ARPT-Unlgtd 92' pwr line 1/2 mi N of bndry. (2-21)
BAY MEADOWS ARPT (SAN MATEO)-Const on rnwys and taxiways. Rnwy 31 usable in all weather for acft up to 10,000 lbs. Taxiways should be used with ctn during winter months. When taking off on Rnwy 31, make a climbing turn of 45° to the right after crossing 19th Ave., but not lower than 200'. When landing acft turn off rnwy toward nearest taxi strip. No taxiing back on rnwy. (5-19)
BLYTHE AAF-Obst lgts atop control twr inop. (2-28)
BORDERLAND FLD (SAN YSIDRO)-Target drone Unit 36 conducting flights between 0900 and 1600. (1-31)
BRAWLEY ARPT-Holes in extreme NW corner fld. (1-10)
BRESSON ARPK (BLYTHE)-Soft spot W side N/S strip. (5-30)
BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs)
BURBANK-RADIO: Rng flgt-checked June 11, courses correctly aligned.
BURBANK-LOCKHEED AIR TERMINAL-Closed to all trans P-80 acft except on special projects for modification that stn. Right traffic Rnwys 7,15; left traffic Rnwys 25, 33. Approach lgts Rnwy 7 changed to red. 2-way rdo rqrd all acft. Rnwy 13-31 closed (parked acft). (6-23)
CAL AERO ARPT (CHINO)-Use rnwys only-parked acft. (3-24)
CAMARILLO-VENTURA CO. ARPT-Use rnwys, shoulders only. Taxiways and bldg area closed. (4-28)
CANNON FLD (FRESNO)-Will be perm closed soon. (4-3)
CASTLE FLD (MERCED)-No opers office. (3-24)
CATALINA ARPT(AVALON)-Private arpt. Scheduled Airline opers only. Use by acft other than UAL absolutely prohibited. (3-20)
CLEAR LAKE SEAPLANE BASE-Avail. emerg only. (6-11)
COALINGA ARPT-NW 1500' NW/SE strip rutted. Shoulder adj to inside of strip [redacted]: avail. for taxiing. Left traffic at 500'. (5-20)
COMMERCIAL ARPT (LOMPOC)-Strips unusable. (5-30)
COMPTON CENTRAL ARPT (COMPTON)-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (1-21)
CORCORAN-135' unlgtd twr being const adj Santa Fe Railroad, downtown Corcoran Upon completion will be 148' high and lgtd.
COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (2-27)
CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs)
DAGGETT INT, SITE 13, LA-AQ-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. Areas immediately outside bndry lgts utilized for sto. Remain on rnwys unless in vcnty of bldgs N of intersection Rnwys 3,7. (3-13)
DEATH VALLEY NATIONAL MONUMENT (FURNACE CREEK)-All traffic away from mountain side of strips regardless of wind. (5-21)
DEL MAR ARPT-Right traffic at 800' with prevailing westerly winds. (5-21)
DESERT CENTER INT, SITE 17, LA-PH-E/W strip emerg use only. (3-31)
EL CAJON ARPT-Right traffic when landing and taking off to the E. (3-26)
EL CENTRO NAS-Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. Tetrahedron lgtd all times. (5-22)
FAIRFIELD-SUISUN AAF-RADIO: Army rng unreliable, use for homing only. (6-5) Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: First 1000' Rnwy 25 open to acft days and CFR opers only. (6-5)
FILLMORE ARPT-Private fld. Acft parked adj to strip. Expected to be open to public soon. (3-20)
GILLESPIE ARPT (EL CAJON)-Use E/W rnwy only. Right traffic when landing and taking off to the W. (3-26)
GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. Closed ngts (lgts inop). (1-28)
HAMILTON FLD (SAN RAFAEL)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Exten to Rnwy 12 closed except in emerg. (10-18)
HARMON FLD (HEMET)-Traffic pattern 2200' indicated or 600' above ground. Left traffic when landing or taking off to the NE-right when landing or taking off to the SW. All flying under supervision of arpt manager at all times. (3-19)
HASTER FARM OLF (GARDEN GROVE)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Arpt. (3-26)
HOBERT ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)
HOLTVILLE ARPT-Closed-emerg use only.
HORSE FARM OLF (LOS ALAMITOS)-Closed to all civil acft except in emerg or by approval of the CO, NAS Los Alamitos. (4-9)
HUGHES ARPT (CULVER CITY)-Closed to public use except in emerg. (5-2)
HUMBOLDT CO. ARPT (EUREKA)-25' telephone wires NW and NW/SE rnwy, 100' back from end of rnwy. Right traffic pattern. (5-5)
★INYOKERN-RADIO: June 13, a Navy MRLWZ rng comm and flgt-checked at lat 35-44-30, long. 117-40-30. Courses: 74°, 169°, 254°, 349°. Oper cont. See page 76. FM on the E course of the Inyokern Navy rng comm June 20; 255°, 6.7 mi. Ident one dash. These data rcvd too late for chart and data page. FM on the S course will be comm soon. (6-21)
★★LIBERTY FLD (ROSAMOND)-ABANDONED. (6-12). See page 98.
LINDBERGH FLD (SAN DIEGO)-Right traffic Rnwys 27 and 31; left traffic Rnwys 9 and 13. (6-19)
LIVERMORE OLF-Avail. emerg use only. (10-1)
LIVERMORE SKY RANCH ARPT-Avail. lgt acft only, except in emerg. (2-18)
LOCKHEED AIR TERMINAL-See Burbank.
★★LODI MUN. ARPT-Lat 38-05-30, long 121-21-15. See page 72.
LONG BEACH ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for

CALIFORNIA: mobile ground traffic. (3-20) FLD: Ltd maintenance and fuel supply Army acft. (6-9)
LOS ALAMITOS NAS (LONG BEACH)-Closed 1630 to 0800 except in emerg or by prior arrangement. (4-9)
LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl area from 2000 to 2300 daily. (7-26)
★LOS ANGELES ARPT-RADIO: Outer and middle mrkrs of CAA ILS relctd June
** 14. See page 138. Localizer relctd, flgt-checked and recomm, lctd 1030' W of Rnwy 7R . Glide path resumed oper. Lclzr and middle mrkr unmonitored. (6-14) FLD: Obst lgts installed atop 25' bldg 1030' W Rnwy 7R. (6-16). Ctn approach to Rnwy 29-two 25' poles at arpt bndry within this approach zone, unmrkd, unlgtd. Parked acft within approach zone to and parallel with S side Rnwy 29. Unlgtd oil derricks on approach to Rnwy 34. E/W paved strip S side fld avail. taxiing only. N side fld under const. Equip. on fld. All landings. take-offs and taxiing rstd to paved areas. Rnwy 4-22 closed. Unlgtd 40' pole 350' S of twr. (6-16)
LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs advance notice should be given if possible. (7-1)
MACHADO ARPT (SANTA MARIA)-Use strips only. (2-23)
MARCH FLD (RIVERSIDE)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 7-25 closed-avail. on twr permission. only. (1-8)
MARTINEZ ARPK-Unusable during rainy weather. (5-26)
MATHER FLD (SACRAMENTO)-Use rnwys only-mat unserviceable. (1-29)
McCLELLAN FLD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders, unsurfaced areas unsafe. (4-23)
MERCED MUN. ARPT-Daylgt oper of bcn is to warn local and trans acft of approaching airline acft. Ctc, approach lgts inop. Equip. on fld adj E/W, NW/SE rnwys 0800 to 1700, mrkd. (6-19)
MILE SQUARE FARM OLF (SANTA ANA)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
MODESTO ARPT-Range lgts being installed across rnwy ends. Const and soft spots, mrkd. (3-28)
MOFFETT FLD NAS-LTA-HTA (MOUNTAIN VIEW)-Fld on positive control. Multi-engine acft above JRB class use Rnwy 14L-32R only, except in emerg. N connecting taxiway closed to all traffic. (6-17)
MOJAVE NAS-Closed to all acft except on off. bus. (5-21)
MONACHE MEADOW LANDING STRIP (OLANCHA)-Strip maintenance uncertain-ctn. (5-30)
MONTEREY PENINSULA ARPT-Right traffic Rnwys 24, 28; left Rnwys 6, 10. (5-20)
MUROC AAF-RADIO: Army range unreliable and to be used for homing and training purposes only. (6-9) FLD: Lctd within a danger area. No facs 1900 to 0700 or Suns. Closed to all trans acft except on written permission Commanding General, Air Materiel Command. Acft will not carry trans passengers to this fld. (3-7)
NEEDLES ARPT-Wind cone inop. (6-21)
★NEWHALL-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. Rng flgt-checked, courses correctly aligned.
NEWHALL INT, SITE 3A, LA-SF-No fuel. (5-30)
OAKLAND ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for moving ground traffic. (6-13) FLD: Rock surface area adj to Rnwy 27R avail. small acft. Adhere to instructions issued by twr. Maintenance facs avail. 0800 to 1800. Closed to acft not equipped with two way rdo except acft may land for repairs or fuel without rdo on permission from arpt supt. Rnwy 6-24 avail. lgt acft only. Taxiway leading from Rnwy 33 to Navy ramp closed. Equip. on E/W taxiways and parking apron sealing expansion joints. Heavy acft use rnwys, taxi strips only. Arpt channel unmrkd day, ngt. (5-13)
O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only, muddy when wet. (5-19)
OXNARD-VENTURA CO. ARPT-Bndry lgts inop. Const, equip. on fld days. Use rnwys, taxiways only. (4-28)
PALM SPRINGS ARPT-Right traffic, all take-offs and landings on Rnwys 31,35. Rnwys 13,17 usual left. (5-17)
PLUMAS CO. ARPT (BECKWOURTH)-Use rnwys, taxi strips only-turf rough. (6-2)
RED BLUFF-RADIO: 116.1 mc transmitter and rcvr temp inop. (6-21). These data rcvd too late for (Q) symbol.
REDWOOD FLD (ARCATA)-Closed to acft without 2-way rdo. Use surfaced areas only. (3-25)
SACRAMENTO ARPT-Use rnwys, taxi strips only-shoulders and fld acft. Unsafe small acft-rough. (2-21)
SAN CLEMENTE ISLAND OLF-Closed except in emerg. (6-3)
SAN DIEGO-Night fighter training being conducted within the following described areas: (a) A sector of a circle with radius of 40 mi centered at lat 32-54-30, long. 117-07-24 extending clockwise between lat 32-20-00, long. 117-03-20 and lat 33-18-20, long. 117-37-30, excluding those portions which lie within the confines of civil airways and S of the U.S-Mexico bndry. (b) A sector of a circle with radius of 40 mi centered at lat 32-54-30, long. 117-07-24 extending clockwise between lat 33-23-30, long. 117-29-30 and lat 32-50-30, long. 116-26-30, excluding those portions which lie within the confines of civil airways.
SAN DIEGO NAS-Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing thru Point Love (black and orange checkered floating pyramid) unless directed by twr. Point Love (black and orange checkered floating pyramid) is lctd 1-1/2 mi S of Hotel Del Coranado. Acft crossing air traffic lanes at North Island must be above 1500'. Acft will not fly over Coronado or Amphibous Training Base at an alt of less than 1500'. Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (6-3)
SAN FRANCISCO-RADIO: Effect July 1, Overseas Foreign Aeronautical Commuss Stn KSF will perm discont use of voice freq 4220 kcs send-receive and activate in its place voice freq 5165 kcs send-receive. Thereafter pilots radiotelephone service at KSF rdo San Francisco will be maintained on VHF 116.1 mcs and 5165 kcs. Pilots radiotelephone service on 2870 kcs send-receive will continue to be maintained for seaplanes only.
SAN FRANCISCO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-3) About Aug 1, CAA ILS will be comm serving E/W rnwy with approach from E. Lclzr freq. 109.5 mcs with ident. "SF", transmitter lctd 220' from W end of E/W rnwy. Glide path freq 332.6 mcs, transmitter lctd 550' from E end E/W rnwy and 625' N of rnwy centerline. Outer mrkr will be lctd 6.6 mi from E end of E/W rnwy, keyed 2 dashes per second, inner mrkr will be lctd 4550' from E end of E/W rnwy, keyed with alternate dots and dashes. No bndry mrkr. Will oper cont. (5-14). This corrects AIROI Vo. 2, No. 4 FLD: Avoid rnwy, taxiway shoulders. Turf area closed, unmrkd hazards. Use rnwys, taxiways. Equip. extreme E end Rnwy 10-28. E 2000' Rnwy 10-28 closed for landing acft days only. (6-2)
SAN FRANCISCO CGAS-Seaplane harbor, channel and landing area unmarked day or ngt. Facs avail., but unmrkd. Seaplanes landing can be taken care of either at Coast Guard or PAA. (3-22)
SAN MATEO ARPT-Avail. lgt acft only-const. (2-24)
SAN NICOLAS ISLAND OLF-Use in emerg only (caretaker status-no facs)
★SANTA BARBARA-RADIO: Voice feature comm on VHF range June 11.
SANTA BARBARA ARPT-Equip. on fld. Closed to glider opers. (6-14)

CALIFORNIA:SANTA MONICA ARPT-CLOVER FLD-Avail. trans acft with 2-way rdo. Closed ngts and to all student pilots. (5-6)
★SAUSALITO-RADIO: FM decomm June 10.
SHASTA SKY RANCH ARPT (FALL RIVER MILLS)-Approx 1/3 of the main strip has been gravelled and should be used during the winter months. Medium and large acft avoid during the spring thaw. (5-26)
SHERMAN FLD (WALNUT CREEK)-NW/SE strip closed until July 1. Equip. adj to NNE/SSW strip. (5-6)
SHERWOOD FLD (PASO ROBLES)-40' unlgtd wires E end E/W strip. (3-17)
STOCKTON ARPT-Rnwy 4-22 closed. Taxi lgts inop. No 100 oct. Single ended bcn operating without course lgts. (5-11)
SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer NAAS Ream Fld. No communications at landing strip. (12-5)
TEMPLETON MEADOW FLD (OLANCHA)-Unusable. (5-30)
★TERMINAL ISLAND NAS (SAN PEDRO)-RADIO:Navy twr decomm. These data
** rcvd too late for data page and chart. (6-21) FLD: No lgts or svcg.(6-4) See page 138
**THREE RIVERS ARPT-Lat 36-27-00, long. 118-53-45. See page 76.
★TRONA-RADIO: June 13, SMRAWZ fac discont.
TRONA ARPT-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly hndry lgts. (3-7)
TUNNEL LANDING STRIP (OLANCHA)-Strip maintenance uncertain- ctn. (5-30)
VAN NUYS METROPOLITAN ARPT-Avail. civil acft providing they have off. bus. with one of the acft companies lctd on fld. Acft without radio may enter providing previous arrangements have been made with twr. (12-5)
VERNALIS FLD-CLOSED. (1-14)
VICTORVILLE AAF-Use Rnwys 16L-34R, 7R-25L,3R-21L, only. (5-13)
VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (3-25)
WARM SPRINGS ARPT-Heavy acft avoid fld during rainy weather. Glider opers with plane and auto tows. Tall grass and equip. on fld. (3-14)
[redacted]:BUCKLEY FLD (DENVER)-RADIO: 126.18 mc transmitter temp inop.(4-7) FLD:No lgts, messing, transportation or lodging facs. (4-5)
CRESS FLD (WESTCLIFFE)-Use rnwys only. (2-19)
FLAGLER ARPT-Avail. ski-equipped acft after heavy snow. (2-19)
FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy. (0 -29)
LOWRY FLD (DENVER)-Equip. on fld 0600 to 1700 Mon thru Fri. (4-11)
**MONTROSE ARPT-Fld closed. (6-4) See pages 34 & 80.
PINE VALLEY ARPT (COLORADO SPRINGS)-All rnwys avail. between mrkrs only. Use rnwys only. (6-13)
PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 38-17-26; S by lat 38-16-19; W by long 104-18-38; E by long 104-17-40.
PUEBLO ARPT-Rot. bcn atop hangar when lgtd indicates fld closed except to scheduled air-carrier acft. NW/SE rnwy unlgtd. NE end NE/SW rnwy designated as calm wind rnwy. Tetrahedron modified to automatically chose the calm wind rnwy when wind velocity below 7 mph. All acft land, take-off according to the tetrahedron. (3-24)
RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (1-17)
ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (fone lines). (6-14)
RUSTON FLD (DENVER)-Strips soft during wet weather. NE/SW strip closed. (6-6)
RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.
SALIDA ARPT-Landings should ordinarily be made to the W and take-offs to the E. (6-13)
SKY RANCH ARPT (DENVER)-Right traffic Rnwys, 36,30,36; left traffic Rnwys 6,12 18. Traffic controlled by tetrahedron. Avail. CFR oper days only. (6-13)
TRINIDAD ARPT-Strips avail. lgt acft. (3-21)
WALKER FLD (GRAND JUNCTION)-Heavy acft use rnwys only. (6-18)

[redacted]:BRAINARD FLD (HARTFORD)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-16) FLD: Equip. on fld intermittently. 300' bldg under const 1-1/2 mi NW fld bndry, close to the NW leg Hartford Range. Flood lgts N end N/S rnwy inop. Eleven street lgt poles erected W side fld, unlgtd. Lgts approx 12' below top of poles. (6-2)
BRIDGEPORT APRT-Use rnwys only. Exten local traffic days. Acft landing without establishing rdo commune with twr must conform to local traffic pattern. Observe twr at all times for lgt gun signals especially on base leg and final approach. Clear rnwy toward twr immediately after landing. All acft without rdo commune with twr should determine proper rnwy and taxi route from twr or opers prior to taxiing. (6-10)
BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans student pilots. Const N and S ends of fld and on taxiway between fld and shop.(4-21)
DANBURY-SPECIAL NOTICE: Danbury Fair Inc. operating a search lgt at Danbury Speedways every Sat ngt thruout the summer season. (5-27)
HAMMONASSET FLYING FLD (MADISON)-Use NE/SW strip. E/W strip avail. in emerg only (bldgs, hedges on W bndry). (5-5)
HARTFORD-RADIO: Auto. range monitor. sys inop. (9-30)
KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only. (4-21)
NEW HAVEN ARPT-Avail. days only. Use rnwys only. No local take-offs or landings during airline arvls and dptrs when signalman stationed at approach end of rnwy being used, displaying red flag. (4-21)
RENTSCHLER FLD (EAST HARTFORD)-Pile driver moored in Conn. Riv. with Obst lgts 130' MSL, 1/2 mi SW fld. (6-2)
SOUTHINGTON ARPT-Right traffic when taking off and landing to the E and SE (4-25)
STEPHENSON ARPT (BRISTOL)-S 350' N/S strip being graded. Equip. and rough area mrkd, bal rnwy avail. lgt acft. (4-21)
TRUMBULL FLD (GROTON)-Water twr being const atop hill 1 mi NW. 107' derrick being used during const, unlgtd. (5-19)
WATERBURY ARPT (PLYMOUTH)-Muddy with scattered puddles-avail. with ctn. (3-11)
**[redacted]ELAWARE CAPE HENLOPEN-Over-water danger area described as follows: sector of a circle of 35,000 yds. radius between 170° true and 110° true originating at lat 38-46-25, long. 75-05-06, has been discont.
**DOVER ARPT-1,4 ENE-ABANDONED. (5-5)
**DOVER AAF-Bcn, obst lgts oper cont. (5-22) See page 66.
**GEORGETOWN ARPT-Will hereafter be carried as Sussex Co. Arpt (Georgetown)
★NEW CASTLE CO. ARPT (WILMINGTON)-RADIO: Priv. twr now transmits on 219 kcs.,118.5,126.18 mcs. (6-9) FLD: Use rnwys only. Equip. on fld days.(3-14)
**REHOBOTH BEACH AIRCRAFTERS-Will hereafter be carried as Rehoboth Aircrafters (Rehoboth Beach). See page 66.
DIST. OF COLUMBIA:SPECIAL NOTICE-See item under Alexandria Arpt, Va.
SPECIAL NOTICE: The Administrator of Civil Aeronautics has designated the Mt. Vernon National Monument a congested area. In accordance with C.A.R. 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat 38-42-40,long.77-05-30.
SPECIAL NOTICE-TELEVISION TWR 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL AIRPORT, LAT 38-53-46, LONG 77-08-05. (3-22)
ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of two hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd. (3-12)
BOLLING FLD (WASHINGTON)-Rnwys 10-28,14-32 closed. Rnwy 17-35 closed to acft when weather minimums below ctc flight minimums. Rnwy 2-20 avail.(3-12)
WASHINGTON NATIONAL ARPT-RADIO: GCA will be in oper effect, June 1, 24 hrs daily for pilot training only during CFR conditions and when approach control is not in oper. Only 1 acft can be handled at a time due to shortage of control personnel. GCA not avail. for emerg use. Contact twr for GCA working freq. (5-30) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. Following instrument landing minimums have been established for all Army traffic except scheduled ATC flights. Day and night: Form 8 white card holder 800' and 1mi.

[redacted] Form 8A greencard holder- 500' and 1 mile. Army acft landing this arpt will not use B channel VHF to ctc twr for landing and take-off instructions. B channel VHF will be used in case of emerg only. (1-16) FLD: 315' twr Rdo Stn WOOK under const 7 mi NNE (10° true). (4-16) ARMY: Use of this arpt by Army acft is prohibited except for: (a) Scheduled ATC traffic. (b) Landings and take-offs necessary for overseas flights using customs and immigration clearance facs of aerial port of embarkation. (c) Flights transporting VIP and General Officers above grade of Maj. Gen, as well as officials in similar or corresponding category of executive branches of Gov't who may be using Army acft. Army acft authorized above to use arpt will be manned by fully competent crews who are well versed in air traffic control procedures peculiar to Washington Area. Army acft landing this fld should taxi to new ATC Terminal Bldg N of Admin Bldg. NAVY: Closed to Navy acft except NATS. Use Anacostia NAS. In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. GENERAL: Closed to acft without rdo. Stay on paved areas-shoulders soft. Equip. on fld. Parking area ltd-turf soft. At times pilots of private acft will be unable to secure parking space. Lgtd trailer 500' W of centerline of N/S rnwy at N end. (2-15)

[redacted]:AIRPARK (PENSACOLA)-Formerly carried as Gulf Airpark. (6-17) See page 130.

ALBERT WHITTED ARPT (ST. PETERSBURG)-Use rnwys only-soft shoulders. Stacks 1/4 mi SW. (4-26)

ALLIANCE AUX FLD NO. 4 (MARIANNA)- CLOSED. (6-12) See page 130.

**AVIATION CENTER ARPT (LEESBURG)-Formerly carried as Leesburg Aviation Center. Use rnwys only- sand soft. (5-22)

BANANA RIVER NAS-RADIO: Navy exper. VHF rnwy localizers and various types of ILS operate intermittently day, night. Navy exper rdo bcn, 414 kcs, ident. "BR", A-2 and A-3 emission, oper intermittently, day, night. (2-27) Exper flights conducted down to weather minimums of 300' ceiling and 1 mi visibility with ATC clearances. Heavy training traffic in both land and seaplane areas, day and ngt week days only. All civil acft warned to stay clear of air space reservation which includes area 20 mi radius from the NAS. (3-12)

BANANA RIVER NAS SEAPLANE BASE-Seaplane landing area avail. W of stn on Banana River. Wind line consisting of five green lgts on lctn in center of area ngts when training is scheduled. Avail. at all other times on one hrs notice. (4-10)

BOCA RATON AAF- Closed to all trans mil acft except on off. bus. or in emerg. Port floods avail. on 15 minutes notice. Stay on rnwys - shoulders soft. (6-9)

BRONSON FLD NAAS (PENSACOLA)-Inactive - no facs (4-9)

BROWN FLD (MIAMI)-N/S, NW/SE rnwys under const. (5-18)

BUNNELL ARPT-Cattle on fld. (5-19)

CANNON MILLS ARPT (ORLANDO)-N,NE,NW,E use right traffic. S,SW,SE,W use left traffic. (5-27)

**CARLSTROM ARPT (ARCADIA)- ABANDONED. (6-17) See page 134

CECIL NAAS (JACKSONVILLE)- Equip. on fld. (5-19)

CEDAR KEYS ARPT-Use rnwys only. (5-19)

CHAPMAN FLD (MIAMI)-Closed to trans acft ngts. (1-29)

**CHIPLEY MUN. ARPT- Lat 30-45-00, long 85-30-00. See page 130.

CITY AIR PARK ARPT (PANAMA CITY)- NE/SW strip under const. Not to be Used except in extreme high wind (short, wires at NE end). (1-6)

DALE MABRY FLD (TALLAHASSEE)- 26' unlgtd bldg 900' NW of NW end NW/SE rnwy. Observe twr E side fld for lgt signals. Bcn atop water tank S of fld inop. Unlgtd hangar N side fld. (5-7)

DAYTONA BEACH ARPT-Lgtd tetrahedron S side fld inop. Use lgtd wind tee SE of Admin Bldg. (5-8)

DINNER KEY CGAS (MIAMI) - Landing facs avail. in emerg or off. bus. (10-10)

**DORR ARPT (ARCADIA)- ABANDONED. (6-17) See page 134.

*[redacted]:DRANE FLD (LAKELAND)- Formerly carried as Lakeland AAF (1-16) See page 134.

DREW FLD (TAMPA)-Use rnwys only. Equip. along outer edges of N and S ramps mrkd. Ditch along outer edge of N and S ranps, mrkd. Avail. to rdo rcvr equipped acft tuned to twr freq. (6-20)

EGLIN FLD (VALPARISO) -RADIO: Army ILS to be reactivated soon. (6-11) FLD: Acft approaching fld will enter area along right edge of S leg Crestview Range. (1) Acft on CFR will fly 3000' or 500' below the ceiling, whichever is lower, until cleared by Eglin Twr. (2) Acft on IFR will enter at last assigned airways cruising alt and ctc Eglin Twr for let-down instructions. Exten const. (6-11)

**ELLIS ARPT (MARIANNA)- CLOSED (6-12) See page 130.

ELLYSON NAAS (PENSACOLA)- Inactive - no facs. (4-9)

**FORT LAUDERDALE ARPT-Carried incorrectly as West Prospect Arpt. in Vol. 2 No. 5. See page 136. Const. Fifty acres being cleared, graded and paved at the E side of the fld. Taxiway being const parallel to the NW/SE rnwy. NW/SE rnwy being extended at the SE end. (6-3)

**FORT LAUDERDALE NAS-CLOSED.

GILBERT FLD (WINTER HAVEN)-Use rnwys only. (4-17)

HILLSBOROUGH ARPT (TAMPA)-E/W rnwy avail. lgt acft only. Sinkhole 100' E of intersection filled with sand. Other rnwys and taxiways usable. (5-19)

HOMESTEAD ARPT-Landing fee all acft. (3-12)

**JACKSONVILLE - (A) Large danger area for bombing, rocket firing, strafing and instrument flying has been established in the vicinity within the following described area: beginning at lat 30-19-20, long. 81-38-10; SE to lat 30-10-45, long. 81-35-00; S to lat 29-55-00; W to long 81-55-00; N to lat 30-03-00; W to long 82-20-00; N to lat 30-22-00; E to lat 30-21-10, long 81-50-00; SW to lat 30-18-40, long. 81-52-40; SE to lat 30-12-45, long. 81-45-30; NE to point of beginning. (B) 8 circular danger areas encompassed by the above area have been discont.

JACKSONVILLE ARPT NO. 1-Operating of private acft between sunset and sunrise rstd to acft equipped with functioning rdo transmitter and rcvr. Between sunrise and sunset such acft shall be equipped with at least functioning rdo rcvr unless exceptions granted by Chief Arpt Traffic Controller. (3-25)

JACKSONVILLE NAS-Trans seaplane acft desiring ngt facs notify Jacksonville NAS 12 hrs in advance. (5-22)

JASPER ARPT-Cattle on fld. (5-19)

KEY WEST NAS-Closed between sunset and 0730 except by prior notification or in emerg. (2-4)

KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (4-10)

LAKE BUTLER OLF-Cattle on rnwys. (5-22)

LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500'. Prevailing wind E to SE. (1-22)

★MacDILL FLD (TAMPA)-RADIO: Army ILS (SCS-51) now operates from 0800 to 1700 and is avail. on 30 minutes call 1700 to 0800. (6-9) Effect. Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Skeet twr E of rnwy 22 removed. Rot. split type bcn Installed on water twr. Rnwys 13L-31R and 9-27 are taxiways only. (6-4) Rnwys 4-22, 13-31, 18-36 avail. Rnwy 18-36 closed ngts. GCA equip. 3000' from end Rnwy 22R, lgtd. Rnwy 4R-22L closed. (5-21)

**MALONE AUX FLD NO. 2. (MARIANNA)- CLOSED. (6-12) See page 130.

MASTER NAS (MIAMI)- Closed thirty min after sunset until 0700. Extreme ctn- heavy traffic. Northernmost E/W rnwy closed (equip., Parked acft). (1-8)

MAYPORT CGAS - Closed to all traffic except Air Sea Rescue and emerg landings (caretaker status - no facs). Rnwys 32,36 under const-closed. (3-11)

MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks 400' E of S end Rnwy 4-22. Obst lgts atop old control twr inop. (6-17)

FLORIDA :MIAMI-RADIO: Federal Communication Comm. Fld Unit Direction Finding Aids inop (being relctd.) (5-5)

MIAMI INTERNATIONAL ARPT-AAF-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-25) FLD: Domestic non-scheduled acft taxi to old Army Terminal Bldg SE side fld upon arvl and prior to dptr and register with Ramp Supervisor. Scheduled air-carriers and International Acft requiring immigration and customs service use 36th St. Terminal. Trans International pilots advise twr before landing. Use rnwys only. Equip. on fld intermittently, days. Obst lgts on pole lines adj Seaboard Airline R.R. Shops between N and S flds inop. All acft landing on E/W or N/S rnwys maintain sufficient alt to clear vehicular traffic on 36th St. and LeJeune Rd. No JP-1 fuel. Const until June 30 in grass area between Terminal and W hangar ramps and E/W rnwy in N fld. Area mrkd and lgtd. (5-26)

MIAMI NAS-Acft remain on N leg Miami **Range for distance of 35 mi N of range stn when** passing Miami NAS. Stay clear **of NW corner fld-fighter train. break-up area.** Acft practicing touch and go landings ngts. **Closed sunset to 0700. (11-15)**

MORRISON FLD (WEST **PALM** BEACH)-RADIO: **Effect Apr 26, oper of AACS** operated HF/DF **stn temp suspended until further notice. (4-24) Glide path transmitter of Army ILS being moved to lctn 1100' E of W end E/W rnwy, 400' S of centerline. Middle mrkr ident being changed to alternate dots and dashes. (3-17)**

****NAPLES MUN-CLOSED.**

ORLANDO AVIATION COUNTRY CLUB ARPT-Land to the N, take-off to the S. Pwr line N. **(5-19)**

ORLANDO AAB-About July 1, tetrahedron wind indicator will be discont. (6-18)

****ORMOND ARPT-Formerly carried as Tomoka Arpt at Daytona Beach. (132,134)**

PAGE FLD (FT. MYERS)-NW/SE rnwy lgts inop. (5-1)

★PENSACOLA-RADIO: Stn now grds 3105,4496,6210,3117.5 kcs., 116.1,122.1 mcs. (6-21) These data rcvd too late for data page. Auto. rng monitor. sys comm on NW course. (6-16)

****PENSACOLA ARPT-Three 200' twrs rdo stn WCOA 4 mi S (185° true) at lat 30-23-54 long. 87-15-18, erected and lgtd. (6-21) Ext Navy train. thruout area. Join pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest avail. taxi strip. Opers and svcg lctd brick hangar. (4-29)**

PENSACOLA NAS-CHEVALIER FLD-Avail. days only. Ngts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Disposition delivery acft land at NAS Chevalier Fld. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld, bear. 34° NNW. Pilots desiring to land at Chevalier Fld ctc Pensacola Navy twr before entering traffic pattern. (5-22)

PETER O. KNIGHT ARPT (TAMPA)-Sodded areas E of Rnwy **3-21 and S of** Rnwy **10-28 rough-use ctn when taxiing. Heavy acft use** rnwys. Equip. **on fld** days.**(5-20)**

****PINELLAS COUNTY INTERNATIONAL ARPT** (ST. PETERSBURG)-Formerly carried as Pinellas County Master Arpt. (1-14) (134) **Lgt acft** landing and taking off **on** sodded area directly S of fld. NE/SW rnwy lgts **inop. Other rnwy lgts weak. (6-18)**

****PIPER-FULLER ARPT (ST. PETERSBURG)-ABANDONED. (6-9) See page 134.**

PUNTA GORDA MUN. ARPT-Usable emerg landings only. (5-29)

RICHMOND NAS-LTA-Use in emerg only (caretaker status-no facs).

****RIDDLE FLD (CLEWISTON)-Lat 26-44-30, long 81-08-00. (6-17). See page 136.**

ST. AUGUSTINE ARPT-All lighting facs inop. (5-19)

****SEBRING AIR TERMINAL-Formerly carried as Hendricks** Fld. Bcn, bndry, range, obst, blood, and rnwy ctc lgts prior req. **See page 134.** Lat 27-27-15, long 81-20-30.

STENGEL FLD (GAINESVILLE)-Cattle **on fld. (5-19)**

SUNNY SOUTH ARPT (MIAMI)-Lgtd **for** student **ngt** flying. **Closed** to trans acft.(5-13)

TAMIAMI ARPT (MIAMI)-**CAA** day oper. Landing fee only to acft carrying passengers **or** cargo for hire. **Equip.** on fld intermittently days. (3-12)

TAMPA-RADIO: 116.1 **mc transmitter** and 122.1 mc rcvr temp inop. **(6-9)**

TAYLOR FLD (OCALA)-**Use rnwys only.** (1-23)

TITUSVILLE-COCOA **ARPT-Use rnwys,** taxiways only **(soft sand) (5-5)**

FLORIDA :TYNDALL FLD (PANAMA CITY)-RADIO: Army range unreliable. (4-18)

****VERO BEACH ARPT-Crash facs not avail. on line. Rnwys 11-29,3L-21R,7L-25R, 18-36 closed (repairs). (5-21) Double end clear and green rot. bcn, loc E side of fld. Comm Jun 13. See page 134.**

****VENICE AUX. ARPT-Formerly carried as Venice Mun. Arpt. (6-17) See page 134.**

****VENICE MUN ARPT-Formerly carried as Fette Aircraft Service. (6-17) See page 134.**

WAKULLA ARPT-CLOSED (soft sand). (5-22)

WHITEHOUSE OLF (JACKSONVILLE)-Closed Sundays, used by model acft. Avail. in emerg only. (4-9)

WHITING FLD NAS-NORTH (MILTON)-Avoid fld area under 2000'. **6" sloping curb** at edges all rnwys. Tetrahedron indicates rnwy in **use and not wind direction.** Ctc twr before entering traffic pattern. (4-14)

****WIMAUMA ARPT-ABANDONED. (6-17). See page 134.**

WITHAM FLD (STUART)-Use **rnwys only.** (2-12)

GEORGIA :ALBANY ARPT-Use **rnwys only.** (6-16)

****ATLANTA ARPT-134' lgtd water tank erected 1 mi E. (6-18) Const, equip. on fld** intermittently. Use **rnwys ngts.** Closed to HB and VHB acft. **Trans Army acft use Marietta AAF. Twrs of Rdo Stn WSB 12 mi NE being dismantled, lgtd. 25' lgtd bldg near N end N/S rnwy. N portion of N/S rnwy extending down to the E/W rnwy obscured from twr and is closed to all traffic except acft with 2-way rdo in commun with twr. Pilots land at own discretion. (6-18)**

★ATLANTA NAS-RADIO: June 11, W course of Navy range realigned to 107°. Flight-checked, courses correctly aligned. FLD: Avail. sunrise to sunset. After sunset open for landings only. No clearance or svcg. (4-16)

BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rnwys. Use rnwys only. (7-1)

CALLOWAY ARPT (LA GRANGE)-Heavy acft use rnwys, taxiways only-grass areas soft. All-over landing small acft in dry weather. (4-17)

CAMP STEWART AAF (HINESVILLE)-Cattle on fld. (12-17)

CARROLLTON ARPT-Equip. on fld. (5-12)

CHATHAM AAF (SAVANNAH)-Rot. bcn inop. Exten P-47 NG acft transition training, formation flying and acrobatics 0800 to 1700 all within 35 mi radius. (4-4)

COCHRAN FLD (MACON)-Use rnwys, taxi strips only. (12-5)

HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. (1-18)

JESUP AIRPORT-Const. (2-3) **These data rcvd too late for (1) symbol.**

LAKEWOOD ARPT (ATLANTA)-Strips **rough in spots. (10-9).**

★LAWSON FLD (COLUMBUS)-RADIO: Army air/gnd stn discont transmitting on and guarding 4765 kcs. (6-9) **FLD: MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2,32. Right traffic Rnwys 14,20,27; left traffic Rnwys 2,9,32. (4-30)**

LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (1-22)

MALCOLM-McKINNON ARPT (BRUNSWICK)-Equip. on fld days. (6-2)

MARIETTA AAF-No maintenance 1700 to 0800. Ltd transportation. Temp twr atop Opers Bldg 200 yds N intersection Rnwys 10 and 15. (5-19)

MILLEDGEVILLE MUN ARPT-Soft after rainy weather. (4-17)

MOODY FLD (VALDOSTA)-Two obst lgts atop Rdo Stn WGOV inop.

[redacted]: MUSCOGEE CO. ARPT (COLUMBUS)-Wind tee tied day and ngt when wind is 12 mph or less. Free swinging over 12 mph. (5-16)
★ROBINS FIELD (WARNER-ROBINS)-RADIO: Army air/gnd stn now in oper on 4765 kcs in addition to freqs previously published. (6-18)
SAFFOLD ARPT (SAVANNAH)-2500' ESE/WNW strip under const. (4-2)
ST. MARYS ARPT-Cattle on fld and rnwys. (1-27)
SAVANNAH-RADIO: SE course displaced 3° counter clockwise, bear.330°. (4-22)
SOUTHER FLD (AMERICUS)-Use strips only. Soft when wet. (4-8)
SPENCE FLD (MOULTRIE)-Use rnwys only. All over fld avail. lgt acft only in certain areas. Landing area N of rnwys to be used on ly by pilots familiar with fld. Grass area adj to rnwys closed (sloped for drainage)(4-8)
THOMASVILLE ARPT-Closed ngts-no lgts. (10-24)
TURNER FLD (ALBANY)-RADIO: Army air to ground stn temp inop. (2-10)
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld)(1-16)
[redacted]: BOISE ARPK-Right traffic for NW landings and take-offs. (5-21)
BOISE AIR TERMINAL-Use rnwys, taxi strips only-shoulders soft. Non-rdo equipped acft use Rnwy 10L with left approach or Rnwy 28R with right approach when tetrahedron indicates traffic SE or NW. Parking ramp on Nat'l Guard side of fld immediately in front of twr SW of Rnwy 10R-28L closed to all acft other than mil except for taxiing. Extreme ctn while taxiing thru this area. (6-2)
BRADLEY FLD (BOISE)-Right traffic SE take-offs and landings. (3-17)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips (2-22)
COEUR D'ALENE-RADIO: Rng flgt-checked June 2, courses correctly aligned.
GOODING ARPT-Use strips only-sod unsafe (erosion)(3-1)
GREEN MEADOWS ARPT (EAGLE)-Right traffic NW take-offs and landings. (3-17)
MOUNTAIN HOME AAF-N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
POCATELLO ARPT-6' ceilometer approx 75' S of Rnwy 5-23 at a point 500' W of taxi strip that intercepts Rnwy 29. Use rnwys, taxiways only. Equip.on fld days. (6-3)
PRIEST RIVER MUN. ARPT-NNE/SSW strip under const. (1-13)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (3-14)
TWIN FALLS ARPT-Use strips only, soft when wet. (2-21)
[redacted]: ALBERTUS ARPT (FREEPORT)-Const. Use N/S, NW/SE rnwys, soft when wet. Land within rnwy mrkrs. (2-25)
ASHBURN ARPT (CHICAGO)-Avail. only lgt acft under 2000 lbs. Landing fee for heavier acft $2.00 and up. NE/SW rnwy under const.-unusable. Do not turn off cinders onto grass. (5-5)
CASEY ARPT-Red flag on windsock indicates strips too soft for safe oper, green flag indicates strips in good condition, orange flag indicates right traffic. (2-26)
CHANUTE FLD (RANTOUL)-Ltd parking. (2-12)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const)(3-3)
CHICAGO-RADIO: VHF omni-directional rng comm without voice oper cont. Lctd at lat 41-43-45, long. 87-50-25. Freq. 115.5 mcs. Ident. "CG". Class: VORW CTN - UNMONITORED.
CHICAGO ARPT-RADIO: GCA temp inop. (6-16) FLD: Const 60' high W of Rnwy 22 center at NE corner fld. Snow extension lgts 22" above grade on Rnwys 31L, 36R, 27L, mrkd. GCA truck and trailer lctd near center of fld, lgtd. Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Term. Bldg. upon arvl and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable at Arpt Supt's Office before dptr. 3 hangars under const along N taxiway. Ctn when taxiing.Ramp in front of new Terminal Bldg being repaired. (5-14)
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
**CHICAGO-ORCHARD ARPT (CHICAGO)-660' twr rdo stn WEBM, 2.5 mi WNW (285° true) erected and lgtd. (6-12) 14 approach lgt standards approx 5' in height being const 55' left of center line NW/SE rnwy extending 1500' NW from NW end of rnwy. Will be mrkd by 3 flares 1 each on both ends of all. 1 on center standard during [redacted]: const. (6-10) Landing fees same as Chicago Arpt. Trans acft register in city office S side fld. Glide path bldg 800' SE of NW end NW/SE rnwy 400' SW. Lclzr bldg 950' SE of SE end NW/SE rnwy. (6-4)
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (3-27)
DECATUR PARK DISTRICT ARPT (DECATUR)-Use rnwys only. (4-22)
FLORA ARPT-NE/SW strip under const. (12-10)
GALESBURG MUN. ARPT-W bndry rough. (3-28)
JOHNSBURG ARPK-Equip. on fld. (3-18)
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (4-29)
LEWIS-LOCKPORT ARPT (LOCKPORT)-Use strips only. Stay on gravel when wet. (3-16)
MARION ARPT-Ext train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. Wind tee moved to circle in center of fld. (5-12)
MOLINE ARPT-75' lgtd mast, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. 20' gravel pile 300' W of SW end NE/SW rnwy. (4-30)
MOUNT VERNON ARPT-E/W strip mrkd with flare pots, dusk to dawn. Serve as mrkr lgts only. (4-7)
PAL-WAUKEE ARPT (GLENVIEW)-250' Goodyear Blimp based on fld until approx. Aug. 10. Stationary mooring mast 45' high with a single obst lgt lctd on the NE side of the fld, approx. 300' from existing rnwys. Blimp unlgtd, but riding lgts will be turned on upon the approach of acft. Pilots req to avoid use of rnwys during the 10 or 15 min. period which will occur twice a day when the blimp is landing or taking off. (5-31)
PEORIA ARPT-Equip. on fld. 0800 to 1630 daily except Sun. (5-10)
QUINCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. Use only rnwys in thawing weather. (2-24)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather. and after thaws. (3-31)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)
SPRINGFIELD ARPT-Fld and strips soft after heavy rains. Unsafe heavy acft when soft. (4-5)
SPRINGFIELD MUN. ARPT-New arpt under const 3 mi NW of Springfield. Will be completed approx Aug. 9. Gaps in paving at intsn of rnwys. P-line crossing SE end NW/SE rnwy. Equip. on fld. Pilots advised not to land. (6-17)
STINSON ARPT (LA GRANGE)-NE end NE/SW rnwy closed. (5-14)
STOCKTON ARPT-Use strips only. (6-10)
WAUKEGAN ARPT-NW/SE, E/W strips usable except in extremely wet weather (5-13)
WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (4-7)
[redacted]: ANGOLA-RADIO: VHF omni-directional rng comm without voice. Oper cont. Lctd at lat. 41-39-18, long. 84-57-00. Freq. 114.3 mcs. Ident. "AH" Class: VORW. CTN - UNMONITORED.
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FT. WAYNE)-Rnwys lgts 9-27 inop. Tetrahedron uncontrolled.(4-22)
BENDIX FLD (SOUTH BEND)-Equip. on fld days. N triangle closed. (3-26)
BLOOMINGTON ARPT-Turf sparse-soft when wet. (5-19)
BRIGHTWOOD ARPT (INDIANAPOLIS)-E end E/W strip under const. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. Circular traffic pattern in use. (5-19)
CHAIN LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only. (5-23)
CHARLESTON ARPT-Trees at both ends-usable with ctn. Entire fld soft after prolonged rain. (5-19)
COLUMBUS MUN. ARPT-Turn off rnwys onto taxi strips after landing. Use rnwys only. (3-31)
**DELAWARE ARPT (YORKTOWN)-Formerly carried under Muncie.

INDIANA: EVANSVILLE ARPT-Trans use rnwys only. Equip. on fld days. (5-5)
GARY ARPT-Water on fld. Soft in wet weather. Extreme ctn. (5-1)
HOOSIER-PARK ARPT (INDIANAPOLIS)-NW/SE, NE/SW stripe closed. Area immediately adj to these strips avail. for traffic. (5-22)
HULMAN FLD (TERRE HAUTE)-Erosion on outer edges of fld. Lgt acft use sodded area in triangle bounded by rnwys. Ctn in wet weather. (5-15)
HUNTINGTON MUN ARPT-SE end NW/SE strip freshly filled. Not firm. (11-13)
INDIANAPOLIS-RADIO: GCA unit operated by CAA on exper basis at Indianapolis Arpt, between the hrs 0600 and 1600 Mon thru Fri. Unit aligned for approach from the SW of Rnwy 4. Transmits on 212 kcs, 126.18 mcs, receives on 3105,4495,6210, 3117.5 kcs, 126.18 mcs. Pilots desiring to make practice runs should make arrangements thru Indianapolis Twr, Indianapolis Rdo or airline ground stn at Indianapolis. All flights must be CFR prior to starting GCA runs and must remain CFR throughout approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mc bndry mrkr using keyed 3000 cycle tone, operating intmtly at SW bndry of arpt. Exper lclzr on 108.3 mcs SW end NE/SW rnwy. Exper rdo range with 5 lgtd 131' twrs operating intmtly at Avon, Ind, 7 mi NW of arpt on 172 and 194 kcs. Low power (holding mrkr), 75 mcs, 10 mi SW of arpt on ILS lclzr course, keying "U", tone 3000 cycles, temp inop. (11-22)
INDIANAPOLIS ARPT-Use rnwys only. Pilots of mil and trans acft register with registrar in Admin Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner operating intermittently. 2-1/2' exper rnwy lgts both sides NE/SW rnwy. Exper flights of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip. 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' NE of NE/SW rnwy on centerline; trailer adj CAA glide path 400' SE of NE/SW rnwy, all lgts ngts. Exper slope line (glide path) approach lgt sys installed W end of Rnwy 9-27. Lgts consist of 3 pairs of red tubular lgts spaced 100' apart with first pair lctd 100' W of rnwy. The outer pairs show red only on approach side; the inner pair show red on approach and rnwy sides. The high end of outer unit is 8', and high end of inner unit is 5'. Operate normally with rnwy ctc lgts. No mil svcg-use Stout Field. 20' elevated gaseous tube directional taxi mrkr lgts showing a blue lgt when lgtd. 5 on exper stn taxi strip and 15 on short N/S rnwy and the 2 short E/W taxi strips leading therefrom to Admin Bldg apron. (6-10). Right traffic pattern for acft landing on grass to the right of rnwy in use; left for acft landing on grass to left of rnwy. Acft landing on rnwys use left traffic pattern unless otherwise advised by twr. (5-22). Exper bcn atop Admin Bldg rot. at high speed counter clockwise operating during IFR days only. (6-18)
McCOOL INT, SITE 3, CG-LG-Pwr poles approx 460' S of the S end of the N/S rnwy, fone line along the S side of Hwy #6, 60' silo 1160' W of watchhouse, all unmrkd. Green bndry lgts #17 and 28 changed to clear. (5-27)
MICHIGAN CITY ARPT-Use only mrkd strips, taxiways-bal fld unsuitable for landing and taxiing. (5-19)
MORGANTOWN-RADIO: FM formerly on S course Indianapolis Range will remain in oper on exper basis. (11-8)
MYERS FLD (FT. WAYNE)-Avail. with ctn. Soft during wet weather. (3-23)
PLYMOUTH ARPT-E/W, NW/SE strips avail. ENE/WSW strip closed-newly seeded Condition will be in effect throughout the summer. (5-19)
PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to heavy local traffic, trans acft avoid turning in middle of fld after landing. Taxi straight to end of fld, then taxi within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather. (6-17)
SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft when wet. Const area mrkd. (5-19)
SMITH FLD (FT. WAYNE)-Use rnwys only-turf soft when wet. (5-19)
SOUTH BEND-RADIO: VHF omni-directional rng comm without voice. Oper cont. Lctd at lat. 41-46-05, long. 86-19-05. Freq. 112.3 mcs. Ident. "SN". Class:

INDIANA: VORW. CTN - UNMONITORED.
SOUTH BEND-Barrage balloon over S central portion of South Bend. Max height 500' above gnd. Aloft 0700 until 1700 daily. (5-27)
STARKE CO. ARPT (KNOX)-N/S strip soft-loose sand. Avail. lgt acft only. (5-19)
STOUT FLD (INDIANAPOLIS)-Crash equip. avail. 0800 to 1700 daily only. Ltd svcg facs. Lgts on prior req. (5-22)
TRI-STATE ARPT (ANGOLA)-N/S strip closed (const). (5-5)
URSCHEL FLD (VALPARISO)-Strips soft in wet weather. (5-19)
WELLS CO. ARPT (BLUFFTON)-Avail. with ctn-soft during wet weather. (5-5)
WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N. No wind conditions land to W. (5-8)
IOWA: CEDAR RAPIDS ARPT-Use rnwys, taxi strips only. (3-22)
CHAPMAN FLD (WATERLOO)-Bcn, bndry, obst lgts inop. (4-2)
CRAM FLD (DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)
**DES MOINES ARPT-Lat. 41-32-00, long. 93-39-15. See page 40. Entire area off rnwys E or N/S, NW/SE rnwys closed. Use rnwys only. Area off SE end NW/SE rnwy closed to taxiing, mrkd. NG svcg not yet avail. Equip. on fld. Movable boom variable height 25 to 45' days, flagged. Excavation off sides of N/S taxi strip approx 200' N of S end of strip, mrkd. (6-9)
DUBUQUE ARPT-CLOSED (flooded)(6-13)
ELKADER ARPK-N/S strip newly graded and seeded. (5-29)
HUNTER FLD (CEDAR RAPIDS)-NE/SW rnwy under const-closed. Land on other rnwys only. Equip. on fld. (6-14)
IOWA CITY ARPT-Closed ngts. Sod adj rnwys, taxi strips freshly seeded. Lgts being installed. Const until approx July 13. Trenches 3' deep adj all rnwys, mrkd. Equip. on rnwys. Rnwys will be cleared for air carrier landings. New bcn 250' E of N/S taxiway, mrkd by red lanterns ngts. (6-13)
LAMONI INT, SITE 10, KC-MP-Unsafe (soft). (4-16)
MASON CITY ARPT-Landings and take-offs prohibited on sod rnwys W of Admin Bldg. Sod between taxi strip and N end N/S rnwy unusable. (4-29)
OTTUMWA NAS-S landing mat closed (helium bottles on mat). Use rnwys only. (5-6)
SIOUX CITY ARPT-Blinding ceilometer 1000' N of Admin Bldg. (4-30)
[redacted] ALLMAN ARPT (LENEXA)-Use strips only. (4-2)
ATKINSON ARPT (PITTSBURG)-Const, mrkd. (4-27)
ATWOOD ARPT-Soft when wet. (3-26)
BEECH ARPT (WICHITA)-During damp weather, use rnwys only. (4-2)
CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags. (2-6)
DODGE CITY ARPT-Blinding ceilometer installed 1000' NW of Admin Bldg. E/W rnwy closed. Parked acft on fld N and S of Admin Bldg due to partially completed const on parking area. Hangars being built NW Admin Bldg. (4-11)
FAIRFAX FLD (KANSAS CITY)-Only 100 oct. avail. (6-13)
FT. RILEY-AA firing conducted immediately N of Marshall Range Stn.
GARDE N CITY AAF-No svcg or maintenance avail. (2-7)
GOODLAND ARPT-Rnwy sides soft when wet. (2-21)
HUTCHINSON MUN ARPT-Heavy acft use rnwys only Tetrahedron unlgtd. (6-1)
HUTCHINSON NAS-CLOSED - no facs. (11-25)
INDEPENDENCE AAF-Closed to all acft except on off. bus. or emerg. Only N/S rnwy nearest ramp avail. (6-23)
JANSSEN SKYTEL ARPT (McPHERSON)-E/W strip soft when wet. (4 (3-4)
LARNED MUN ARPT-SW 1/3 of NE/SW and NW/SE strips muddy in wet weather. S 1/2 N/S strip under const. (3-19)
MARSHALL FLD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys, taxi strips, ramps only. Soft shoulders off rnwys. Rnwy lgts undependable. (2-10)
OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mile radius centered on Olathe Range station.
OLATHE NAS-Closed 1800 to 0800-flights desiring landing during these hrs must notify opers before 1600. (6-13)
OLATHE OLF NO. 2-Use in emerg only-no facs.

[redacted]:OLATHE OLF NO. 4-Use in emerg only - no facs.
OLATHE OLF NO. 7 -Use in emerg only - no facs.
OLATHE OLF NO. 9 -Use in emerg only - no facs.
★PHILLIP BILLARD ARPT (TOPEKA)-RADIO: CAA twr now transmits on 278 kcs., 118.5,126.18 mcs. (6-18)
SATANTA ARPT-Strips soft in wet weather. (2-19)
SHERMAN FLD (FT. LEAVENWORTH)-Left traffic Strips 12,15; right traffic Strips 30,33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (4-11)
SMOKY HILL AAF (SALINA)-RADIO: Army ILS (CAA type) inop indefinitely. (4-1)
TOPEKA-Inst flying radio range ngt, day. Call Topeka Radio at least 20 mi out before flying range.
TOPEKA AAF-Closed to all trans mil acft except on off. bus. or in emerg. (6-2)
★WICHITA ARPT-RADIO: Middle mrkr of CAA ILS now monitored. (6-10) FLD: Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Trans acft without rdo use ctn. Stay on concrete-sod unsafe. (4-29)
WICHITA AUX. ARPT-Arpt lctd 6 mi SE of Wichita not avail. as an auxiliary fld. City of Wichita not responsible for consequences arising from the use of the fld. (4-19)
[redacted]:ASHLAND ARPT-Right traffic pattern on NW landings and take-offs. (2-5)
BLUE GRASS FLD (LEXINGTON)-Use rnwys only. (5-5)
BOWLING GREEN ARPT-Use rnwys only. (4-7)
**CAMPBELL AAF (HOPKINSVILLE)-No lgts. (6-11) See page 90. Ext const. Rnwy 4-22 only avail. (6-1)
GODMAN FLD (FORT KNOX)-RADIO: Army rng unreliable; use primarily as homing fac. (4-5) FLD: CLOSED TO ALL ACFT GROSSING 30,000 LBS OR OVER EXCEPT IN EMERG. High trajectory firing in danger area NE fld day, ngt. (4-17)
GREATER CINCINNATI ARPT (COVINGTON)-Lgts not controlled from twr. Lgts inop Rnwy 13-31. (6-17)
JODY FLD (LONDON)-Const- Use rnwy N of hangars only. (4-26)
LEXINGTON-RADIO: VHF rng unmonitored, no auto. standby equip. and therefore it is avail. for navigational purposes with these limitations. (4-2)
PADUCAH-McCRACKEN CO. ARPT-Bcn, ctc lgts oper from dusk till dawn daily. Only NE/SW rnwy lgtd ngts. (6-18)
STANDIFORD FLD (LOUISVILLE)-NG svcg not yet avail. (4-22)
★[redacted]-BARKSDALE FLD (SHREVEPORT)-RADIO: Army ILS (CAA type) now in cont oper. Glide angle 2-1/2°. See page 112. Army ILS (SCS-51) opers 0700-1900 daily for pilot training. (6-13) FLD: Liaison type acft land Rnwy 14R-32L. Exten training, heavy traffic. GCA unit on right and left hand side of center rnwy, lgtd. No 91 oct. (5-6)
COMMERCIAL ARPT (HODGE)-Unsafe (rutted). (6-10)
COTTON VALLEY ARPT-E/W strip closed. (1-23)
COVINGTON INT, SITE 3, NO-LS-Equip. on fld. (6-20). These data rcvd too late for ⓘ symbol.
CROSS LAKE SKY HARBOR (SHREVEPORT)-Land only in area in front of Base.
EAST BATON ROUGE PARISH ARPT (BATON ROUGE)-Avoid SE corner fld, mrkd with white flags. (1-27)
HOUMA NAS-LTA-Twr oper daylgt hrs 0800 to 1630 only for all acft by Navy in connection with Bureau of Aeronautics Sto. Closed to all other mil acft except in emerg. No fuel. Civil acft may land during daylgt hrs. Lighting facs for ngt flying not in oper for civil use. (4-23)
IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. (3-13)
JENNINGS ARPT-Use strip only. Smudge pots avail. on prior arrangement. Unlgtd pole lines S and E side fld. Right traffic when landing S & W. (3-19)
LAFAYETTE ARPT-Use rnwys only. (4-29)
LAKE CHARLES MUN. ARPT-Blinding 30 million candle pwr ceiling lgt installed Stn WBAS. Operates during cloudy conditions. Two 195' twrs 3.5 mi NW under const, lgtd. Fuel for mil acft avail. 0700 to 2300. (4-24)
LE GROS MEMORIAL ARPT (CROWLEY)-170' twr being erected 9 mi NE(55° true) Will be lgtd upon completion. (3-24)

[redacted]:MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-RADIO: Control line not installed at CAA ILS. Middle mrkr unmonitored. (6-20) FLD: Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way rdo except in emerg. 171' steel derrick being erected approx 15 mi SSE in Lake Salvador, unlgtd. Tetrahedron inop. (5-12)
MONROE ARPK-Avail. days only. (12-20)
NATCHITOCHES ARPT-Taxi to right. 44' trees approx 400' S of S end N/S rnwy and 77' trees approx 800' W of W end E/W rnwy. (1-23)
NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Closed to all Army acft except primary, basic, and advanced (not including converted tactical type) trainers, utility cargo, C-46, C-47 series, C-60, C-64, liaison acft, helicopters and autogyros. (3-26)
NEW ORLEANS NAS-Closed to all acft exceeding 9000 lbs. Avail. 0800 to sunset. Equip. on all rnwys. Fld on positive control. (5-18)
SELMAN FLD (MONROE)-Obst lgts atop twr inop. Equip. on fld. (12-27)
SHREVEPORT ARPK-Entire fld avail. except sod area E of N/S rnwy. Land with wind tee. Wind sock for wind direction only. (1-6)
SHREVEPORT ARPT-Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1- 1.4 mi S within approach zone N/S rnwy lgtd. 185' rdo twr being erected 4 mi SW (230° true). Work in progress SW end Rnwy 5-23, approx 100' from end of rnwy, mrkd. Equip. on fld days. (5-13)
[redacted]:AUGUSTA-RADIO: Rng figt-checked June 20, SE course displaced 3° SW, bear 312°. Stn lctd mrkr has lobe in it-use with ctn. (6-20). These data rcvd too late for ⓘ symbol.
AUGUSTA ARPT-Obst lgts on antenna poles 400' NE Admin Bldg inop. (4-22)
DOUGLAS FLD (BRUNSWICK)-Right traffic when wind from the S. (4-22)
DOW FLD (BANGOR)-RADIO: ILS in operation, but temp unmonitored. (5-27) FLD: E/W rnwy closed. Use concrete portion fld only. Ltd transportation and maintenance facs. Exten ngt flying opers every ngt from 2000 to 2300. P-47 type acft operating CFR stacked from 3000' to 10,000' all quadrants except S. (5-28)
FARMINGTON ARPK-After heavy rain land to W side strip. (4-23)
★HOULTON-RADIO: CAA Commun Stn comm June 13. Manned 0700 to 1500. VHF voice fac avail. on 116.1 mcs.
LEWISTON-RADIO: Rng figt-checked June 10, courses correctly aligned.
LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft use rnwys only-safety strips soft. (11-13)
MERRYMEETING FLD (BOWDOINHAM)-Use in emerg only. (4-22)
MILLINOCKET-RADIO: Rng figt-checked June 10, courses correctly aligned. Auto. rng monitor. sys temp inop (5-26)
MILLINOCKET ARPT-NW 1000' NW/SE rnwy closed. Ctc lgts inop. (4-15)
NEW MEADOWS ARPK (WEST BATH)-PRIVATE-emerg use only. (5-6)
NORRIDGEWOCK ARPT-CLOSED-use in emerg only.
OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop.(2-24)
PORTLAND ARPT-E/W rnwy closed ngts (ctr lgts inop). (4-29)
PRESQUE ISLE AAF-RADIO: Army VHF/DF and HF/DF stns temp suspended. (5-16) Bndry mrkr of CAA ILS will be decomm soon. FLD: No longer assigned as Foreign Clearing Stn, except as weather alternate for scheduled ATC Flights. Svcg trans acft 0800 to 1700 only. (5-16)
SCARBORO ARPT-CLOSED (soft). (3-31)
WESTON FLD (MADISON)-Avail. emerg only. (4-2)
**[redacted]-ANDREWS FLD (CAMP SPRINGS)-RADIO: Army ILS temp inop. Usual hrs of oper: Cont during IFR; 0800 to 1700 Mon thru Fri or on 30 min req other hrs. (6-17)
★BALTIMORE-RADIO: June 23, MRL fac converted to simultaneous oper. Concurrent with this conversion courses realigned as follows: 15°, 105°, 195°, 285°. Freq. and ident. remain unchanged. Stn class: SMRLZ-DT. These data rcvd too late for charts and data page. Gnd-checked only. W course displaced 3° S, bear 103°.(6-22)
BALTIMORE ARPT-No crash equip. ngts. Use rnwys, taxiways only, other areas soft. Equip. on fld. Ships with unlgtd 120' masts anchored in harbor S, W, and SW

[redacted] of fld. Smoke stacks NW and SE. Rdo rqrd between sunset and sunrise.
BALTIMORE SEAPLANE BASE-Radio facs same as Baltimore Arpt. Control launch and other services avail. commercial operators by prior agreement with BOAC. Ramp and fuel services avail. by contacting Baltimore Twr. (4-21)
BELTSVILLE OLF-No crash equip. Closed to all acft except in emerg. (4-9)
EDGEWOOD ARSENAL FLD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Closed Sat and Sun. Operated Mon thru Fri 0800 to 1600. (3-14)
ERCO ARPT (RIVERDALE)-Do not land on diagonal taxi strip due to softness and holes. Soft shoulders off rnwys. Avail. days only. (2-19)
FREDERICK CITY ARPT-CLOSED (water main running across arpt being removed).
GLENBURNIE-WHIPP ARPT (GLENBURNIE)-Avoid flaggdd area-equip. (2-19)
KENT ARPT (WORTON)-Landing area under const. (3-17)
MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS. WITH GLENN MARTIN CO. OR IN EMERG. Trans or local traffic, not landing at fld, should avoid fld traffic patterns or approaches. (1-22)
PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches adj Rnwy 9-27, mrkd. Equip. on fld. Obst SE end Rnwy 13-31. Ctn-land long on rnwy. (6-6)
PHILLIPS FLD (ABERDEEN)-CLOSED TO ALL TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Ltd svcg. No maintenance or RON. Danger area 1500 yds S; firing to 25,000'. Approach from N only, flying a heading of 200° from Aberdeen to fld. Heavy traffic rnwys. Rnwy 4-22 closed. (5-20)
SALISBURY-RADIO: Commissioning of VHF rng indef. postponed. (5-5)
SALISBURY ARPT-Use rnwys only. (2-17)
SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (4-10)
**WEBSTER FLD (BEACHVILLE)-Formerly carried under Priest Point. Closed except on 24 hr. notice.
[redacted]:AGAWAM-Two searchlgts being operated from Riverside Park dusk to midngt May 30 to Sept 7 . (5-8)
BARNES ARPT (WESTFIELD)-Oper of arpt bcn days indicates suspension of CFR oper. Ctc Westfield Rdo for lgts. 139' tank 5500' SW, lgtd-temp painted grey. No ctc lgts. (6-12)
**BEDFORD AAF-RADIO: Ident. of Army H fac changed to "BED". (6-12)
BROOKFIELD'S ARPT-Ctn-steep grade at SE end. (4-21)
CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been established approx 6 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay.
GRAFTON ARPT (NORTH GRAFTON)-Avail. lgt acft only. Glider towing opers daylgt hrs. Powered acft approach with ctn. (5-16)
LA FLEUR ARPT (NORTHAMPTON)-Const. Grading 800' by 300' center of fld, mrkd. Equip. on fld. Closed ngts. (5-17)
LAWRENCE ARPT-At ngt use rnwys for landing and taking off. (3-23)
LOGAN ARPT (BOSTON)-RADIO: CAA ILS placed in cont oper June 10 for pilot training and familiarization purposes only. Lclzr lctd 950' NE of NE end of Rnwy 4-22 on extended centerline. Freq. 110.3 mcs. Ident. "BW". Glide path freq 335 mcs. Angle 2.5°, lctd 1000' NE of SW end of Rnwy 4-22 and 550' SE of rnwy centerline. Middle mrkr 1.40 mi from SW end Rnwy 4-22 on extended centerline keyed alt dots and dashes; outer mrkr lctd 5.67 mi from SW end of Rnwy 4-22 on extended centerline keyed two dashes. Outer compass lctr at outer mrkr site on 203 kcs., ident. "G". Comm date of this fac for regular oper indefinite, pending completion of const and removal of const equip. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-16) FLD: Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight, cargo, and express planes shall pay in addition $6.00 per day or fraction thereof beginning [redacted] at time of landing. Private or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Manager and pay fees. Pilots will be denied clearance until fees are paid. Equip. on fld. Mercury arc vertical beam NW end new temp NW/SE rnwy-used intermittently day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. NE 100' Rnwy 7-25 unsafe. Old Rnwy 15-33 closed except for taxiing. (5-26) 2 unlgtd 374' stacks lctd S. Boston Base 7900' from S end Rnwy 4-22. ILS lclzr path lies within 1500' of stacks- ctn. (6-17)
MANSFIELD ARPT-Red flag flying when closed. (4-21)
MARLBORO ARPT-Avail. sunrise to one hr after sunset. (4-21)
**MARTHA'S VINEYARD-Circular danger area centered at lat 41-24-30, long 70-27-18 has been discont.
MERRIMAC VALLEY SKYPORT (LAWRENCE)-Right traffic when landing or taking off down river. (4-4)
MYRICKS ARPT (BERKLEY)-Wires on S end N/S strip. (4-1)
NANTUCKET ARPT-Five 320' twrs being erected 6 mi W (280° true). (4-12)
ORANGE ARPT -High grass NW end fld. (5-17)
OTIC OLF (FALMOUTH)-Use in emerg only (caretaker status- no facs).
PITTSFIELD ARPT, SITE 3B, AZ-BW-Land according to wind sock. (4-2)
PROVINCETOWN FLD-Closed to acft over 3200 lbs. (4-21)
REVERE ARPT-Right traffic on Rnwys 2,33,35. Const on seaplane base 1000' N of arpt. (4-21)
RICHARDSON ARPT (DRACUT)-Intersection of two strips muddy when wet. Heavy acft use wide pattern on downwind leg for WSW landing to avoid turkey farm 1000' from rnwy. (3-15)
SPRINGFIELD ARPT-Lgts inop. (4-21)
**SQUANTUM-Circular danger area centered at lat 42-16-30, long 70-45-40 has been discont.
SQUANTUM NAS-Equip. at bndry and on fld. Fld avail. 0800 to 30 mins prior to off. sunset. Truck and two trailers 30' high on rnwy 2-20, 150' S intersection rnwys 14-32, 2-20, lgtd. (3-27)
STEVENS FLD (NORTH ADAMS)-Temp closed. (4-21)
WESTFIELD-RADIO: Sharp bend 5 mi S of rng stn on 27° inbound leg. Condition intermittent. (5-26)
WESTOVER FLD (CHICOPEE FALLS)-RADIO: Army ILS (CAA type) lclzr, Rnwy 24, unreliable. (4-23) HF/DF stn temp suspended. (5-22) FLD: All acft on IFR approaching fld from NE will follow Amber 7 to Boston, thence follow Red 11 to Gardner intersection (W course of Boston Range and NE course Westover Range). Acft will report ot Boston ATC over Gardner intersection and will then be instructed by Boston ATC to ctc Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing let-down procedures as disseminated from fld. Cruising alts assigned by Boston ATC will be maintained until further cleared to descend by Boston ATC. Westover approach control will assume control of acft upon departing Gardner intersection but not until released by Boston ATC. When under Westover approach control, all instructions will be followed which are transmitted by Westover Approach control. (2-19) Red bcn atop Mt. Nanatuck inop. (6-5)
[redacted]:ABRAMS ARPT (GRANDLEDGE)-Soft during wet weather-freshly seeded. (4-24)
ADRIAN CITY ARPT-SW corner fld unsafe for landings and take-offs. (4-28)
ANN ARBOR ARPT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (5-23)
BAKER'S FLD (PORT HURON)-Use strips only. Fresh fill E 1/2 N/S strip from intersection to S end, also SW end NE/SW strip. Soft when wet. (2-25)
**BISHOP ARPT (FLINT)-Three 170' twrs rdo stn WWOK 4.5 mi E (82° true) erected and lgtd. (6-9) Use rnwys only-soft. Unmrkd acft parked on fld within 500' of bldgs. (6-9)
CADILLAC ARPT-S 100' of 1000' taxi strip avail. all acft except tricycle gear acft, bal taxi strip being cleared of trees and brush. Other strip usable this area from N of bldgs to fld bndry. 40' crane 300' E, 100' S of E end E/W strip approx

[redacted]: 200' S of centerline of approach. Wind tee temp removed. (4-28)
CALVIN CAMPBELL MUN ARPT (INDIAN RIVER)-Emerg use only. (3-21)
CAPITAL CITY ARPT (LANSING)-Use center of rnwys only. Soft spots and broken blacktop on NE/SW rnwy near intersection E/W rnwy. N/S rnwy avail. taxiing only. Equip. on fld days. Acft parked W side fld E of apron. (4-2)
DALTON ARPT (FLUSHING)-Ctn during wet weather. (4-11)
DETROIT-RADIO: Compass locator temp inop. (6-7)
DR. HAINES FLYING FLD (THREE RIVERS)-Use strips only. (5-23)
FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (4-24)
FORD ARPT (DETROIT)-CLOSED. Avail. emerg use only. Use rnwys only. (3-31)
GRIDLEY ARPT (YPSILANTI)-Strips reseeded, unusable when cross is displayed. Use E/W sod patch. (4-24)
**GROSSE ILE NAS (DETROIT)-Formerly carried as Detroit NAS. See page 140. Closed 1700 to 0800. (9-14)
**HOUGHTON SANDS ARPT (HOUGHTON)-Formerly carried as Isle Royale Sands Arpt. (4-1) See page 16
JAMES CLEMENTS ARPT (BAY CITY)-Use rnwys only. Closed ngts. (3-12)
KELLOGG FLD (BATTLE CREEK)-Equip. on fld indefinitely. (4-24)
KENT CO. ARPT (GRAND RAPIDS)-Acft weighing 8000 lbs or over use rnwys only. Rot. bcn on Admin Bldg will be inop until approx June 27 during twr const. (5-23)
LINDBERGH MUN. ARPT (KALAMAZOO)-Avail. ngts in emerg. Land in accordance with wind tee lctd midway between NW and NW/SE and N end N/S rnwys. Use rnwys only. (5-23)
**LORETTO ARPT-Formerly carried as Norway Township Arpt. See page 16.
MACKINAC CO. ARPT (ST. IGNACE)-Use rnwys only. (4-5)
McKINLEY ARPT (FRASER)-Avail. to lgt acft only in dry weather. (4-26)
MOUNT PLEASANT ARPT -Sod strips soft during early spring months. (4-24)
MUSKEGON CO. ARPT-Use rnwys only-rough. (4-24)
OSCODA AAF-Use rnwys, taxi strips only.
OTSEGO CO. ARPT (GAYLORD)-Use NW/SE strip with ctn-sand surface. (4-24)
PHELPS COLLINS ARPT (ALPENA)-Lgt acft may use sod between rnwys. (3-21)
PLANE HAVEN ARPT (STANTON)-CLOSED. (5-23)
ST. CLAIR CO. ARPT (PORT HURON) -Rdo Stn WEBO erecting 145' twr 4 mi NE (37° true), temp lgtd. Use strips only-soft when wet. Equip. on fld. (4-24)
★SAULT STE. MARIE-KINROSS-RADIO: H fac without voice comm June 15, approx 15 mi SW of Sault Ste Marie, at lat 46-15-30, long. 84-26-00. Freq. 239 kcs. Ident "KNR". Opers cont. Modulation 1020 cps. (6-16) These data rcvd too late for inclusion on chart and data page.
SAULT STE MARIE ARPT- Loose gravel on N/S rnwy. Use rnwys only. (4-8)
SELFRIDGE FLD (MT. CLEMENS)-RADIO: Army range will be relctd soon. (5-20)
SKYHAVEN ARPT (SAGINAW)-CLOSED (const). (4-11)
STINSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rnwy. (4-24)
TRAVERSE CITY ARPT-Use rnwys only. (6-9)
TRI CITY ARPT (FREELAND)-Airshow June 28 and 29. Closed 1300 to 1630 both days. (6-14)
TWIN CITIES ARPT (BENTON HARBOR)-Use rnwys only, sof t after heavy rains. (4-15)
WASHTENAW ARPT (DEXTER)-Use rnwys only. (2-20)
WAYNE CO. ARPT (DETROIT)-No lgts or rdo. (4-7)
WILLOW RUN ARPT (YPSILANTI)-RADIO: Lclzr, glide path and mrkrs of CAA ILS will be comm soon. (3-26) FLD: Equip on fld. Trucks on NE/SW strip. Pilots must register with Ramp Control Supervisor on arvl and check out on dptr. Graduated scale of landing fees in effect for all revenue producing trans acft. (6-17)
[redacted]:AITKIN MUN ARPT-Const. (3-18)
APPLETON ARPT-Use rnwys, taxi strips only. (2-14)

[redacted]: BENSON ARPT-Use strips only. Closed to trans acft. (4-14)
BLUE EARTH ARPT-NW/SE strip avail. in dry weather. (5-6)
COLERAIN ARPT-Slightly rolling. Const. on fld. Usable in N/S and NW/SE direction only. (11-5)
DECKER ARPT (AUSTIN)-Acft over 3500 lbs use ctn. Const. (4-21)
DETROIT LAKES ARPT-Use strips only. (5-5)
DULUTH ARPT-Use rnwys only. (11-8)
FARIBAULT ARPT-Closed to all acft weighing over 5000 lbs. (5-16)
**FLYING CLOUD ARPT (MINNEAPOLIS)-20' flash. rot. bcn with horizontal and vertical beam lctd on E edge of fld, placed in oper June 15, 1947. See page 15. Strips leveled and seeded. E/W, NW/SE graded and seeded in spring. (12-11)
KENYON ARPT -N/S strip slopes to the N, NE/SW slopes to the NE. (5-9)
MANKATO ARPT-Strips soft during spring thaws. Closed to all multi-engine and heavy single engine acft. (4-1)
**MARSHALL ARPT-20' flashing rot. bcn with horizontal and vertical beam lctd SSE corner of fld comm June 15, 1947. See page 12. Newly graded and seeded strips. Use with ctn. Avoid in wet weather. (4-28)
MONTEVIDEO ARPT-Strips muddy when wet. (2-14)
NEW ULM ARPT-E/W strip has 10' hill. Use with ctn. (11-1)
ORTONVILLE ARPT-Temp closed. (const). (6-20)
PRINCETON ARPT-Use N/S strip only. (5-12)
ST. PAUL ARPT-Use rnwys, taxi strips only. (3-31)
THIEF RIVER FALLS MUN. ARPT-Use rnwys only. Bal fld planted in grain. (4-30)
UNIV. OF MINNESOTA ARPT (NEW BRIGHTON)-N end N/S strip rough. (4-3)
VICTORY ARPT (MINNEAPOLIS)-Surplus Acft Sales Center- parked acft.
VIRGINIA ARPT-Rough. (4-1)
WOLD CHAMBERLAIN FLD (MINNEAPOLIS)-Foreign Clearing Stn for Musk-Calf Project Flights. Ltd maintenance facs, no parking facs for Army acft temp. Exper horizontal neon lgt installed on fence 300' S of S end N/S rnwy. High intensity rnwy mrkr lgts being installed both sides N/S rnwy. Heavy acft use rnwys, taxiways only-soft. (4-30)
[redacted]:BASS FLD (LULA)-Landing area rough. (11-13).
COLUMBUS AAF-Use rnwys only.
GREENWOOD ARPT-Use rnwys only-sodded portions soft. (4-29)
GRENADA ARPT-NE/SW rnwy closed. (6-28)
GULFPORT MUN. ARPT-Avoid flying over area directly off SW corner. Entire sod fld avail. (4-1)
HAWKINS ARPT (JACKSON)-Two 115' temp lgtd stacks 1- 1/2 mi SE. 136' water tank being erected 3.5 mi SSE (153° true). Temp lgtd during const. (4-11)
JACKSON CO. ARPT (PASCAGOULA) -Trans acft use rnwys only- drainage grills under grass. (5-17)
KEESLER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way rdo. 20' boom NE corner NE/SW rnwy, mrkd. (4-28)
KEY FLD (MERIDIAN)-Unlgtd 143' stack and 101' tank 1500' NE of fld and in line with approach to Rnwy 22 and take-off path Rnwy 4. Entire fld and surrounding obst unlgtd except rot. bcn, N/S rnwy lgts and a few lgts on the NE/SW rnwy. (5-26)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
LOUISVILLE ARPT-N 1/3 of strip unusable in wet weather. Ditches near edges of strip. (12-20)
MARKS ARPT-Ctn in wet weather. (2-21)
McCOMB ARPT-West 1/3 of E/W strip unusable. (2-17)
McLAURIN ARPT-Unusable-strip washed out by rain. (4-29)
**NORTH JACKSON ARPT (JACKSON)-Lat 32-22-00, long 90-09-15. See page 114
O'KEEFE FLD (NEWTON)-Soft when wet. Low spot 450' N of circle mrkr. (4-24)
**PARKER AND DOWDLE FLD (COLUMBUS)-ABANDONED. (11-20)
**STINSON FLD (ABERDEEN)-Lat 33-51-00, long 88-35-30. See page 114.
TATE ARPT (LELAND)-Soft when wet. (4-24)
TUPELO ARPT-Equip. stakes on fld. (1-2)
**WINONA MUN. ARPT-Lat 33-28-15, long. 89-43-15. See page 114.
YAZOO CITY CO. ARPT (YAZOO)-Use N/S strip only, bal fld soft. (2-17)

MISSOURI: ACE HIGH ARPT (GALT)-Under const. Use with ctn. N/S strip slopes badly to S.
**BAILEY'S ARPT (BROOKFIELD)-Use strips only. (6-13)
BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (2-17)
CHILLICOTHE ARPT, SITE 7, KC-CG-Use sod areas with ctn, numerous washes, ditches and wheel tracks. Avoid unmrkd ditches SW side SE end of paved rnwy and SE edge NE/SW rnwy SW of CAA weather stn. Keep to paved rnwy and taxi strip when wet. (5-5)
**COLUMBIA ARPT-No flood lgts. (6-3). See page 40. Heavy student traffic. Ngt flying 3 mi radius fld. Sod at rnwy sides soft when wet. Traffic pattern 800' on down-wind leg. Blinding ceilometer 1000' E of rot. bcn. Equip. on fld days. (6-3)
HARRIS FLD (CAPE GIRARDEAU)-Use strips only-parked acft.
INDEPENDENCE ARPT-CLOSED. (3-14)
JEFFERSON CITY ARPT-NE/SW, E/W strips avail. twin-engine acft not exceeding weight of C45, UC78. (4-22)
JOPLIN ARPT-Obst lgts NE end NE/SW rnwy inop. (2-22)
KANSAS CITY ARPT-RADIO: CAA ILS lclzr has low clearance spots or false courses 90° E of front course and 50° W of front course. Glide path and middle mrkr temp unmonitored. (5-23) FLD: Avail. mil acft not exceeding 50,000 lbs. Army acft rstd from refueling except in extreme emerg. No. 1 neon lgt lctd approx 90' N of N end of N/S rnwy and green course lgt approx even with N end N/S rnwy operating. Take-offs by lgt acft to the N from E of N/S rnwy prohibited. Obst lgt atop dike and on the extension of center line of N/S rnwy. Heavy acft. use rnwys and taxi strips only. Const immediately N of Terminal Bldg-ctn when parking acft this area. 13' lgtd structure lctd 75' W of centerline at S end of N/S rnwy. Levee has been raised to 20' above fld level 200' off S end of N/S rnwy unlgtd. Five 300' twrs being erected 14 mi NNE (22° true), temp obst lgtd. (5-28)
KING ARPT (HOUSTON)-Staked for impending const. (4-2)
KIRKSVILLE ARPT, SITE 12, KC-CG-Sod portions fld soft. Heavy acft use N/S rnwy. (4-29)
★LAMBERT FLD-ST. LOUIS ARPT (ST. LOUIS)-RADIO: Middle mrkr of CAA ILS temp unmonitored. Glide path operating on test basis, monitored. Lclzr recomm with voice fac and ident. "LS". Gnd-checked only. FLD: Closed to non-rdo equipped acft. Soft off rnwys-avail. lgt acft. SW taxi strip closed. Apron NW corner fld and approach end Rnwy 7 closed. Rnwy 16-34 closed. Rnwy 6-24 closed from W end thru intersection Rnwy 16-34. 4100' Rnwy 6-24 avail. Equip. at intersection Rnwys 6-24,16-34 days. Port. rnwy lgts on Rnwy 7-25. Const in progress on new rnwy 1500' SE of intersection Rnwys 6-24 and 16-34, thru intersection to approach end Rnwy 7. Trucks crossing approach end Rnwy 7 days. Const areas lgtd ngts. All Navy facs closed to all trans acft except off. orders and emerg less cross country training. (6-5)
MARYVILLE MUN. ARPT-Use strips only. (9-18)
McFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (2-20)
NEUBEISER OLF (ST. LOUIS)-Use in emerg only (caretaker status-no facs)
ROLLA ARPT-Unsafe heavy acft (soft). (1-15)
ROSECRANS FLD (ST. JOSEPH)-Use rnwys only-sod areas unsafe. Equip. on fld. days. (4-29)
**SIKESTON ARPT-Lat 36-54-00, long. 89-33-45. See page 88. Use rnwys only-parked acft.
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough. Blinding 30 million candle pwr ceilometer in oper on E bndry. (4-29)
TARKIO SITE 10, KC-OH-S 1/3, N/S and E 1/3 E/W strips unsafe heavy acft (soft) (5-5)
VAUGHN ARPT (TRENTON)-1-1/2' ditch each side of strips. (2-26)
MONTANA: BILLINGS ARPT-Army acft rstd from refueling except in extreme emerg. (12-26)
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-Muddy in wet weather. (11-18)
DEER LODGE ARPT-Equip. on fld. Avail. with ctn. (6-3)

[redacted]: GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of rnwy shoulders-use 150' center strip. (3-27)
HELENA ARPT-Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. E 200' E/W rnwy closed, mrkd. Right traffic W winds, left traffic E winds. Traffic 600'.
HOT SPRINGS ARPT-Rough-muddy when wet. (12-13)
LEWISTOWN ARPT-Use rnwys only. (2-25)
LIVINGSTON INT, SITE 10, HL-TWIN CITIES-Stn KVRI erecting 50' unlgtd antenna pole atop 300' hill 2.5 mi WNW (288° true). (3-11)
MILES CITY ARPT-Bndry lgts inop. NW and NE floodlgts inop. (5-7)
MISSOULA CO. ARPT-NE/SW rnwy closed. NW/SE rnwy closed to class B-17 or heavier acft. (2-21)
MOORE ARPT-S end N/S strip rough. (7-30)
POLSON ARPT-Usable with ctn. (7-19)
PONDERA CO. ARPT (CONRAD)-Ctn in wet weather (muddy). (3-31)
POPLAR ARPT-Dangerous when wet. (9-6)
ROUNDUP ARPT-NE 2500' NE/SW strip unsafe-large holes, mrkd. (1-21)
SIDNEY ARPT-Ends of strips in cultivation.
VALLEY CO. ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using. (9-7)
NEBRASKA: CLAY CENTER ARPT-Use mrkd strips in wet weather, all way in dry weather. (3-10)
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (3-10)
CRETE ARPT-Use rnwys only. W1/2 of E/W rnwy closed. (3-13)
ELGIN ARPT-Haystacks on fld. (3-10)
FREMONT ARPT-Sod areas freshly seeded-unsafe for landing or taxiing when wet. (3-10)
GRAND ISLAND AAF-Blinding ceilometer lctd 1000' N of Admin Bldg. (5-8)
HARMON ARPT (KEARNEY)-Ctn in wet weather. (6-9)
HASTINGS ARPT-Use strips only-s6ft. (5-24)
KEARNEY AAF-RADIO: Army H fac temp inop. (1-21) FLD: No opers office.(3-24)
LINCOLN ARPT-Private acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. (5-1)
McCOOK AAF-Soon, all obst lgts will be inop on 180' twr 2.9 mi SE of NW/SE rnwy. NW/SE rnwy avail. only. (4-23)
NORTH PLATTE ARPT-Army acft rstd from refueling except in extreme emerg. (10-9)
OMAHA ARPT-RADIO: About June 26, lclzr and glide path of CAA ILS will be inop until approx July 3. When oper resumed voice and ident. features of lclzr will be operative. (6-18) FLD: Use rnwys only. Rnwy 17R-35L avail. days only. (4-7)
PENDER ARPT-Extreme ctn during wet weather. Lgt acft only. (2-20)
SIDNEY INT, SITE 50, SL-OH-Use rnwys only, bal fld rough. (4-23)
SIDNEY MUN. ARPT-Soft in wet weather. Equip. on fld. (6-18)
*STECKLEY ARPT (WEEPING WATER)-ABANDONED. (6-12)
NEVADA: BATTLE MTN FLIGHT STRIP, SITE 35, SF-SL-Use paved surfaces only-shoulders soft. Bndry lgts inop. (6-2)
**BOULDER CITY ARPT-Lat 35-58-00, long. 114-50-45. See page 78. SW end NE/SW rnwy unusable. Equip. on fld days. (6-12)
DOUGLAS-TAHOE ARPT (MINDEN)-S 700' N/S taxiway closed. (4-2)
FERNLEY INT, SITE 22, SF-SL-Rough with soft areas due to wind erosion, soft sand, mrkd. Avail. days only. (3-11)
GOODSPRINGS-RADIO: FM temp inop. (6-19). These data revd too late for ⓪ symbol.
HAWTHORNE ARPT-Traffic is 1500' outside of city mile square and 600' altitude. Civil acft advised to enter and leave fld by following the main thru hwys and not fly directly over any bldgs. (3-3)
HUMBOLDT INT, SITE 28B, SF-SL-Washes E portion fld dangerous lgt acft, mrkd. (4-5)
LAS VEGAS-RADIO: Mar 3, VHF range comm cont on test basis at lat 36-11-06, long. 115-05-48. Bear. and dist, stn to McCarran Fld: 24°, 4.2 mi. Freq. 109.1

[redacted]: mcs. Ident. "LG", Courses: visual: 29°, 209°; aural: 119°,299°. Mag. var: 16° E. Simult voice channel and rcvg watches avail. 24 hrs daily. Stn class: VAR-DTV. Stn now gds 3117.5 kcs, 116.1,.122.1 mcs. Disregard spurious signals.

LAS VEGAS AAF-RADIO: Glide path of CAA ILS inop. (6-3) FLD: Bndry, rnwy range lgts in cont oper ngts. Rnwy ctc lgts and neon approach lgts not avail. midngt to 0800 daily. (2-17)

**MANHATTAN ARPT-Lat 38-34-30, long. 117-10-15. See page 76.

TAHOE SKY HARBOR ARPT (GENOA)-Trans or inexperienced pilots avoid using. (8-5)

★TONOPAH AAF-RADIO: Army air/gnd stn now in oper on 4765 kcs. (6-4)

VENTOSA INT, SITE 48, SF-SL-About June 30, site will be perm discont. All lgts will be discont and fld no longer maintained. (6-13)

YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)

[redacted]: BOIRE FLD (NASHUA)-Wind sock atop brick hangar indicates wind conditions. In calm air conditions, take-off and land to NW. Unlgtd 34' hangar under const adj to bldgs S border fld. Bcn oper intermittently. (4-4)

BRATTLEBORO-HINSDALE ARPK (HINSDALE)-Use only N/S strip unless familiar with fld. (6-4)

CONCORD ARPT-Lgts Rnwy 3-21 inop. (5-12)

DEAN MEMORIAL ARPT (HAVERHILL)-New strips dangerous when wet. (2-17)

GRENIER FLD (MANCHESTER)-RADIO: Army ILS temp inop. (3-6)

HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-9)

LACONIA ARPT-Safety strips rough. Holes and cave-ins edges E/W rnwy. (4-12)

LAFAYETTE ARPT (PORTSMOUTH)-CLOSED (emerg use only). (5-6)

LAKES REGION ARPT (WOLFEBORO)-Turf strip unsafe (flooded areas). (4-7)

★LEBANON-RADIO: CAA commun stn comm June 19. Stn manned only from 0700 to 2300. MH fac oper cont without voice, from 2300 to 0700. These data rcvd too late for chart and data page.

NEWPORT ARPT-60' trees N end N/S strip. (10-9)

**WHITE MTN AIR TERMINAL (WHITEFIELD)-Formerly carried as Whitefield Arpt.

[redacted]: **ALMONESSON (BLACKWOOD)-Formerly carried under Almonesson.

ATLANTIC CITY-RADIO: VHF rng inop. (6-6)

ATLANTIC CITY NAS-Avail. 0800 to sunset. ETA prior to 0800 and after sunset rqrs 24 hr previous arrangement with Opers Officer. (12-11)

ATLANTIC OCEAN-Over-water bombing practice approx 40 mi off shore will be conducted at the following positions: lat 39-47-10, long. 73-26-00; lat 39-22-00, long. 73-25-00. This activity has not yet been cleared with Airspace Sub-committee.

★CALCO STACK-RADIO: June 19, H fac placed in cont oper at lat 40-43-00, long. 74-08-21. Freq. 347 kcs, ident. "V". Class: MHW. Bear and dist, rng to H fac: 58°, 3.7 mi. Figt-checked, oper normal. These data rcvd too late for chart and data page.

CALDWELL-RADIO: VAR range will be comm soon at lat 40-50-45, long. 74-23-00. Freq. 109.1 mcs. Ident. "NU". Visual courses: 112°, 292°; aural courses: 22°, 202°. Var. 11° W. Class: VARW. (3-24)

CALDWELL-WRIGHT ARPT (CALDWELL)-Right traffic when taking off and landing from SW. (4-24)

CAPE MAY CGAS-Closed to trans acft except in emerg (caretaker status-no facs)

COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (3-3)

HADLEY ARPT (NEW BRUNSWICK)-Use only cinder rnwys in wet weather. (2-27)

LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Right traffic when taking off and landing to the SW. (5-16).

**LAKEWOOD ARPT-Lat 40-04-00, long. 74-10-15. (4-1). See page 70.

LINCOLN PARK ARPT-Right traffic N, NW, NE winds. (5-7)

★LINDEN-RADIO: June 19, H fac placed in cont oper at lat 40-37-49, long. 74-15-33. Freq. 359 kcs, ident. "O". Class: MHW. Bear. and dist, rng to H fac: 238°, 5.0 mi. Figt-checked, oper normal. These data rcvd too late for chart and data page.

LITTLE FERRY SEAPLANE BASE-Right traffic when taking off to the S. (1-29)

LYNDHURST-Bcn atop N twr Rdo Stn WINS inop. (1-29)

[redacted]: MELLOR-HOWARD SEAPLANE BASE (RIDGEFIELD PARK)-Rfght traffic when landing to the E. (1-24)

**MILLVILLE ARPT-NW/SE rnwy hazardous. (5-8) Rnwys incorrectly mrkd. N/S rnwy 18-36 should be 1-19; NE/SW rnwy 4-22 should be 5-23; E/W rnwy 9-27 should be 10-28; NW/SE rnwy 12-30 should be 14-32. Bndry lgts inop. Ctc lgts E/W, N/S rnwys inop. (4-4)

NEWARK-RADIO: Rng figt-checked, courses correctly aligned. Severe multiples all courses. (6-20)

NEWARK ARPT-RADIO: CAA ILS figt-checked June 10, Glide path oper normal. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-23) FLD: To reduce acft noise over Newark residential area and avoid tall bldg section: 1. Increase rate of climb as much as practicable. 2. N-bound or E-bound acft make left turn as soon as practicable in take-off to SW. 3. Make a half left turn as soon as practicable in take-off to W. 4. Make a half right turn as soon as practicable in take-off to N. Pass at least 500' E of gas tanks lctd in Harrison when making a S approach to the N/S rnwy. (9-7) Closed to all acft without 2-way rdo. Landing fee for trans acft now in effect based on weight. All acft must taxi to Registry Office NW side fld and register. E 800' Rnwy 28 rough. Pilots are to make approach for numeral on rnwy. No hangar space for Army acft. 75' lgtd pile driver 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. Ditch 12' E of and parallel to red approach lgts and overrun on Rnwy 6 extending up to green ctc lgts then continuing from Rnwy 6 to E taxi strip. Rnwy 1-19 closed. No maintenance facs mil acft.(6-17)

**OCEAN COUNTY ARPT (ADAMSTON)-Will hereafter be carried under Breton Woods (6-16). See page 70.

OCEAN COUNTY ARPT (BRETON WOODS)-Const NE/SW strip. (2-25)

RED BANK ARPT-Area starting from hwy W 1200' to the intersection of the N/S strip unusable. Closed to acft over 10,000 lbs except by prior fone arrangements. (6-5)

SOMERSET ARPT (SOMERVILLE)-On W take-off start left turn as soon as practicable. On NW take-off make gentle right turn as soon as practicable followed by wide left hand pattern. (3-16)

TETERBORO AIR TERMINAL (BENDIX)-Const. Pilots using fld do so at their own risk. Rdo rcvrs rqrd all acft using fld. Unsurfaced taxiways rough. 400' min. ceiling with 1 mi visibility authorized for non-scheduled air carrier take-offs. under IFR conditions. S taxi strip closed-const. Rnwy 6 closed to all trans acft-const. (6-16)

[redacted]: ALAMOGORDO AAF-RADIO: Army range inop. (6-6) FLD: Wind tee inop. Closed to all trans acft except on orders from CG, AAF; CG, AMC; or CG, SAC. Acft will not carry passengers not listed on orders to this fld. Opers and svcg avail. 0730 to 1600 Mon thru Fri only. (6-6)

ALBUQUERQUE ARPT-Used by WAA. Avail. only for delivery surplus acft, prospective purchasers of surplus acft or parts, or in emerg. E/W rnwy closed. (4-18)

CLOVIS AAF-RADIO: Army rng, twr to be discont soon. AACS, air/gnd stn will remain in oper. (5-27). Army twr opers in emerg only. (6-23) FLD: No opers office. Emerg landings only ngts. (5-21)

CONDRON FLD-See notice under White Sands Proving Ground, N.M.

CREWS FLD, SITE 42, EO-PU (RATON)-Avail. days only. (3-18)

GALLUP ARPT-E/W rnwy closed. (3-18)

GALLUP CITY ARPT-ENE/WSW strip under const. (3-18)

HOBBS AAF-Rnwys 3-21, 12-30 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)

HOBBS MUN. ARPT-Allway landing area rough. Heavy acft use rnwys only. (3-18)

JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)

★KIRTLAND FLD (ALBUQUERQUE)-RADIO: Army air/gnd stn now operates on 4765 kcs in addition to freqs previously published. (6-10) CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-5)

LAS VEGAS-RADIO: Soon rng will be shut down days for installation of auto. rng monitor sys. (6-3)

[redacted]: LAS VEGAS ARPT-Use rnwys only, bal fld unsafe. (2-21)
LOS ALAMOS AIRFLD-Closed. Landing permission must be obtained from the Area Manager, United States Atomic Energy Comm., Santa Fe Area, P.O. Box 1539, Santa Fe, N.M. (5-15)
LOVINGTON ARPT-Cattle on fld. (9-16)
MADDALENA MUN. ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (3-18)
OTTO, INT, SITE 74, LA-AQ-Unsafe lgt acft-rough. (6-18). These data rcvd too late for (0) symbol.
PARKER FLD (RUIDOSO-FT. STANTON)-Cattle on fld. (9-16)
ROSWELL-Inten inst train. on Roswell Radio Range below, above and in overcast. Acft inbound to Roswell or operating in vicinity under IFR, contact Roswell Radio for instructions.
ROSWELL AAF-Ltd parking. (2-16)
SANTA FE ARPT, new-Army acft rstd from refueling except in extreme emerg. (1-16)
TULAROSA ARPT-Use E/W strip only. (9-16)
WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condron Fld, White Sands Proving Ground will be cleared to Biggs Fld, Tex, and will obtain permission and instructions from Biggs Fld Opers before landing at Condron Fld. When Condron Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by rdo prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condron Fld. (10-14)
[redacted]: AERO LAKE SEAPLANE BASE (KINGSTON)-Right traffic when wind is from the N. (5-27)
ALBANY ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-22) FLD: Equip. on fld intermittently. (2-22)
AMSTERDAM ARPT-CLOSED (soft). (4-11)
BATH-H'SPORT ARPT (HAMMONDSPORT)-W landings and take-offs right traffic, E left traffic. Use strips only-newly seeded sod, slippery when wet. (5-28)
BENDER-BRENTWOOD FLD (BRENTWOOD)-Const on fld-ctn. (2-18)
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO-RADIO: Rng flgt-checked May 30, NE course 4° NW, bear. 226°.
BUFFALO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-26). FLD: Acft entering and departing Buffalo traffic zone use ctn-new arpt 4000' ESE. Rnwys and taxi strips mrkd with black flags for winter opers. (5-30)
CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control local traffic and at other times when circumstances make such practices consistent with safety. (2-22)
CHRISTIE ARPT Fld soft. Closed to trans acft. (3-8)
COLUMBIA AIRFLD (VALLEY STREAM)-Closed to all Navy acft except in emerg. (5-13)
**COUNTY ARPK (SPRING VALLEY)-Formerly carriedas Spring Valley Arpt. (2-17) See page 54.
FLOYD BENNETT FLD NAS (NEW YORK)-Avail. 0800 to sunset. Avail. to transport traffic after sunset upon receipt of 2 hrs prior req of ETA. (5-18)
FLUSHING ARPT-Right traffic on N and NW, wind from 315° to 360°. All turns to left on ground. (3-28)
FORT PLAIN INT, SITE 40A, CV-AZ-Unsafe heavy acft-soft. Lgt acft use ctn. (4-5)
FULTON ARPK-Right traffic when landing S and SE. (3-31)
GLOVE CITY ARPT (GLOVERSVILLE)-CLOSED (deep mud). (4-10)
**GREAT SOUTH BAY (LONG ISLAND)-Circular caution area centered at lat 40-42-30 long. 73-00-16 has been discont.
**HAYES ARPT (BLASDELL)-ABANDONED. (6-7). See page 50.
HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HYLAN FLD (ROCHESTER)-Use strips only-ctn when wet. (5-18)

[redacted]: IDLEWILD-RADIO: CAA ILS comm Apr 9. for purposes of pilot training and familiarization only. Hrs of oper: 8:30 to 5:00 Mon-Fri. Serves Rnwy C (ENE/WSW) with approach from WSW. Mag heading for landing: 72°. Lclzr freq. 109.5 mcs. Ident. "NY". Glide path freq. 332.6 mcs. Angle: 2.6°. Outer mrkr lctd 5.8 mi from end of Rnwy C, keyed two dashes per second. All acft utilizing this installation must clear with Navy twr at Floyd Bennett Fld. Idlewild Arpt is under const and minimum alt permitted during simulated approaches will be 200'. (4-11)
IDLEWILD ARPT-Not yet opened-const. (3-13)
ISLIP-RADIO: Comm of VHF rng has been indefinitely postponed. (5-2)
ITHACA ARPT-Right traffic pattern in use. (3-3)
KINGSTON ARPT-Right traffic when wind from S. (5-27)
KINGSTON-ULSTER ARPT-ESE/WNW strip closed. (3-20)
LA GUARDIA FLD (NEW YORK)-RADIO: ADF approach control inop until approx July 1 due to modification of commun and approach control equip. During this period IFR arvl acft will be under the control of New York Air Route Traffic Control Center. Air traffic control clearances will be delivered thru CAA Commun Stns or respective Airline Co. rdo facs. (6-20) CAA ILS flgt-checked June 11, glide path oper normal. Training and test period of GCA equip. inaugurated May 29. Equip. avail. 24 hrs daily during CFR weather conditions only. Voice call: "LaGuardia GCA". Guards 3105,6410,3117.5 kcs., 118.7,140.58 mcs. Transmits on 118.7 mcs. Pilots desiring practice GCA runs advise La Guardia GCA when 20 mi from La Guardia Fld. During periods of CFR weather only twr freq. 118/7 mcs reserved for service test of La Guardia GCA. All traffic calling La Guardia twr use other assigned freqs. (6-4) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (3-25) FLD: ARMY ACFT HAVING OFF. BUS. WITH HQ. ATLANTIC DIV ATC FT. TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. with Cmdr Eastern Sea Frontier or Hdqs 3rd Naval District when RON or refueling services not rqrd. Acft containing officers of flag rank shall hot be forbidden fld. TRANS NAVAL ACFT USE NAS FLOYD BENNETT. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Obst lgts atop lclzr shack approach end Rnwy 22 and end Rnwy 4 20' lgtd bldgs 300' E of NE end NE/SW rnwy. 40' GCA truck and trailer 500' W of intersection Rnwys 4-22 and 13-31, mrkd. 25' derrick operating in Bowery Bay vcnty of approach to Rnwy 9 until approx July 25, lgtd. (6-10) Port of New York authority advises that no four-engine acft carrying passengers or cargo shall use Rnwy 18-36 for landings or take-offs. (6-5)
MacARTHUR FLD (ISLIP)-Mobile ILS units 20' high on all rnwys 500' from rnwy centerline, lgtd. Acft use ctn-unconventional flight test oper. Equip. on fld daylgt hrs. (2-21)
MASSENA-RADIO: VHF range unmonitored.
MASSENA-156' twr Rdo Stn WMSA lctd 3 mi SW (232° true) temp lgtd with red lgts on top. Upon completion lighting facs will consist of 300 mm flash. bcn atop and four side lgts; two at 1/3 level, 2 at 2/3 level.
MASSENA ARPT-Use rnwys, taxi strips only-turf rough. (2-21)
MITCHEL FLD (HEMPSTEAD)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24). FLD: Rnwy 18-36 closed. (4-25)
**MORAVIA AIRHAVEN-ABANDONED. See page 52.
NANTICOKE VALLEY ARPK (MAINE)-Flares avail. in emerg. (3-17)
NASSAU ARPT (HEMPSTEAD)-Fld not maintained. (6-28)
NEW HACKENSACK ARPT-CLOSED. (3-10)
NEW YORK-Each week end, weather permitting, between the hrs of 0900 Sat and 1600 Sun, Naval acft from NAS New York will conduct live gunnery runs and practice bombing in the following areas over New York Harbor: beginning at lat 40-36, long. 73-15; to lat 40-49, long. 72-30; to lat 40-00, long. 72-30; to lat 40-00, long. 73-15; thence to poing of beginning. (2-6). THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.

[redacted] NEW YORK-SPECIAL NOTICE-New traffic control procedures entitled "Instrument Flight, New York Metropolitan Area", see Special Notice, page 152.

NEW YORK-SPECIAL NOTICE-All aircraft operating in the vicinity of Upper Manhattan, New York City, New York, avoid flying over or near Lewisohn Stadium, 137th and Amsterdam Ave., between the hrs of 2000 and 2300, June 16 to Aug. 9, lctn just E of the Hudson River Midway between the NW corner of Central Park, and the E end of the George Washington Bridge. (6-20)

NEW YORK CITY-See Special Notice "Restriction on Flight of AAF aircraft in New York City Area".

NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2100 to 0700. (6-16)

OLEAN ARPT-Fld hazardous. Keep off graded rnwy. Fone prior to using. (3-6)

PENN YAN ARPT-Ctn at N/S and E/W intxn. Soft in wet weather. (3-4)

RANDALL'S ARPT (MIDDLETOWN)-Fld soft in wet weather. (3-1)

REPUBLIC FLD (FARMINGDALE)-Closed ngts. No lgt facs. (3-3)

RIDGEWAY ARPK (ROCHESTER)-Use rnwys only-extreme ctn in wet weather.(3-27)

ROCHESTER ARPT-Use rnwys only-soft. No hangar space. Equip. on fld days.(2-24)

ROCKLAND ARPT (NEW CITY)-50' unlgtd pole immediate vcnty of arpt. (6-5)

ROME AAF-Traffic alt 1500' MSL. Right traffic pattern Rnwys 6,33, left traffic pattern Rnwys 10,15,24. Hospital 3/4 mi from Rnwy 28-avoid if possible. Clump of trees 125' to left and 700' from end of Rnwy 24. (4-18)

ROSS ARPK (PULASKI)-Use center of rnwys only. Sides soft. (4-5)

SALAMANCA ARPT-SPECIAL NOTICE: The Common Council of the City of Salamanca passed brdinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100 for each violation. Closed to heavy acft. Right traffic when taking off and landing into the W. (5-7)

SARANAC LAKE ARPT-Use rnwts, taxi strips only-turf rough. (11-27)

SCHENECTADY CO. ARPT-Equip. on fld intermittently. Use rnwys only, grass areas soft. (3-26)

SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic when landing to the E. 800' mtn directly N of fld. (5-5)

SCOTT FLD (LANCASTER)-CLOSED. (6-6)

SHAWNEE FLYING SERVICE (NORTH TONAWANDA)-Glider activity, including airplane and auto tow in progress during the summer and autumn months. (6-12)

SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const-NE/SW avail. with ctn. (2-21)

SILVER CREEK ARPT-CLOSED (const) (6-12)

SMITHPORT INC. (UTICA)-Use paved rnwy only. (5-9)

**STEWART (MASSENA)-CLOSED. (11-6). See page 17.

STEWART FLD (NEWBURGH)-No Army acft will be cleared this fld under IFR.(4-4)

SYRACUSE MUN. ARPT-Turf areas soft after heavy rains. About Sept. 1, approach lgt lane will be comm E end E/W rnwy. (6-20)

TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (2-25)

TROY ARPT-Bcn inop. (10-10)

UTICA-RADIO: 116.1 mc transmitter and rcvr temp inop. (6-19). These data rcvd too late for ⓪ symbol.

UTICA ARPT-Pipe line installations NE side of fld, mrkd. Equip. on fld days. (6-19) These data rcvd too late for symbol.

VALLEY AIR PARK (MIDDLEBURG)-Fld soft. Right traffic when landing to NW. New strip under const. Present strip will have equip. on it all summer. (3-17)

WARREN CO. ARPT (GLENS FALLS)-Equip on fld intmtly. (5-27)

WATERTOWN-RADIO: VHF range unmntnd.

WERLE FLD (DUNKIRK)-Scattered ruts on fld, mrkd. (6-19). These data rcvd too late for symbol

WESTCHESTER ARPT INC. (ARMONK)-Const, tree removal equip. trucks on fld. (4-15)

[redacted] **WESTCHESTER CO. ARPT (WHITE PLAINS)-RADIO: CAA twr now transmits on 260 kcs., 118.9 mcs. Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (6-6)

WINGDALE ARPT-Avail. lgt acft only-rough. (3-21)

ZAHNS AIRFLD (AMITYVILLE)-Right traffic when landing and taking off to the N as P84 Jets are flying from Republic Fld. (5-8)

[redacted] ASHBORO ARPT-220' twr Rdo Stn WGWR being erected 6.5°mi NNE (13° true), temp obst lgtd. (5-14)

ASHEVILLE-RADIO: Apr 18, VHF range comm at lat 35-23-28, long. 82-32-44. Visual courses: 110°, 290°; aural courses: 20°, 200°. Ctn-rng unmonitored. Unattended and should not be used for navigational purposes. Freq. 108.7 mcs. Ident. "VP". Class: VARW. "N" signal to E. Blue sector to N, yellow to S.

ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy, approach all rnwys with ctn, equip. on fld. No rdo facs. (1-7)

ATLANTIC MCAAF-Use in emerg only (caretaker status - no facs)

BALLOON FIELD NO. 1 (FT. BRAGG)-CLOSED TO ALL ACFT. No Army maintenance.

BOGUE MCAAF-Use in emerg only (caretaker status-no facs). (4-16)

BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (12-6)

BURLINGTON ARPT-N/S strip and all sod area unusable. Use rnwys only. (2-20)

CAP ARPT (RALEIGH)-S 200' N/S strip unusable. SW 1400' NE/SW strip under const. (2-10)

CHARLOTTE-RADIO: Rng figt-checked June 17, courses correctly aligned.

**DOUGLAS ARPT (CHARLOTTE)-Ident of bcn changed from CE to CF. (6-11)

EDENTON NAS-Use in emerg only (caretaker status-no facs)

ELIZABETH CITY-RADIO: May 1, VHF range without voice comm at lat. 36-14-49, long. 76-17-25. Freq. 108.3 mcs. Ident. "ES". Class: VARW. Aural courses: 126°, 306°, visual courses: 38°, 218°. "N" signal to N. Blue sector to W, yellow sector to E. Operated on unmonitored basis, unattended and should not be used for navigational purposes. This corrects Airgi, Vol. 2, No. 2, (5-2)

ELIZABETH CITY CGAS-Stay on rnwys-shoulders soft, rough. Closed ngts from 1900 to 0700 except on prior arrangement. Civil acft use only in emerg or with prior permission of the CO. Closed to acft exceeding 60,000 lbs gross weight. Rnwy 5-23 closed. Equip. on fld. (6-13)

FORT BRAGG-Heavy firing is being conducted in all sections of Ft. Bragg danger area up to 20,000'. All acft must avoid this area shown on Flight Planning Chart 95 herein. Inten training days with rdo control target planes from fld 6 mi due E of N end Pope Fld. Acft will operate within circle of 4 mi radius from center of fld will max alt of 2000' taking off by catapult, landing by parachute.

GASTONIA MUN. ARPT-Training program consisting of from 2 to 6 acft. in progress ngtly during CFR conditions. All flights conducted below 3000'. (1-29)

GREENSBORO-HIGH POINT ARPT-Both sides rnwy 32 to intxn soft, rutted. Use rnwys only. No Navy svcg facs. (3-25)

HICKORY-RADIO: VHF range, no voice comm at lat. 35-43-30, long. 81-16-48. Visual courses: 72°, 252°; aural courses: 162°, 342°. Freq. 108.3 mcs. Ident. "HO". Class: VARW. "N" signal to E. Blue sector to N, yellow sector to S. Ctn-unmonitored, unattended and should not be used for navigational purposes.

KINSTON ARPT-Avail. civil acft only in emerg. (11-13)

NEW BERN-RADIO: Visual-aural VHF rng completely shut down May 1, for freq. change. (5-22)

★OAK GROVE MCAAF (POLLOKSVILLE)-RADIO: Navy twr decomm June 12.

**FLD: No lgts, no serv. [redacted]tive. (6-12). See page 96

POPE FLD (FT. BRAGG)-RADIO: Effect. Apr. 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Army rng unreliable; all courses swinging and NW and SE courses too wide on on-course signal. (5-12) FLD: CLSD TO LIAISON TYPE ACFT WITHOUT 2-WAY RDO-USE AUX FLD 2 MI S, AT FT. BRAGG. 73 oct. avail. that fld. (1-31)

★RALEIGH-DURHAM ARPT-RADIO: CAA twr now transmits on 272 kcs., 126.18 118.3 mcs. (6-10) About June 25, CAA twr freq will be changed to 266 kcs.,

NORTH CAROLINA: 126.18, 118.3 mcs. FLD: ILS and transmitter bldgs 900' from NE end NE/SW rnwy. Glide path unit 400' S centerline and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obsts mrkd. Use rnwys, taxi strips only. Tetrahedron uncontrollable-free swinging. (6-21)

ROANOKE ISLAND ARPT (MANTEO)-Bcn inop. (10-4)

ROCKY MOUNT-RADIO: Apr. 22, VHF range without voice comm at lat. 35-59-00, long. 77-43-42. Aural courses: 174°, 354°; visual courses: 84°, 264°. Freq. 109.1 mcs. Ident. "RI". Class: VARW. "N" signal to E. Blue sector to N; yellow sector to S. Ctn-not monitored, unattended and should not be used for navigational purposes. This corrects Airgi, Vol. 2, No. 3.

SEYMOUR-JOHNSON FLD (GOLDSBORO)-Use rnwys only-shoulders soft.

SMITH REYNOLDS ARPT (WINSTON-SALEM)-N/S rnwy lgts very dim. E/W rnwy under const-closed. (6-4)

THOMASVILLE ARPT-Ctn-strip rolling. (3-25)

WEEKSVILLE NAF-LTA-Avail. HTA and LTA acft from 0800 to 1630, all other times by prior arrangement with the CO or Operations Officer. (2-27)

WILMINGTON-RADIO: Apr. 22, VHF range without voice comm at lat 34-21-40, long. 77-53-30; aural courses: 146°, 326°; visual courses: 56°, 236°. Freq. 108.7 mcs. Ident. "VT". Class: VARW. Ctn-not monitored, unattended and should not be used for navigational purposes.

WINSTON-SALEM-RADIO: May 23, stn shut down for conversion to an SMRLZ fac. (5-23)

[redacted]: BISMARCK-RADIO: 116.1 mc transmitter and rcvr temp inop. (6-18)

BISMARCK ARPT-Use rnwys only. Crash and fire fighting equip. avail. 0800 to 1900 only. 12' bldg and trenching opers in vcnty SE end NW/SE rnwy, mrkd. Equip. on fld intmtly. (5-14)

CHANDLER ARPT (WILLISTON)-Use strips only, bal fld rough. (5-10)

DAWSON INT, SITE 63, HL-TWIN CITIES-CLOSED (water, mud on fld)(3-24)

**FARGO-HECTOR FLD (FARGO)-Permanent obstn glide path bldg 400' W of intxn: on N/S and NE/SW rnwy, mrkd days by red flags, ngts by lanterns. (6-18). Weather below CFR minimums indicated by oper of bcn days and flash. tetrahedron lgts ngts. (6-18)

GRAND FORKS ARPT-Thirty 50' tanks adj to NE corner fld, temp lgtd. Use rnwys only, soft shoulders. (5-6)

PEMBINA INT, SITE 14A, FO-WG-Closed to acft over 5000 lbs. Use rnwys only. (6-4)

VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES-Heavy acft use rnwys only, bal fld soft. (6-14)

**WASHBURN INT. #4-Lat. 47-21-30, long. 101-01-30. See page 9.

[redacted]: AKRON ARPT-Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg on arvl and dptr. Ltd svcg facs only. (5-1)

AKRON-CANTON ARPT-CO. FLD (CANTON)-Use rnwys only. No down-wind taxiing on rnwys. Equip. on fld days. (5-7)

BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)

BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to N, W, and SW. (3-1)

BROOKLYN ARPT (CLEVELAND)-Trans acft land at own risk.) (2-22)

BRYAN-DEFIANCE MEMORAIL ARPT (DEFIANCE)-NE/SW rnwy under const. 50 pot torches on E/W rnwy avail. for ngt landings on prior req. (2-26)

CEDAR LAWN ARPT (KENTON)-Use strips only. (6-26)

CHARDON ARPT-Use rnwys only. Soft in spring rainy season. (5-13)

CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. Land with wind tee regardless of wind direction. (11-25)

CLEVELAND-RADIO: VHF omni-directional rng comm without voice. Oper cont. Lctd at lat. 41-27-00, long. 81-58-17. Freq. 113.9 mcs. Ident. "CV". Class: VORW. CTN - UNMONITORED.

CLEVELAND ARPT-Trans pilots must register in Terminal Bldg upon arvl and dptr. Landing fee on all civil multi-engine acft. (6-23)

OHIO: **CLINTON CO. AAF (WILMINGTON)-RADIO: Glide path angle of Army ILS changed to 2.5°. (4-9) FLD: Rnwy lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC center upon entering or prior to dptr from ATC area. Inten inst training being conducted; for danger area outline see Chart Columbus 63. Balloon 6' in diameter, 25' long will be hoisted to 25' MSL before during and after thunderstorms at approx lat 39-11-00, long. 83-47-00. (5-15)

COLDWATER INT, SITE 4, DY-GO-Entire fld open. These data rcvd too late to delete ⓪ symbol.

DAYTON ARPT-RADIO: CAA ILS shut down until approx June 25, to add voice and ident to lclzr. When oper resumes sys will be consisted of lclzr, glide path middle mrkr, and compass lctrs. (6-11) FLD: Sod area W Rnwy 18-36 rough-use in emerg only. At ngt and during wet weather use rnwys only. (5-10)

FAIRFIELD-RADIO: Army FM unreliable. (2-17)

GRIESER ARPT (WAUSEON)-Use strips only. (7-3)

GRIMES FLD (URBANA)-Use strips only. Land according to wind tee lctd in center of fld. (3-1)

LAKEVILLE ARPT (CONNEAUT)-Closed to heavy acft. Ctn in wet weather. Use strips only. (3-27)

LAKEWOOD ARPK (CINCINNATI)-Right traffic E, left traffic W. (2-23)

LANSDOWNE ARPT-Rough-land with ctn. Soft in wet weather. (5-13)

LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (12-30) FLD: Equip. all rnwys 0800 to 1700 Mon to Sat until Aug. 31. (6-3)

LORAIN SKYPORT-Trans acft avoid fld in wet weather. (5-13)

LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Rnwy 6-24. (3-28)

MANSFIELD ARPT-Use rnwys, taxi strips only. Equip. on fld (const). Temp 25' pwr line erected along W side fld S of hangar line. (5-2)

MARION ARPT-Use only NE/SW, NW/SE strips W side fld. NE/SW, NW/SE strips extend into cultivated area W end fld. (6-4)

McKINLEY ARPT (CANTON)-80' twr NW corner fld. (4-28)

MEDINA PRICHARD ARPT (MEDINA)-E/W, NE/SW strips closed. Land N-S in W portion of sodded fld. Watch where local acft land. (2-3)

MIDDLETOWN ARPT-Right traffic pattern taking off to S, SW and W.

NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)

OHIO STATE UNIVERSITY ARPT (COLUMBUS)-Const. Trans use rnwys only. (2-26)

PARKS WATSON ARPT (CINCINNATI)-Right traffic intake-offs to E, NE, SE. (3-3)

PATTERSON FLD (FAIRFIELD)-RADIO: Army ILS (SCS-51) inop. (6-2) FLD: Equip. on fld. Line of telephone poles 50' high near approach Rnwy 34, lgtd. Rnwys 3-21, 7-25 closed; 16-34 only avail. (4-21)

PAULDING ARPT (PAULDING)-Soft when wet, land at own discretion. (2-26)

**PAULDING CO. ARPT (PAULDING)-Correct name - Paulding Arpt. See page 46.

PORT COLUMBUS NAS (COLUMBUS)-RADIO: Compass lctrs at middle and outer mrkr sites of CAA ILS will be comm soon. (5-22) FLD: Use rnwys only-grass areas rough. Glide path and neon approach lgts not operating pending removal of obsts in approach lane. 30' port twr on Curtis Wright taxi strip W side fld 800' from E/W rnwy and 800' from NW/SE rnwy until approx July 7 between 0800 and 1700. No fuel for trans mil acft. (6-20)

RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)

REED'S FLD (WATERTOWN)-Acft use ctn in wet weather. (5-13)

SKY HAVEN ARPT (NORTHFIELD)-Ctn when wet. (2-24).

STOMBAUGH ARPT (BRYAN)-Ctn wet weather. Use rnwys only. (2-20)

STOUT FLD (NORTH KINGSVILLE)-E/W strip closed. (6-1)

TAYLORCRAFT ARPT (ALLIANCE)-No rdo. Left traffic 800' pattern. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots must register in Opers Office upon arvl and prior to dptr. (5-13)

TOLEDO-RADIO: VHF omni-directional rng comm without voice. Oper cont. Lctd at lat. 41-31-05, long. 83-25-05. Freq. 113.1 mcs. Ident. "TL". Class: VORW.CTN-UNMONITORED.

[redacted]: TOLEDO ARPT-Equip. on fld 1500' S, intsn. Wind tee free swinging. All sod landings parallel to active rnwy. (5-10)
VAN WERT ARPT-Unsafe heavy acft. Lgt acft land with ctn. Soft when wet. (5-1)
WALLINGTON ARPT (SODUS)-Wires S end N/S strip, orchard N end. Equip. on fld. Avail. lgt acft only. Ctn when wet. Avail. days only. (5-29)
WARD ARPT (BEDFORD)-SW end NE/SW strip under const. Strips unusable during thaws. (3-2)
WELLINGTON-RADIO: VHF range comm June 10 without voice, unmonitored and without automatic standby equip. Freq. 108.7 mcs. Ident. "WEO". Lat. 41-09-56, long. 82-07-30. Visual courses: 100°, 280°; aural courses: 10°, 190°. Flgt-checked (6-10). Blue hemisphere in N; "N" in E. (6-18).
WELLINGTON ARPT-Right traffic on S and SW rnwys. Const N end N/S rnwy. Closed during thawing weather. (3-13)
WILLOUGHBY ARPT-New NW/SE strip under const. Use with ctn. (5-13)
WRIGHT FLD (DAYTON)-CLOSED TO ALL TRANS ACFT EXCEPT IN EMERG. All trans Army and Navy acft use Patterson Fld. (3-18)
YOUNGSTOWN-RADIO: VHF omni-directional rng comm without voice. Oper cont. Lctd at lat. 41-19-51, long. 80-40-26. Freq. 115.7 mcs. Ident. "CT". Class: VORW. CTN - UNMONITORED.
YOUNGSTOWN ARPT-Use rnwys only. Equip. on fld. (3-13)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron ngts on req only. Rnwy lgts inop. (6-4)
[redacted]: ALTUS AAF-Avail. only for delivery surplus mil acft or in emerg. Equip. on and near N/S rnwy. (3-17)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg. only. No fuel or svcg avail. trans acft-use Ardmore Arpt, Site 10, FV-WD. Inten ctc and inst train. in progress. Use rnwys only. (5-27)
★BROWN ARPT (TULSA)-RADIO: Mun. twr comm June 12, transmitting on 317 kcs. See page 84.
CADDO FLYING SVC. (FT. COBB)-Use with ctn when wet. (3-9)
CIMARRON FLD (YUKON)-Now a WAA Sales and Sto. Ctr. No svcg, repairs or overngt sto. Planes parked on fld.4 strips indicated by pylons and mrkrs. Lime mrkings center of each strip. (3-17)
COUNTRY CLUB ARPT (OKLAHOMA CITY)-Only N/S, NW/SE strips avail. (3-17)
GAGE-RADIO: Soon, weather permitting, rng will be shut down days for installation of auto. rng monitor. sys. (6-3)
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
GUTHRIE MUN ARPT-Course lgts changed to red. Bndry lgts decomm. (3-17)
HATBOX FLD (MUSKOGEE)-Use rnwys only-parked acft.
IDABEL ARPT-Avoid S 1/3 N/S strip after heavy rains. (2-28)
LAWTON ARPT-Obst lgts inop. Bndry, flood lgts on req. (3-17)
MAX WESTHEIMER FLD (NORMAN)-Avail. all acft up to 30,000 lbs days only. Lcl traffic avoid flying over bldg area and corporate limits of Norman. (3-17)
NUCKOLS FLD (OKLAHOMA CITY)-Use rnwys only. (1-14)
POST FLD (FT. SILL)-All except liaison acft use rnwys. Rnwy unlgtd; closed ngts. Const, equip. on fld. Bcn stop water twr inop. (3-7)
ROOSEVELT-RADIO: Ctn - VHF rng unmonitored. (4-10)
SHAWNEE ARPT-Use rnwys, taxi strips only. (3-17)
STILLWATER ARPT #1-325' twr Rdo Stn KSPI being erected 4 mi SSE (160° true) (2-20)
TINKER FLD (OKLAHOMA CITY)-RADIO: Army rng reliable for homing only.(3-6) FLD: Use rnwys, taxiways only. Stored acft adj rnwys. W ramp congested. 6' obstn N end N/S rnwy 100' off center. (5-26)
★TULSA-RADIO: Auto. range monitor. sys comm June 9.
TULSA ARPT-RADIO: Glide path of CAA ILS inop. (4-7) FLD: Pilots without rdo watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only. (3-28)
WILL ROGERS FLD (OKLAHOMA CITY)-RADIO: About June 17, outer mrkr of CAA ILS will be shut down for installation of compass lctr. (5-26) FLD: Bndry lgts

[redacted]: inop-ctc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 type acft. Use rnwys, taxi strips only. (4-9)
WOODRING FLD (ENID)-Use rnwys only. (8-5)
[redacted]: BAKER ARPT-Use rnwys only. (5-20)
BEND ARPT (old)-Usable in emerg. (5-2)
COASTWAY SCHOOL OF AERONAUTICS (TILLAMOOK)-Right traffic W takeoffs and landings. (3-17)
EUGENE ARPK-Rnwy pavement not built to withstand acft weighing over 4000 lbs. Equip. on fld days. Open culverts along rnwys. (6-6)
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade. (6-5)
HOOD RIVER ARPT-Avail. lgt acft. Soft when wet. (3-13)
KLAMATH FALLS ARPT-Rnwy lgts Rnwy 7-25 inop. (2-19)
LEXINGTON ARPT-Right traffic when landing to the E. (4-28)
MAHLON SWEET FLD (EUGENE)-Equip. on fld. Use rnwys only. (5-2)
MEDFORD ARPT-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Use rnwys, taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10 mph. No bndry or flood lgts. No maintenance mil acft. (3-12)
★ONTARIO-RADIO: Correct freq of MH fac 305 kcs. This correct Airgi, Vol. 2, No. 6. 122.1 mc rcvr temp inop until approx June 24, (6-10)
PILOT ROCK ARPT-Usable lgt acft. (5-2)
★PORTLAND ARPT-RADIO: CW call sign of Army air/gnd stn changed to WYZ. (6-4) Glide path of CAA ILS flgt-checked, oper normal. (6-19) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-24). FLD: Instrument approach lgts inop. (2-4). Other fld lgts prior req. See page 142. Acft landing this fld must have workable 2-way rdo. (5-20)
ROSEBURG INT, SITE 41A, SF-SA-Unlgtd 100' pole 1200' S, 300' E of bndry.(12-3)
SANTIAM JCT FLIGHT STRIP (IDANHA)-Land to the E, take-off to W. (3-13)
SEASIDE ARPT-Right traffic S takeoffs and landing. (3-17)
SUTHERLIN SKY RANCH ARPT-CLOSED. (6-14)
THE DALLES ARPT-NE/SW rnwy unlgtd. Rnwy 2-20 closed. (6-12)
TILLAMOOK NAS-Rot. bcn operates from sunset to sunrise and during IFR conditions. Ctn during low visibility. High terrain surrounds stn in all quadrants. (12-13)
TROUTDALE ARPT-Parked acft. (3-13)
TULANA ARPT (WORDEN)-Soft when wet. Pilots use at own risk. (5-2)
[redacted]: ALLEGHENY CO. ARPT (PITTSBURGH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-17) FLD: N/S rnwy closed. Equip. on fld, mrkd. Closed to non-rdo-equipped acft. Truck and trailer N edge NW/SE rnwy, lgtd. Flash. ident. bcn inop. Exten repairs on all rnwys and taxi strips, mrkd. (5-28)
ALLENTOWN-RADIO: VHF range comm Apr 24 operating without voice at lat. 40-44-25, long. 75-27-20. Freq. 109.1 mcs. Ident. "XA". Visual courses: 107°, 287°; aural courses: 17°, 197°. "N" signal to E. Blue sector to N, yellow sector to S. Bear. from stn to N end N/S rnwy Allentown-Bethlehem Arpt: 178°, 5.7 mi. Class: VARW. This corrects Airgi, Vol. 2, No. 3.
ALLENTOWN-BETHLEHEM ARPT-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9-14,18 inop. 150' twr Rdo Stn WSAN being erected 7 mi S (. 180° true) (3-20)
BARRETT ARPT (CANADENSIS)-CLOSED (const)(12-18)
BEAVER FALLS-Patterson Heights Arpt-1.5 mi S Beaver Falls is not under const, entirely avail. New fld., Beaver Falls Arpt closed-under const and soft. (3-30)
BETHLEHEM-EASTON ARPT (EASTON)-Right traffic when taking off to SW, W and NW. (1-2)
BLAIR CO. ARPT, SITE 24A, CO-PG (MARTINSBURG)-Use rnwys only. (4-8)
★BROOKVILLE-RADIO: H fac, freq. 391 kcs, voice fac, radio rcvg watches, weather reporting svc, and teletype facs recomm June 18. Opers 0700-2300 on req; cont other times. Voice avail. on 116.1 mcs. Gds 3105,4495,6210,3117.5 kcs. 116.1 mcs (6-18). These data rcvd too late for inclusion on data page.

[redacted]: BUTLER-ALAMEDA ARPT (BUTLER)-Pilots avoid hospital area adj arpt. Use right traffic on W take-off. (3-14)
CARLISLE ARPT-NW/SE strip under const. Use ENE/WSW strip only. (3-11)
CECIL-RADIO: Visual and aural FM signals reported in vcnty of Imperial,Pa.(6-15)
CHEMUNG VALLEY ARPT (ATHENS)-Right traffic when taking off or landing to the W and E. 500' extension E end E/W strip under const. Soft when wet. (2-21)
CLEARFIELD ARPT-Right traffic when landing or taking off to E,NE,& SE. (4-3)
CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. Lgt acft may land in grass area immediately S of E/W rnwy-avoid area in wet weather. Pwr lines E. (3-10)
DALEVILLE ARPT-Right traffic used on S to SE take-off.
EMLENTON ARPT-CLOSED. (5-28)
GREATER PITTSBURGH ARPT (PITTSBURGH)-First 500' Rnwy 23 and first 600' Rnwy 14 closed. Ltd transportation. (6-2)
GREEN ACRES ARPT (BEAVER MEADOWS)-Strips soft when wet, use sodded area only. Const N/S rnwy. Use NW/SE, E/W, NE/SW strips. (2-21)
★HARRISBURG STATE ARPT-RADIO: CAA twr transmits on 278 kcs, 118.7 mcs. This correct Airgi, Vol. 2, No. 6 (6-19). Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-19) FLD: Use rnwys only. (3-12).
JOHNSTOWN ARPT-Use rnwys only. Army Reserve Training Sundays. (5-10)
KAISER FLD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only. (3-31)
LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd-stay between red flags. Sinkhole extreme E end E/W strip-2 holes S end N/S strip, mrkd. (3-12)
LANSDALE ARPT-Right traffic when taking off to the E. (5-7)
MIFFLIN CO. ARPT (REEDSVILLE)-NW/SE strip under const. (5-21)
MILLARD ARPT (ANNVILLE)-Sod area soft-use strips only. (5-12)
MT. POCONO ARPT, SITE 21, BJ-LG-Ruts along extreme SE side NE/SW rnwy. Use ctn when taxiing this area. (3-24)
MT. UNION ARPT-Left traffic 600' pattern. Student training. Land according to wind tee S end fld. Wind sock atop hangar. In wet weather,use only rnwys,taxi strips
**MT. VIEW ARPT (NICHOLSON)-Formerly carried as Nicholson-Mt.View Arpt (Nicholson).
MUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familiar with fld and sur. obsts. Others and pilots of transport planes over 9000 lbs use Phila. SW Arpt for ngt landings and take-offs. Clsd to acft 50,000 lbs or over. Left traffic pattern at 1000'. Rnwy 14-32 closed 1500 to 1930 for evaluation tests. (6-20)
OLMSTED FLD (MIDDLETOWN)-Ngt landing hazardous.Obsts adj fld.81' high tension wires across appch zones Rnwys 29,14. Lgtd obsts between Rnwys 29,32,approx. 1000' from rnwys. 2-150' obsts right of rnwy 29, lgtd. Ridges to WSW,ENE 300-700' higher than fld.Clsd to B-29 opers.Use rnwys 11,32 for ngt landings.(4-25)
PHILADELPHIA NORTHEAST ARPT-Use rnwys only. Trans pilots must register in Admin Bldg on arvl and dptr. (5-16)
★PHILADELPHIA SOUTHWEST ARPT-RADIO: CAA ILS operating on monitored basis. (6-13). Twr equipped to transmit on and gd 121.9 mcs for mobile gnd traffic FLD: Clsd to non-rdo-equipped acft except in emerg. Const on fld. Use rnwys only Use ctn in taxiing. Unlgtd poles approx 20' high across appch to Rnwy 9 approx 1200' W of appch end of rnwy. Other unlgtd poles 45' high in const area W and NW of arpt-clear of appchs. (6-4)
PITTSBURGH-BETTIS ARPT-Right traffic on NE and NW rnwys. (3-14)
PITTSBURGH-BUTLER ARPT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (3-14)
PORT ERIE ARPT (ERIE)-RADIO: CAA ILS placed in cont oper, without voice, for equip. test and shakedown purposes May 26, expect formal commissioning June 10. Approach bear. 60°, serving NE/SW rnwy. Var. 6° W. Lclzr lctd 375' from NE end of NE/SW rnwy, at lat. 42-05-03, long. 80-10-15, elev. 729' MSL. Freq. 110.3 mcs. Ident. "ERI". Middle mrkr lctd 3264' from SW end of NE/SW rnwy at lat. 42-04-18 long. 80-11-42, elev. 731' MSL, keyed cont alt. dots and dashes. Outer mrkr lctd 4.35 mi from SW end of NE/SW rnwy at lat. 42-02-18, long. 80-15-15, elev. 800' MSL, keyed cont two dashes per sec.

[redacted]: QUAKERTOWN ARPT-Exten training 5 mi radius. (6-9)
READING ARPT-RADIO: CAA ILS oper on Rnwy 36 on exper basis. Lclzr on 109.5 mcs. Not flight-checked. Lclzr temp inop. (5-6) FLD: Ridges S and E within 4 mi of fld up to 1200' MSL. Equip. on fld. days. Right traffic on Rnwys 13 and 18. (1-15)
STAR VALLEY ARPK (CHARLEROI)-Equip. on fld intmtly. Ctn in wet weather. (4-1)
**STROUDSBURG-E. STROUDSBURG ARPT-Lat. 41-02-15, long. 75-09-45. See page 52
SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings. (4-8)
VALLEY FORGE ARPT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (3-13)
WEST CHESTER ARPT-Strips under const. Right traffic on W and N take-offs. (6-3)
WILKES-BARRE-SCRANTON ARPT-Use rnwys only. (6-4)
WILKES-BARRE-WYOMING VALLEY ARPT-Use rnwys only. Closed ngts. Bndry and obst lgts avail.in emerg or by prior req. 380' rdo twr being erected 7 mi S (170° true). (5-2)
WILLIAMSPORT ARPT-Clsd ngts. Rnwy lgts avail. for emerg landings or by prior req. Const S side fld, mrkd. (5-23)
WILLOW GROVE NAS-Closed from official sunset to 0800. (3-14)
WINGS FLD (AMBLER)-Being seeded. Equip. on fld. (3-26)
[redacted]: CHARLESTOWN NAAS-Closed 1800 to 0700. Flights desiring landings during closed hrs must notify stn 1 hr prior ETA. (3-13)
GREENE ARPT, T.F. (PROVIDENCE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-7) FLD: Soft spot on turf area S of rnwy intxn, mrkd. During daylgt hrs arpt rstd to acft equipped with at least a functioning 200 to 400 kc rcvr. During hrs of darkness rstd to acft with functioning 2-way rdo. (5-8)
PROVIDENCE-RADIO: Ctn - VHF rng unmonitored. (5-21)
[redacted]: CLARK FLD (CHARLESTON)-Strips rough. (4-28)
CONGAREE FLD (COLUMBIA)-NG svcg not yet avail. (3-25)
FLORENCE ARPT-Closed ngts (bcn, rnwy, obst lgts inop). Ditching alongside rnwys. Equip. on fld days. Ditches lgtd by smudge pots ngts. Use rnwys only. (5-26)
GEORGETOWN CO. ARPT-Bcn inop. (4-28)
GREENVILLE AAB-RADIO: Army emerg bcn placed in oper on 1742 kcs. Bcn is jeep-mounted and will be placed at approach end of active rnwy upon req to twr, 24 hrs daily. Ident consists only of series of dots followed by 2 long dashes and then repeats. No voice modulation avail. Pwr is 5 watts with rng limited to 15 mi. (5-23). FLD: Occasional heavy glider traffic. Maintenance 0830 to 1700 only. Acft parked on E/W rnwy. No JP-1 fuel. (6-16)
JENNINGS ARPT (ORANGEBURG)-115' unlgtd derrick 3/4 mi N. (3-21)
LEXINGTON CO. ARPT (COLUMBIA)-RADIO: Twr inop. (4-24) FLD: Control of air traffic discont. Bndry lgts inop. 1 range lgt SW end NE/SW rnwy inop. E/W rnwy lgts very dim. (6-6)
MEMORIAL ARPT (SPARTANBURG)-Use rnwys, taxi strips only. (5-1)
MYRTLE BEACH-RADIO: Apr. 22, VHF range without voice comm at lat 33-43-20, long. 78-53-15. Aural courses: 145°, 325°; visual courses: 53°, 233°. G Freq. 108.3 mcs. Ident. "MU". "N" signal to N. Blue sector to W, yellow sector to E. Class: VARW. CTN - UNMONITORED, unattended and should not be used for navigational purposes. This corrects Airgi, Vol. 2, No. 3
MYRTLE BEACH AAF-Inst training at 1000 and 5000' alts 50 mi radius during IFR. (6-9)
OWENS FLD (COLUMBIA)-Use rnwys only. Req pilots avoid pivoting acft on NW end NW/SE rnwy. Small acft parked on ramp front Admin Bldg. mrkd. (6-11)
PARRIS ISLAND MCAS-Use in emerg only (caretaker status-no facs)
WOODWARD FLD (CAMDEN)-Use rnwys, taxi strips only - field tie-downs in this area. No facs for closing flight plans other than fone. Flight plans should be closed with Shaw Fld twr before landing. Closed ngts. (4-28)

[redacted]:ANDERSON ARPT (MITCHELL)-Areas off rnwys soft in wet weather. (3-27)
BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (3-27)
BIEDENFELT FLD (FAULKTON)-Hay stacks on fld. Use strips only. (3-27)
BROOKINGS ARPT-W portion fld soft in wet weather, bal fld usable with ctn. (3-27)
GERONIMO ARPT-Rough and dangerous-unattended. (5-20)
**McINTOSH ARPT-ABANDONED. (6-13) See page 9.
RAPID CITY AAB-Equip. 300' S of E/W rnwy to 700' W of N/S rnwy; equip. lgtd. E/W rnwy closed. (6-4)
SIOUX FALLS MUN ARPT-Use rnwys only. Tetrahedron rmvd. Infld rough 100' E of center of NE/SW rnwy, mrkd. (4-8)
WATERTOWN-RADIO: 122.1 mc rcvr temp inop. (5-6)
W. W. HOWES ARPT (HURON)-Closed to acft exceeding 25,500 lbs. Use black-top rnwys only. Stakes on grass areas. (6-4)
[redacted]:BERRY FLD (NASHVILLE)-RADIO: Lclzr of CAA ILS resumed normal oper. Operating without voice. Flgt-checked June 16. FLD: Use rnwys only-rnwy, taxiway shoulders soft. (1-13)
CHATTANOOGA ARPT-LOVELL FLD-RADIO: 126.18 mc transmitter and rcvr at CAA twr temp inop. (5-8) FLD: Intermittent dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (2-27)
CORNELIA FORT ARPK (NASHVILLE)-Landings and take-offs to S use left traffic, to N right traffic. All approaches must be 180° side from 800'. (5-7)
CUMBERLAND FLD (NASHVILLE)-Strips under const.
DYERSBURG-RADIO: Apr 22, VHF range without voice comm at lat 36-01-11, long 89-19-00. Aural courses: 106°, 286°; visual courses; 16°, 196°. Freq. 109.1 mcs. Ident. "DJ". Class: VARW. "N" signal to N. Blue sector to W, yellow sector to E. Ctn-unmonitored, unattended and should not be used for navigational purposes.
**HUMBOLDT MUN-ABANDONED. (12-12) See page 90.
LEBANON AIRPORT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)
McGHEE TYSON ARPT (KNOXVILLE-S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. (3-13)
McKELLAR AIRPORT (JACKSON)-Use rnwys only - parked acft.
MEMPHIS-Scheduled night training flights will be conducted in vicinity by trainer type aircraft Thursdays 1930C to 2230C until further notice. This activity has not yet been cleared with the Airspace Subcommittee.
MEMPHIS ARPT-RADIO: Middle and outer compass lctrs of CAA ILS temp inop. (6-19) Twr and approach control will be inop during period when wind velocity at Memphis is in excess of 45 MPH. At such times, traffic will be controlled by lgt gun signal from lctr atop term bldg on S side arpt. (11-19) FLD: Fld badly eroded. Use rnwys only-shoulders soft. Equip. on fld. Avail. private acft equipped with fully operating 2-way rdo transmitting on 3105, 4495, 6210 kcs or 122.5 mcs. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft not permitted Ltd facs. No 91 oct. (6-17)
MEMPHIS FLYING SERVICE-Right traffic N take-offs and landings; left traffic S take-offs and landings. NE/SW, E/W rnwys closed. (2-24)
MEMPHIS NAS-Prior notification rqrd for landings between off. sunset and 0730 except in emerg. Flight plans should be addressed to "MEMPHIS NAVY". Exten flight opers in 15 mi radius. Traffic left at 1000'. Red rot. bcn indicates IFR. Unsafe for acft over 27000 lbs. (5-10)
OUTLAW FLD (CLARKSVILLE)-Avoid bare spots on NE/SW, NW/SE strips during rains and after thaws. Use grass spots only. (1-13)
SMYRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (3-7) FLD: Temp inactive-no facs. (6-8)
STEWART FLD (UNION CITY)-Use rnwys only-parked acft.

[redacted]:TRI CITY ARPT (BRISTOL)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only-rough. Soft when wet. (4-8)
[redacted]:ABILENE-RADIO: Stn guards 3117.5 kcs 2300 to 0700.
ABILENE AIR TERMINAL-E/W rnwy avail. only on permission of control twr.(3-13)
★ALAMO-RADIO: June 11, rng stn converted to type SMRLZ fac. Flgt-checked, courses correctly aligned.
ALICE-RADIO: About July 9, N and S courses will be realigned to 153° and 333° respectively. (6-18) FLD: Rnwy lgts not visible on final approach. Lgts obscured from air by grass and vegetation. Bcn inop. (6-16)
ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use rnwys only. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (3-17)
ARLINGTON (MIDWAY) ARPT-NE/SW rnwy unsafe-NW/SE rnwy usable with ctn. Rnwy lgts inop. (3-17)
ASHERTON ARPT-High brush-use strips with ctn. (3-17)
ATLANTA MUN ARPT-Cattle on fld. (11-15)
AUSTIN-RADIO: Rng flgt-checked, courses correctly aligned, break in stn lctn mrkr lgt pattern. (5-23) Stn gds 3117.5 kcs 2300 to 0700. About July 7 the NE and SW courses will be realigned to 36° and 216° respectively. (6-18)
AUSTWELL INT, SITE 5A, CR-HU-Unsafe (soft, wet). (4-14)
AVENGER FLD (SWEETWATER)-Use rnwys only. (3-21)
BERGSTROM FLD (AUSTIN)-RADIO: Army ILS temp inop. (3-7) FLD: NE/SW, NW/SE rnwys closed. (4-23)
BIGGS FLD (EL PASO)-See notice under White Sands Proving Ground, N.M. (12-26)
BIG SPRING-RADIO: Soon rng will be shut down days for installation of auto. rng monitor. sys. (6-3) Stn gds 3117.5 kcs 2300 to 0700. (2-27)
BROWNSVILLE-RADIO: About July 7, N course will be realigned to 153°. (6-18) Following realignment "A" and "N" quadrants will be reversed. About July 7, rng will be shut down days for modernization. (6-20) Comm stn guards 3117.5 kcs during hrs 2400 to 0800. (2-23)
BRUCE FLD (BALLINGER)-Holes in fld-use rnwys only. (3-17)
CAMP HOOD LANDING FLD (KILLEEN)-Ngt opers on previous arrangement. Right traffic to N, left to S overhead approach. Equip. near NW/SE rnwy. (1-8)
**CARTER FLYING SERVICE (VELASCO)-Formerly carried as Brazosport Arpt. Lat 28-58-00. long 95-21-45. (12-13) See page 126.
CHILDRESS-RADIO: Ctn - VHF rng unmonitored. (4-10)
CLEBURNE NORTHWEST ARPT-250' twr rdo stn KCLE being erected 1.5 mi NNE (28°) true. (2-3)
CLEVELAND-RADIO: VHF rng gnd-checked June 10. Ctn- VHF rng unmonitored. (4-23)
**CLIFF MAUS ARPT (CORPUS CHRISTI)-Hi intensity lights avail. (4-17) See page 122. Use rnwys only. Farming opers in progress 200' E of N/S rnwy and 200' S of E/W rnwy. (6-12)
COMMERICAL ARPT (EDINBURG)-Two 250' twrs being erected 2 mi W (273°) true. Rdo Stn KCBD erecting three 315' twrs 2.5 mi SE (123°) true. (3-24)
CORPUS CHRISTI-RADIO: Commun stn guards 3117.5 kcs between hrs 2300 to 0700. (2-25)
CUDDIHY FLD (CORPUS CHRISTI)-RADIO: Municipal twr comm. Operates 1230 to 2130, daily except Weds. Lgt gun oper only. (5-23) FLD: Traffic left 600'.- Bndry, obst, rnwy lgts and tetrahedron avail. sunset to 2300 only. Use rnwys only-farming opers. (6-16)
CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings to be made within orange cone bndrys. (3-12)
DALLAS-Extensive night flying by small aircraft up to 1000 ft in vicinity of Hudson Arpt. (approx. 8 mi NE Love Arpt). This activity has not yet been cleared with the Airspace Subcommittee.
DALLAS-RADIO: Rng flgt-checked June 14, courses correctly aligned.
DENTON ARPT-Use N/S rnwy only. (2-21)
DIMMIT COUNTY ARPT (CARRIZO SPRINGS)-Use in emerg only. Const. (2-24)

[redacted]

DRAUGHON-MILLER ARPT (TEMPLE)-Use rnwys, taxi strips only. (2-4)
DUNCANVILLE-RADIO: MH figt-checked June 12, oper normal.
EAST SIDE ARPT (LONGVIEW)-320' rdo twr being erected 3 mi SSW (198°) true. (2-25)
ECTOR CO. ARPT (ODESSA)-All rnwys and taxi strips closed except last half of E/W rnwy and all of NW/SE rnwy and taxi strip leading from ramp area N. Closed ngts. (6-23)
**EDNA ARPT-Will hereafter be carried as Good Arpt (Edna). This verifies data in "AIRGI" now carried under Edna. Lat 28-57-45,long.96-36-45.See page 124
EGYPT, BCN SITE 13, ZN-HU-Temp inop. (5-12)
ELDORADO ARPT-E/W strip soft in wet weather. (3-17)
ELLINGTON FLD (HOUSTON)-Closed to VHB acft except in emerg. Exten Reserve training daily until 1900, Tues and Weds until 2200 under CFR. (6-3)
EL PASO MUN. ARPT-ED ANDERSON FLD-RADIO: June 17, outer mrkr of CAA ILS shut down for installation of compass lctr. (6-17)
ENGLISH FLD (AMARILLO)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-18) FLD: Use rnwys, taxi strips only. (3-1) 175' tank being erected 6 mi WSW (255°) true. 250' derrick being used during const, lgtd. (4-5)
FAIRCHILDS, BCN SITE 16, ZN-HU-Temp inop. (5-12)
FLORESVILLE, BCN SITE 2, ZN-HU-Temp inop. (5-12)
FORNEY-RADIO: FM on E course of Dallas range inop. (5-23)
FORT WORTH AAF-40' trees immediate end Rnwy 35L. (6-12)
FORT WORTH SEAPLANE BASE-Proximity to AAF calls for the use of discretion in circling the Seaplane Base. Traffic patterns are all away from the AAF. Ramps and beaching dollies under const. (1-8)
GARWOOD, BCN SITE 11, ZN-HU-Temp inop. (5-12)
GASKIN FLD (SHERMAN)-Cattle on rnwys-emerg landings only. (3-24)
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (3-17)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT; (4-8)
GRAUWYLER PARK-RADIO: MH flight-checked June 12, oper normal. Soon H fac will be decomm. (6-6)
GUTHRIE-RADIO: Ctn - VHF rng unmonitored. (4-10)
HALLETTSVILLE, BCN SITE 8, ZN-HU-Temp inop. (5-12)
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. Const on rnwys. (4-1)
HICKS FLD (FT. WORTH)-Use strips only-parked acft. (1-2)
HIGHLAND PARK ARPT (DALLAS)-E/W rnwy suitable for lgt plane landing days only. Use rnwys during rainy weather. (1-25)
HITCHCOCK NAF-LTA-RADIO: 6390 kcs transmitter and rcvr temp inop. (3-12)
★HOUSTON ARPT-RADIO: Lclzr of CAA ILS figt-checked June 13, oper normal. Glide path comm and figt-checked June 14. Soon, outer mrkr will be shut down for installation of compass lctr. (6-13) FLD: Use rnwys, taxi strips-ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip on fld. (4-22)
INTERNATIONAL ARPT (BROWNSVILLE)-RADIO: Effect June 10, outer mrkr of CAA ILS shut down for installation of compass lctr. (6-10) FLD: Rnwy 4-22 closed. Use rnwys, taxi strips only. Civil acft may be cleared thru this arpt for foreign flights. Army acft use Kelly Fld. Obst lgts atop 90' antenna poles 3 mi N inop. 180' rdo twr being erected 3 mi SSE (158° true). Six 40' antenna poles 1/4 mi S and 500 yds E of W side fld, lgtd. (6-5)
**JEFFERSON COUNTY ARPT (BEAUMONT)-233' twr of Rdo Stn KTRM erected 8.2 mi NNW at lat 30-03-20, long 94-07-10, obst lgtd with red flash lgt at top. (5-21) Rnwy ctc lgts operated on req only. Reqs should be made thru arpt manager or Beaumont Rdo. (6-10)
JOAQUIN-RADIO; Ctn - VHF rng unmonitored. (4-10)
JUNCTION-RADIO: VHF range without voice figt-checked and comm on cont oper June 17, at lat 30-38-00, long 99-58-43. Freq. 108.7 mcs. Ident. "JT". Visual courses: 128°, 308°; aural courses: 38°, 218°. Ctn - range unmonitored. (6-18)

[redacted]: Class: VARW.
KELLY FLD (SAN ANTONIO)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Acft on fld. Use rnwys only. 190' lgtd twr const W of Rnwy 14-32. 150' water twr under const 1-1/2 mi SE, not lgtd. (4-16)
KENDLETON, BCN SITE 14, ZN-HU-Temp inop. (5-12)
**LAKE MATHIS (MATHIS)-ABANDONED. (122)
**LAREDO-RADIO: Auto. rng monitor sys comm June 18. Rng figt-checked, courses correctly aligned. Stn lctn mrkr oper erratic. Soon, all commun and rdo rcvg facs will be shut down for approx 48 hrs for relctn of control quarters. (6-18) FLD: Flight opers from old terminal S end fld discont. Fence const across taxiway leading to bldg. Fence lctd approx 600' E of W end Rnwy 35R and in direct line with regular fence at S end fld. This section no longer included in arpt area. All opers being conducted from new terminal W side fld. Tetrahedron free swinging and will be lgtd upon rdo req. (6-11)
LONE OAK, BEACON SITE 5, DL-LV-Temp discont. (9-18)
**LOUISE ARPK -ABANDONED. (4-9) See page 124.
LOVE FLD (DALLAS)-RADIO: About July 1, outer compass lctr of CAA ILS will be comm at the outer mrkr site. Freq. 266 kcs., ident. "D". (6-18) FLD: Rnwy 4-22 closed. Soft areas along taxi strips when wet. 30 million candle pwr ceilometer projector 1000' N of twr. Acft must be equipped with rdo tuned to twr freq. (4-2) 520' rdo twr under const 8.7 mi SE (120°) true. (1-20)
MAJORS FLD (GREENVILLE)-All lgts temp inop. (1-3)
MARSHALL ARPT-304' twr being erected 3 mi NW (317°) true, lgtd. (2-11)
MEACHAM FLD (FT. WORTH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-7) FLD: In wet weather use rnwys, taxi strips only. 260' single vertical twr being const 4 mi ESE (115° true) temp lgtd. Grain elevator 967' MSL, 9100' N of N end N/S rnwy on extended centerline directly on lclzr course. 1000' extension being const S end N/S rnwy. Equip. in const area. Discontinuance of approach lgt lane on N end N/S rnwy postponed. 285' twr rdo stn KCNC being erected 5 mi SE (135° true). Taxi strip leading to Rnwy 17 under const until approx June 23. (6-2)
MERCEDES-RADIO: FM will be decomm about July 3. (6-18)
MONTGOMERY CO. ARPK (CONROE)-Avail. only acft equipped with landing lgts. (3-17)
NIXON, BCN SITE 4, ZN-HU-Temp inop. (5-12)
ORANGE ARPT-Use NW/SE, E/W strips only. Fld flooded after rains. (3-17)
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (3-17)
PILGRIM, BCN SITE 5, ZN-HU-Temp inop. (5-12)
POUNDS FLD (TYLER)-Use rnwys only, bal fld rough and unsafe. (2-21)
PYOTE AAF-Rnwys 18-36, 7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)
RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld. Rnwy 1-19 unsafe for acft over 10,000 lbs. (6-5)
RAYMONDVILLE INT, SITE 5, JI-FV-Rough. (3-3)
ROBERT MUELLER ARPT (AUSTIN)-RADIO: About June 15, CAA ILS will be comm serving NW/SE rnwy with approach from SE. Voice equipped lclzr will oper on 109.5 mcs, ident. "AUS", transmitter will be lctd 900' NW of NW end of NW/SE rnwy on rnwy centerline extended. Glide path will oper on 332.6 mcs., transmitter lctn 400' NE of rnwy centerline and 750' NW of the SE end of the NW/SE rnwy. Middle mrkr will be lctd 3636' SE of the SE end of the NW/SE rnwy and 50' SW of the rnwy centerline extended, keying alt dots and dashes; outer mrkr will be lctd 6.12 mi SE of the SE end of the NW/SE rnwy on the rnwy centerline extended, keying two dashes per sec. FLD: Acft landing or taking-off on Rnwy 34R use right traffic pattern. Acft landing or taking-off on other rnwys use left traffic pattern. Rnwy 12L- 30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. E/W taxi strip NW section fld closed. (5-2)

[redacted]:ROCKPORT ARPT-Closed except in emerg. Fire and crash equip. removed.
RUSK CO. ARPT (HENDERSON)-Use runwys and taxi strips only. (1-30)
SALTILLO, BCN SITE 9, DL-LV-Temp discont. (9-18)
SAN ANGELO ARPT-MATHIS FLD-RADIO: Mun. twr temp inop until July 1.(6-20)
These data rcvd too late for (0) symbol.
SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio A.T.C. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or San Antonio Range Stn and adhere to instructions issued by San Antonio A.T.C. Acft outbound from Randolph Fld adhere to instructions issued through Randolph Tower.
SAN ANTONIO ARPT-ALAMO FLD-RADIO: CAA ILS flight-checked June 11, oper normal. FLD: Acft arriving after dark rqrd to have two-way rdo.(2-27)
SAN BENITO INT, SITE 2,II-FV-Unlgtd hangar 200' NE bcn twr. (1-22)
SAN MARCOS AAF-Ctn-helicopter and liaison pilot training. (10-15)
SHEPPARD/KELL MUN. ARPT-(WICHITA FALLS)-RADIO: Twr will be recomm on temp basis July 4 to 20th inclusive during 14th annual national soaring meet. Will transmit on 278 kcs, 118.5 mcs. Rcv on 3105,4495,6210,3117.5 kcs, 122.5 mcs. (6-20). FLD: Unlgtd N/S rnwy on W side fld rstdto acft of 450 H.P. or less. Left traffic on all rnwys, entering at 45° downwind leg at 800'. Intermittent glider activity on fld and in vcnty. The 14th annual national soaring meet will be conducted July 4 thru the 20th. Glider activity presently in progress will increase as date of meet approaches. (5-28)
SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible from twr due to parked acft. Stn sto acft rcvd only between 0600 and 1630 Mon thru Fri. Ltd transportation,no housing, messing facs. Closed to all acft except on off. bus or emerg.(6-23)
STINSON FLD (SAN ANTONIO)-Right traffic Rnwys 9,14,17,22. Left traffic on all other rnwys. Traffic 600' above terrain 1167' MSL. Fld and lighting facs in oper until 2230. Rnwy lgts on demand after 2230. Acft entering Stinson Fld control zone after dark shall be equipped with 2-way rdo. (5-11)
T.C.U. ARPT (FORT WORTH)-Use E/W strip in wet weather. (2-21)
TERRELL, BEACON SITE 6, FV-AG-Temp discont. (9-18)
TEXARKANA-Demolition operations are being conducted approx 15 mi WSW Texarkana arpt, 0800-1615 daily except Sat and Sun. All acft cautioned to fly above 1500' over this area.
TEXARKANA ARPT-400' unlgtd twr Rdo Stn KCMC being erected 4.5 mi WSW (250° true). (4-22)
**VICTORIA CO. ARPT (VICTORIA)-Formerly carried as Aloe AAF. (6-12). See page 122.
VICTORY FLD (VERNON)-Use rnwys only-parked acft. Avail. days only. (12-30)
VIENNA, BCN SITE 10, ZN-HU-Temp inop. (5-12)
**WEST ODESSA ARPT (ODESSA)-Lat 31-50-30, long 102-23-30. See page 106.
WHITE FIELD (BRADY)-CLOSED. (8-7)
WHITE ROCK ARPT (DALLAS)-520' twr Rdo Stn KDXL-FM being erected 2.2 mi SW (232° true). (6-9)
WINK-RADIO: Soon, range will be shut down days for installation of auto. range monitor. sys. (6-3)
WINK ARPT-Rnwy lgts inop. (4-26)
WOLFE CITY ARPT-Use in emerg only. (2-25)
[redacted]: BRYCE CANYON-RADIO: 116.1 mc transmitter and rcvr temp inop.
★DELTA-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. Stn now gds 3106,4495, 6210, 3117.5 kcs., 116.1, 122.1 mcs. (6-20). These data rcvd too late for chart and data page.
DELTA ARPT-Trans acft use rnwys, taxi strips only. (4-8)
ENTERPRISE INT, SITE 39, LA-SL-CLOSED (rough, soft).(5-29)
HANKSVILLE INT, SITE 54, LA-DV-35' unlgtd pole line 600' S of E portion E/W rnwy. (5-10)
HURRICANE ARPT-Soft when wet. (4-3)
MILFORD-RADIO:About July 1,CAA Commun Stn will be moved to new quarters at Milford Arpt. Stn class will be changed to: BMRLZ-DT. Anticipate approx 36 hrs shutdown of voice communs and rdo rcvg facs during move. (6-11)
MILFORD ARPT, SITE 45, LA-SL-Unlgtd bldgs SE corner fld S of and adj to bcn twr Bndry lgts N and W sides fld disconnected and bndry mrkrs are being removed for rnwy extensions. Dirt areas soft. Three 25' poles erected N side of new const.

[redacted]:on E side fld. (5-29)
PROVO ARPT-NNE/SSW, NW/SE rnwys avail. all acft days. ENE/WSW rnwy closed. Equip. on ends of rnwys intermittently. (5-12)
★ROBERT H. HINCKLEY FLD (OGDEN)-RADIO: Mun. twr now operates 0600 to 2230. (6-23) These data rcvd too late for data page. FLD: NE/SW rnwy lgts inop. N/S rnwy lgts oper cont during hrs of darkness when twr inop. Equip. E side fld days. (6-21)
SALT LAKE ARPT NO. 2-Use rnwys, taxiways only-shoulders soft. Closed to ngt opers. (4-20)
SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail (5-3)
SALT LAKE CITY ARPT NO. 1-Use rnwys, taxi strips only during wet weather account shoulders soft. Right traffic when winds are from S, SE, E. Prevailing wind rnwy lgts operating ngts. (6-18)
WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E, in the Low Flight Strip area, from 0800 to 1800. See chart 23.
WENDOVER FLD-Obst lgts on mtns N and W of fld inop. (4-7)
[redacted]:BARRE-MONTPELIER ARPT (BERLIN)-Use rnwys only. (12-31)
BURLINGTON ARPT-Use rnwys only. Parked acft N side E/W taxi strip.(4-3)
LEMMINGTON-COLEBROOK ARPT-Avail. emerg landings only. (5-13)
[redacted]: ALBERTA ARPT-ENE/WSW, NNW/SSE strips rough. Ends and sides mrkd by 12' yellow mrkrs. (5-21)
ALEXANDRIA ARPT-NW/SE rnwy lgtd until 2100 every ngt for 1000'. Approx 1500' of AGA reflectors extending beyond the lgts. Model Airplane Meet will be held July 20th between 1000 and 1700. Trans traffic should exercise due ctn. (5-28)
**ALTAVISTA ARPT-Lat. 37-09-00, long 79-12-15. See page 94. 200' NE end of fld unusable in wet weather. (2-4)
BLACKSTONE ARPT-Tetrahedron inop, unlgtd. NE/SW rnwy avail. full length and 250' wide from NW side of NE/SW rnwy. 5 and 7'' rised of concrete 24' wide at seams on SE side NE/SW rnwy, mrkd. 5'' rise lctd 450' NE and 7'' rise lctd 75' SW of intersection NE/SW and NW/SE rnwys. (6-17)
★BYRD FLD (RICHMOND)-RADIO: June 9, middle and outer mrkrs decomm. Middle mrkr will be relctd 0.68 mi from SW end of NE/SW rnwy. Concurrently with this relctn compass lctrs will be installed at outer and middle mrkr sites. Lclzr will remain in oper. (6-9) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-3) FLD: Ltd Army svcg facs. Avoid using 1000' rnwy extns. Rnwy, taxiway shoulders soft. Acft landing this fld without establishing rdo commun with twr watch carefully for lgt gun signals-twr lctd in center of triangle of rnwys. (2-18)
CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (1-2).
CHINCOTEAGUE NAAS-Closed 1700 to 0800 except on req with 2 hrs notice. Bcn operates all ngt except during local ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. IFR flight plans accepted only 0800 to 1630 Mon thru Fri except on holidays and on 2 hrs notice. Fld lighting sys under rprs unreliable. Use rnwys, taxi strips only - soft shoulders and trenches along sides of rnwys and taxi strips. Equip. on fld. Pilotless rdo-controlled acft operating days Mon thru Fri. Other acft in vcnty proceed with ctn. (2-28)
DAHLGREN NAF PROVING GROUNDS-CLOSED TO ALL (INCLUDING TRANS MIL) ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Except in emerg or on req (with two hrs notice) fld open only 0730 to 1615 Mon thru Fri inclusive. Off. flights must be cleared thru one of the following: NAS Anacostia, D.C; NAS Patuxent River, Md.; NAS Norfolk, Va.; NAS Quonset Point, R.I.; Cape May CGAS, N.J.; Inyokern NAF, Calif.; NAF Torpedo Stn, Newport, R.I.; Naval Acft Factory Philadelphia, Pa.; Cherry Point MCAS, N.C.; Quantico MCAS, Va; AAF Proving Gnds, Eglin Fld, Valpariso, Fla; Langley Fla,Va.; Wright Fld, Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md.; Lakehurst NAS, N.J. (3-10)
DANVILLE ARPT-Rnwy lgts will be operated by INSAC personnel 0800 to 2400. From 2400 to 0800 lgts will be unattended and rnwy nearest in line with wind direction at 2400 will be lgtd. Grassy plots soft when wet, rough when dry. Use only hard surfaced rnwys and taxi strips. Tetrahedron free swinging.(5-26)

[redacted]EMPORIA ARPT-Fixed tee, wind sock E side fld indicating rnwy in usd. (12-28)
FENTRESS NAAS-Use in emerg only (caretaker status - no facs) (2-19)
HARCUM ARPT-Use NE/SW strip only between yellow cone mrkrs. (3-31)
HOPEWELL ARPT-NE/SW and NW/SE strips under const. (3-21)
LANGLEY FLD-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 2-20 closed. Rwy 12-30 closed to all 4-engine acft. (1-14)
LOVING FLD, SITE 35A, NA-WA (PULASKI)-Observe right traffic for landings from SW on NE/SW rnwy. (4-4)
LYNCHBURG-RADIO: At intermittent periods especially during dry weather rcvg watches on high freqs impaired by pwr noises. (6-17)
MONOGRAM NAAS (DRIVERS)-Use in emerg only (Caretaker status-no facs.) (2-19)
MT. VERNON-See Special Notice under District of Columbia.
NORFOLK-RADIO: VHF rng on 108.7 mcs. shut down for an indefinite period. (5-8)
NORFOLK NAS-EAST FLD-Pilots on S-bound coastal flights inbound IFR between 0700-2400 to NAS Norfolk shall establish rdo ctc with Navy Chincoteague Rdo for further clearance instructions from ATC Norfolk. Pilots on N-bound coastal flights inbound IFR between 0700-1900 to NAS Norfolk shall establish ctc with Navy Weeksville Rdo for further clearance instructions from ATC Norfolk. Pilots on either S-bound or N-bound coastal flights inbound IFR to NAS Norfolk at other than the above stated hrs ctc Norfolk Rdo or Navy Norfolk Twr earliest possible for further clearance instructions. (3-18)
OCEANA NAAS-Facs avail. 0800 to 1630 Mon thru Fri. Acft clearances not accepted at other than designated hrs. Emerg acft clearances accepted any time upon prior notification. Equip. on fld. (6-13)
ORANGE CO. ARPT-Strips muddy in wet weather. (4-4)
PENINSULA ARPT (HAMPTON)-Right traffic whenever wind conditions require take-offs and landing toward SW (Newport News). Left hand pattern when wind conditions require take-off and landing to NE (Hampton). Traffic direction and pattern indicated by T on roof of hangar (5-19).
PRESTON GLENN ARPT (LYNCHBURG)-RADIO: At intermittent periods especially during dry weather rcvg watches on high freqs impaired by pwr noises. (6-17). Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic.(5-8) FLD: Use only rnwys during and after wet weather. Two poles 4200' E of E/W rnwy. (2-7).
QUANTICO MCAS-Closed sunset to sunrise except in emerg. (5-6)
RICHMOND-Elko Aux Fld 5 mi E of Byrd Fld is similar in design and layout to Byrd Fld, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse the two flds.
SHENANDOAH ARPT-N/S strip under const. Grading equip. on fld. Soft in wet weather. NE/SW strip mrkd by cone mrkrs. (3-15)
SOUTH NORFOLK ARPT-Lat 36-46-00, long 76-15-30.
UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (3-17)
WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (3-7)
WOODRUM FLD (ROANOKE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-10) FLD: Ext. local traffic days. Acft landing without establishing rdo commun with twr must conform to local traffic patterns. Observe twr at all times for lgt gun signals especially on base leg and final approach. Clear rnwy immediately after landing. Mil acft utilizing VHF freq. should listen for control twr instructions or observe lgt signals from twr in response to their transmissions. All acft departing should determine proper rnwy and taxi route from twr or operations prior to taxiing. (2-28)
[redacted]: SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3, Spokane Sectional, and Washington 5 Danger Area Charts).
ARLINGTON AERONAUTICAL SCHOOL ARPT-Unmrkd cable span being erected [redacted] mi E (78° true). Cable will run N/S between lat 48-13, long 121-55, on Wheeler Mtn and lat 48-11-30, long 121-55-00 on Blue Mtn. Cable anchorage levels at approx 2800' on both Mtns and will be approx 1000' above valley floor. Vertical-down-haul will be attached at mid-span terminating at the ground in Jim Creek Valley. Bcn inop. (4-25)
BARRY'S SKYHARBOR ARPT (TACOMA)-Right traffic, W take-offs and landings. (3-17)
BELLEVUE AIRFLD (SEATTLE)-Right traffic when landing to S. (3-19)
BELLINGHAM ARPT-Do not taxi off surfaced areas-sodded portions soft. Day traffic controlled by white T center of arpt (6-20)
BOEING FLD (SEATTLE)-Daylgt CFR opers-lgt acft use mrkd dirt landing strip E. side fld adj to main rnwy. Traffic patterns made to E at 1000'. Right traffic when taking off to NE. Flash. amber lgt on twr indicates right pattern in relation to dirt landing strip. All turns, taxiing off or back on dirt area made toward twr. Acft using dirt strip avoid flying over main rnwy or approaches. Watch for air and ground traffic. Lgt gun signals for take-offs and final approaches only. Heavy acft use rnwys, taxi strips. Equip. on fld. All unscheduled acft landing at Boeing Fld must register with County Fld Office, except those who have made other arrangements with fld management. Equip. S of Admin Bldg loading ramp, avoid flagged area. Holes E side main taxiway, N and S of Admin Bldg. (4-4)
BUENA ARPT-Right traffic E take-offs and landings. (3-17)
CLE ELUM ARPT-Right traffic E takeoffs and landings. (3-17)
COUNTY-CITY ARPT (PORT TOWNSEND)-Right traffic E takeoffs and landings.
COUPEVILLE OLF-Closed except in emerg.
FELTS FLD (SPOKANE)-Lgt non-rdo equipped acft use mrkd graded area S of main rnwy. Fancher Bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. N side rnwy mrkd. Equip. on fld. (4-22)
★EVERETT-RADIO: Overseas Foreign Aeronautical Communs Stn point to point radiotelegraph circuit 300X transmitting on 168,4070,8130,11331,16 232.5 kcs; 8010 kcs avail. on req. Receives on 91,4475,8100,13600,16280 kcs. Circuit 316 transmitting on 183,2748,4690,6545,8015 kcs. Receives on 2748,4690,6545,8015, 150 kcs.; 197,1722,7880,5310 kcs avail. on req. Air gnd circuit 457 transmitting 1638,3082.5,5037.5,9980 kcs, 116.1 mcs.;6537 kcs avail. on req. Receives on 1638,1674,3082.5,5037.5,9980 kcs.,116.1 mcs;6537 kcs avail. on req. Radiotelegraph weather bdcast circuit 460 transmitting simultaneously on 4580 and 8220 kcs, schedules 15,25 and 37 minutes past each hr. Above mentioned circuits operate cont. Radio Call: KCJ. Point to point radiotelegraph circuit 311 also avail., operated intermittently transmitting on 183,2796,5310,7880,12290 kcs.(6-12)
KELSO ARPT, SITE 6 1A, SF-SA-Equip. on fld. (6-9)
KENMORE ARPT (BOTHELL)-Avail. emerg use only-cattle. (9-10)
KITSAP CO. ARPT (BREMERTON)-Lgts inop. (5-12)
L & D SEAPLANE ANCHORAGE (PROSSER)-Ramp washed away. Possible to moor plane to existing boat float. Circle arpt lctd 1 mi N for gas truck or fone Prosser 91114. (5-20)
LONGVIEW SKYHARBOR SEAPLANE ANCHORAGE-Right traffic S takeoffs and landings. (3-17)
MARTIN FLD (COLLEGE PLACE)-Const, equip. on strips. Strip 2500' x 150' S side of fld flagged for landing. Taxi strip adj. Center of fld rough and unsafe for landing. (4-29)
McCHORD FLD (TACOMA)-RADIO: Effect Apr 25, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Army ILS (CAA type) temp inop. middle mrkr to be relctd and present equip will be modified. (3-13) FLD: Use rnwys, taxiways only. Equip. on fld. (12-11)
MT. VERNON OLF-Closed except in emerg. Training use rqrs 24 hrs advance notice thru Whidbey Island NAS. Bcn inop. (3-20)
NELSON RIDGE, SITE 6, SA-HL-About Aug 1, bcn will be dismantled and relctd to lat 47-11-30, long. 121-01-42, 1-1/2 mi SE of present lctn. After relctn bcn will be recomm with no change in char. (5-13).

[redacted]:OLYMPIA ARPT-Rot. bcn flash. green and yellow used to warn local and trans acft of approach of scheduled transport acft. Bcn turned on five minutes before arvl and turned off upon arvl and landing of acft. (12-7)
PAINE FLD (EVERETT)-Lgts inop. (5-29)
PASCO-See Special Notice (first item under state heading).
PASCO NAS-Use in emerg only (caretaker status - no facs).
PIERSON ARPK (VANCOUVER)-Const. Use North E/W strip only. (3-17)
PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-Avail. lgt acft only. (11-26)
PUYALLUP ARPT-Right traffic N takeoffs and laddings. (3-17)
S & S AIRSTRIP (PUYALLUP)-Right traffic S takeoffs and landings. (3-17)
SAVAGE FLD (CHENEY)-Moderate soil erosion intmtly. (9-14)
SEATTLE NAS-Single-engine acft approach from Kirkland 1500' descending to 1000' over the stn: Seaplanes approach over Lake Washington from N or S under 200'; landing area lgtd on req between sunset and sunrise. Rnwy 14-32 lgtd 30 minutes prior to arvls and dptrs between sunset and sunrise and on req. Tetrahedron lgtd sunset to sunrise. (5-27)
SEATTLE-TACOMA ARPT-RADIO: Outer mrkr of CAA ILS unmonitored. (6-5)
FLD: Equip. on fld days. (5-22)
SPRAGUE ARPT-Entire fld rocky-dangerous. Emerg use only (5-20)
SUNNYSIDE ARPT-Right traffic, S takeoffs and landings. (3-17)
TONASKET ARPT-Right traffic S or SW takeoffs and landings. (3-17)
★WALLA WALLA AAF-RADIO: June 16, Army twr and VHF/DF stn decomm. DF stn
** will be relctd at Spokane AAF in near future. FLD: Effect June 15 fld will be closed with no facs. (6-10) See page 4. No opers office. Equip. on fld days Mon thru Fri. (3-24)
WESTPORT ARPT-Driftwood on fld after extremely high tides. (1-2)
WHIDBEY ISLAND NAS-AULT FLD-Bcn operates during IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. (4-3)
WILBUR ARPT-Taxiway const W side of strip. (4-25)
YAKIMA CO. ARPT-Equip. rmvd. Rcvd too late to delete ◎ symbol.
[redacted]:ELKINS ARPT-Ctc Elkins Rdo or circle fld before landing. (3-14)
LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy rains. (4-10)
HUNTINGTON ARPT-305' twr Rdo Stn WHTN being erected 1/2 mi SSE. (5-21)
SCOTT FLD (BECKLEY)-Use right traffic on N course. (4-7)
WHEELING-RADIO: Ctn - VHF rng unmonitored. (4-9)
[redacted]:CAMP McCOY ARPT-Emerg use only - not maintained. (6-12)
CLINTONVILLE ARPT-Six sod strips avail. (4-22)
CHAPLIN'S ARPK (PLYMOUTH)-ONly E/W strip avail. (5-23)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts. (4-22)
EAU CLAIRE MUN ARPT-Ctn, equip. on rnwys and fld area. (4-23)
GEN. MITCHELL FLD (MILWAUKEE)-Equip. on fld days. Right turn procedure rstd to lcly based acft. All acft land according to tetrahedron unless otherwise instructed by twr. All pilots must register in Admin Bldg upon arvl and dptr. POsition lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. Ditch extending 150' S of intersection NE/SW, NW/SE rnwys paralleling SE portion NW/SE rnwy for 1/2 mi. Obst lgt atop 95' chimney [redacted]:SW corner fld inop. Rdo rcvr req for all lcly based acft. E/W rnwy closed until approx June 28 - avail. taxing only. (5-13)
GINNOW ARPT (OMRO)-Use stripe only. (4-1)
LA CROSSE ARPT-Use rnwys only. (5-23)
MERRILL ARPT-Use rnwys only-soft after heavy rains. (6-3)
MOREY ARPT (MADISON)-Use strips only. (5-19)
OCONTO FALLS ARPT-Use stripe only. (3-26)
RICHLAND FLYING CLUB INC (SEXTONVILLE)-Equip. on fld. (5-5)
SHAWANO ARPT-Soft when wet-use rnwys only. (6-3)
SKY HAVEN ARPT (MILWAUKEE)-Use ctn on S 1/3 portion N/S strip. Stay on strip (4-7)
STEVENS POINT ARPT-Use rnwys only. (5-23)
THREE LAKES ARPT-Const. (6-13)
TOMAH ARPT-N/S strip under const. (5-19)
TRUAX FLD (MADISON)-Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough. Flood lgts and svcg not avail. 2230 until 0700 daily with the exception of Thurs when flood lgts and svcg not avail. after sunset. (4-3)
WAUPUN ARPT, new-New arpt under const 2 mi WSW Waupun. Closed to trans. acft. (3-15)
WINNEBAGO CO. ARPT (OSHKOSH)-Use rnwys only. All traffic left hand, 600' except E and NE which is right traffic 600'. (4-7)
[redacted]: ARCHER-RADIO: FM on E course of Cheyenne range will be decomm soon.
CHEYENNE-RADIO: Soon the Hillsdale VHF bone-shaped FM will be comm at lat 41-09-30, long 104-31-30, 16 .2 mi E of Cheyenne low freq. range. Ident one dash.
CHEYENNE ARPT-RADIO: CAA ILS will be comm soon. Voice equipped lclzr on 110.3 mcs. Ident. "CX". Lctd 457' W of the W end of the E/W rnwy. Mag. heading for landing: 262°. Glide path on 335 mcs, lctd 982' W of approach end and 400' S of centerline of E/W rnwy. Middle mrkr lctd 3461' E from approach end E/W rnwy, keyed alt dots and dashes. Outer mrkr 32,274' E from approach end of E/W rnwy, keyed 2 dashes. Middle compass lctr on 230 kcs. Ident. "X". Outer compass lctr on 260 kcs. Ident. "C". (5-23) FLD: Equip. on fld days. Lgtd bldg between E/W rnwy and taxi strip, 1000' from E end. (1-1)
JACKSON MUN. ARPT-Cattle on fld intermittently. (6-13)
RAWLINS ARPT-Equip. on rnwys. (4-17)
**ROCK SPRING ARPT (old)-3.8 mi NNW. ABANDONED. (6-12). See page 25.
SHERIDAN-RADIO: 116.1 mc transmitting and rcvg facs inop. (6-9)
SHERIDAN CO. ARPT-N/S rnwy unsafe heavy acft. Taxi stripe parallel all rnwys except N/S rnwy and terminate at ramp. Equip. on fld intermittently. Ctc Sheridan rdo for fld lgts. (3-6)
WARDWELL FLD (CASPER)-Use rnwys, taxi strips only, bal fld rough. 40' unlgtd pole erected at 30 million candle pwr ceilometer projector 1000' N of hangar (4-8)
WORLAND ARPT-Stripe under const. Equip. on stripe days. Use with ctn. (5-21)

NEW AIRPORTS

(These facilities will be found on both data page and chart)

FACILITY	LAT.	LONG.	PAGE
ALABAMA			
Flint Creek (Decatur)	34-32-30	86-57-00	90
Oak (Foley)	30-19-00	87-41-00	130
Summerdale OLF	30-30-15	87-38-45	130
ARIZONA			
Desert Skylodge (Tucson)	32-20-15	111-04-30	102
Hackberry	35-26-12	113-48-00	78
Nicksville (Hereford)	31-26-30	110-15-00	102
Seligman	35-20-15	112-54-00	78
Y-Lightning Ranch (Hereford)	31-27-45	110-12-00	102
ARKANSAS			
Alexander (Paragould)	36-10-00	90-20-00	88
CALIFORNIA			
Cypress (Westminster)	33-49-45	118-01-00	138
Fillmore	34-23-15	118-54-30	138
Fortuna	40-34-15	124-08-00	20
Garberville Arpk	40-05-30	123-48-30	20
Harvey (Santa Paula)	34-21-45	119-01-45	74
Jackson Ranch (Weed)	41-29-00	122-24-45	20
Miro-Fontana (Rialto)	34-07-00	117-23-30	98
Scotia	40-27-30	124-05-30	20
6 S Ranch Arpk (Solemint)	34-25-30	118-28-30	138
Sunset Beach	33-43-30	118-01-45	138
White (Ft. Bragg)	39-27-30	123-48-00	20
COLORADO			
Kramer Fld (Alamosa)	37-28-30	105-55-00	82
FLORIDA			
Conway Arpk (Starke)	29-57-00	82-07-15	132
Edwards (Pensacola)	30-26-00	87-15-30	130
Riddle Fld	26-44-30	81-03-00	136
GEORGIA			
Terrell Co. Airfld (Dawson)	31-44-30	84-25-00	132
IDAHO			
Teton Peaks, Driggs Mun, (Driggs)	43-44-15	111-06-15	24
KANSAS			
Ulysses	37-36-00	101-22-15	82
MAINE			
Aroostook Fly. Svc. Airfld (Ft. Fairfield)	46-46-30	67-47-45	17

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AERONAUTICAL CHARTS

U. S. Coast and Geodetic Survey Dates of Latest Prints

Dates in small type indicate minor changes which are not of sufficient importance to make the previous print obsolete. All charts carrying dates older than those shown in large type on this list are obsolete for use in flight.

SECTIONAL

Aberdeen	Dec. 11, 1945	Nov. 25, 1946
Albany	Jan. 7, 1947	
Albuquerque	Mar. 7, 1947	
Aroostook	Dec. 31, 1946	
Austin	Jan. 28, 1947	
Beaumont	Jan. 28, 1947	
Bellingham	Apr. 30, 1947	
Birmingham	Apr. 11, 1947	
Boise	May 1, 1947	
Boston	Jan. 14, 1947	
Burlington	Dec. 31, 1946	
Butte	May 7, 1947	
Casper	May 16, 1947	
Charlotte	Apr. 21, 1947	
Chattanooga	Apr. 22, 1947	
Cheyenne	May 17, 1947	
Chicago	Dec. 24, 1946	
Cincinnati	Apr. 13, 1947	
Cleveland	Jan. 7, 1947	
Corpus Christi	Feb. 4, 1947	
Dallas	Mar. 21, 1947	
Del Rio	Jan. 22, 1946	Jan. 28, 1947
Denver	Mar. 11, 1947	
Des Moines	Dec. 13, 1946	
Detroit	Dec. 31, 1946	
Douglas	Jan. 14, 1947	
Dubuque	Oct. 2, 1945	Dec. 12, 1946
Duluth	Jan. 8, 1946	Nov. 28, 1946
Elko	May 1, 1947	
El Paso	July 25, 1946	Jan. 17, 1947
Fargo	May 29, 1946	Nov 21 1946
Glacier Park	May 12, 1947	
Grand Canyon	Mar. 11, 1947	
Grand Junction	Mar. 11, 1947	
Green Bay	June 12, 1946	Dec 9, 1946
Huntington	Apr 21, 1947	
Jacksonville	Feb. 7, 1947	
Kansas City	Mar. 18, 1947	
Klamath Falls	Apr. 29, 1947	
Kootenai	May 21, 1947	
La Grande	Apr. 23, 1947	
Lake Huron	Dec. 30, 1946	
Lake Superior	June 13, 1946	Dec 3, 1946
Lake of Woods	May 24, 1946	Nov 19, 1946
Lewiston	Jan. 8, 1947	
Lincoln	Dec 3, 1946	
Little Rock	Mar. 19, 1947	
Los Angeles	Feb. 25, 1947	
Miami	Feb. 24, 1947	
Miles City	May 6, 1947	
Milwaukee	Dec. 31, 1946	
Minot	June 6, 1946	Nov 19, 1946
Mobile	Feb 3, 1947	
Mt. Shasta	Apr. 25, 1947	
Mt. Whitney	Feb 21, 1947	
Nashville	Apr 7, 1947	
New Orleans	Jan. 29, 1947	
New York	Jan. 9, 1947	
Norfolk	Apr. 25, 1947	
Oklahoma City	Sept. 23, 1946	
Orlando	Feb. 13, 1947	
Phoenix	Mar. 3, 1947	
Pocatello	May 12, 1947	
Portland	Apr. 20, 1947	
Prescott	Mar. 5, 1946	Sept. 3, 1946
Rapid City	May 9, 1947	
Reno	Feb. 17, 1947	
Roswell	Sept. 16, 1946	
Sacramento	Feb. 16, 1947	
Salina	Mar. 15, 1947	
Salt Lake City	May 6, 1947	
San Antonio	Jan. 28, 1947	
San Diego	Feb. 26, 1947	
San Francisco	Feb. 21, 1947	
Savannah	Apr. 18, 1947	
Seattle	Apr. 23, 1947	
Shreveport	Apr. 16, 1947	
Sioux City	May 31, 1946	Nov. 22, 1946
Spokane	Apr. 23, 1947	
Trinidad	Sept. 16, 1946	
Tulsa	Mar. 26, 1947	
Twin Cities	May 31, 1946	Dec. 6, 1946
Washington, D.C.	Apr. 21, 1947	
Wichita	Mar. 5, 1946	Sept. 16, 1946
Williston	May 5, 1947	
Winston-Salem	Apr. 25, 1947	
Yellowstone Park	May 9, 1947	

WORLD AERONAUTICAL - UNITED STATES

WAC 215	Apr. 18, 1947	WAC 266	Dec. 2, 1946	WAC 309	Jan. 10, 1947	WAC 364	Feb. 17, 1947	WAC 467	Feb. 4, 1947
WAC 216	Apr. 21, 1947	WAC 267	May 26, 1947	WAC 310	Jan. 14, 1947	WAC 404	Feb. 28, 1947	WAC 468	Feb. 3, 1947
WAC 217	May 2, 1947	WAC 268	May 9, 1947	WAC 357	Apr. 11, 1947	WAC 405	Feb. 27, 1947	WAC 469	Jan. 22, 1947
WAC 218	May 16, 1947	WAC 269	Apr 25, 1947	WAC 358	Apr 9, 1947	WAC 406	Mar 13, 1947	WAC 470	Jan. 20, 1947
WAC 219	May 16, 1947	WAC 304	Apr. 30, 1947	WAC 359	Apr 1, 1947	WAC 407	Mar 25, 1947	WAC 471	Jan. 15, 1947
WAC 262	Dec. 19, 1946	WAC 305	May 18, 1947	WAC 360	Mar 25, 1947	WAC 408	Apr. 2, 1947	WAC 522	Jan. 30, 1947
WAC 263	Dec. 19, 1946	WAC 306	Dec. 2, 1946	WAC 361	Mar 15, 1947	WAC 409	Apr. 8, 1947	WAC 525	Feb. 13, 1947
WAC 264	Dec. 18, 1946	WAC 307	Dec. 4, 1946	WAC 362	Mar 15, 1947	WAC 410	Apr. 17, 1947		
WAC 265	Dec. 5, 1946	WAC 308	Dec 12, 1946	WAC 363	Feb 17, 1947	WAC 466	Feb. 11, 1947		

RADIO DIRECTION FINDING

1-DF	Sept., 1946	21-DF	Jan. 3, 1947	24-DF	Nov. 21, 1946	Brownsville	Jan. 29, 1947	New York & Vicinity	Aug. 6, 1946
2-DF	Sept., 1946	22-DF	Jan. 15, 1947	25-DF	Apr. 3, 1947	Los Angeles	Mar. 4, 1947	San Diego	Mar. 18, 1947
3-DF	Jan., 1947	23-DF	Mar. 4, 1947	26-DF	Apr. 23, 1947	Miami	Feb. 18, 1947	Seattle	Nov. 28, 1946
								Washington	Nov. 7, 1946

LOCAL

WORLD AERONAUTICAL - ALASKA

WAC 62	Feb. 1946 Nov. 1946	WAC 77	Mar. 1947	WAC 119	Feb. 1947	WAC 138	Jan. 1947
WAC 63	Jan. 1947	WAC 78	Feb. 1947	WAC 135	Nov. 1946	WAC 139	Mar. 1946 Dec. 1946
WAC 64	Mar. 1946 Dec. 1946	WAC 117	Feb. 1947	WAC 136	Jan. 1947	WAC 186	Mar. 1946 Dec. 1946
WAC 76	Feb. 1947	WAC 118	Mar. 1947	WAC 137	Feb. 1947		

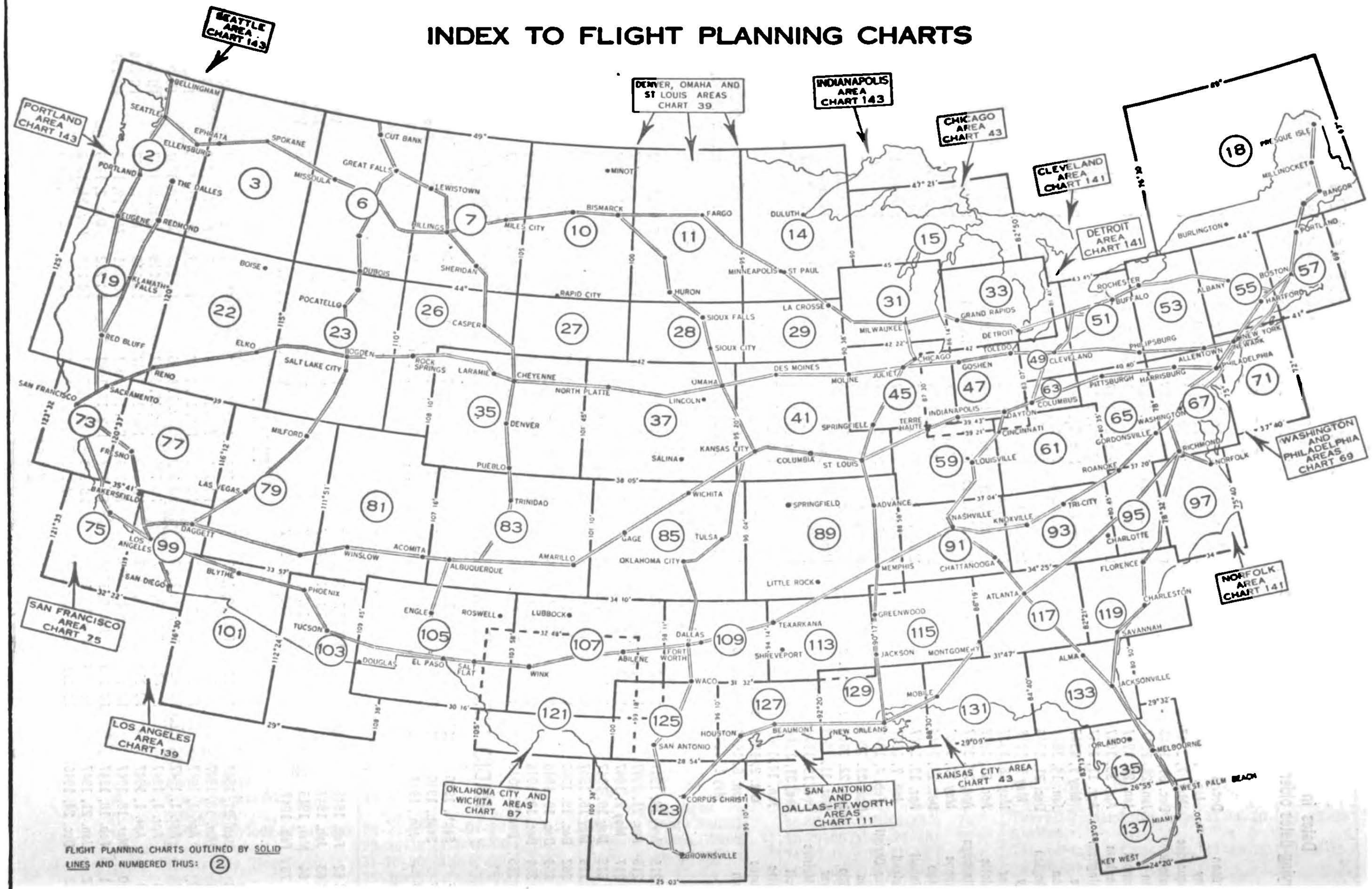
FLIGHT

FC 3	Jan. 21, 1947	FC 14	Feb. 18, 1947	FC 178	May 12, 1947	FC 214	Jan. 5, 1947	FC 225	Dec. 19, 1946
FC 4	Mar. 18, 1947	FC 15	Apr. 1, 1947	FC 181	Jan. 14, 1947	FC 216	Apr. 24, 1947	FC 226	Dec. 12, 1946
FC 6	Apr. 1, 1947	FC 16	Dec. 24, 1946	FC 182	Feb. 12, 1947	FC 217	Mar. 21, 1946	FC 227	Dec. 30, 1946
FC 7	Apr. 1, 1947	FC 42	Nov. 19, 1946	FC 183	Nov. 7, 1946	FC 218	Apr. 16, 1947	FC 228	Jan. 14, 1947
FC 8	Apr. 1, 1947	FC 43	Feb. 17, 1947	FC 184	Apr. 11, 1947	FC 219	Mar. 5, 1947	FC 229	Jan. 17, 1947
FC 9	Apr. 1, 1947	FC 173	Nov. 25, 1946	FC 185	May 10, 1947	FC 220	Mar. 7, 1947	FC 230	Jan. 31, 1947
FC 10	Mar. 18, 1947	FC 174	Dec. 2, 1946	FC 186	Feb. 10, 1947	FC 221	May 12, 1947	FC 231	Jan. 14, 1947
FC 11	Feb. 18, 1947	FC 175	Jan. 8, 1947	FC 187	Feb. 16, 1947	FC 222	Dec. 2, 1946	FC 232	Apr. 7, 1947
FC 12	Jan. 21, 1947	FC 176	Mar. 28, 1947	FC 188	Mar. 13, 1947	FC 223	Nov. 21, 1946	FC 233	Mar. 25, 1947
FC 13	Dec. 24, 1946	FC 177	Jan. 13, 1947	FC 213	Feb. 5, 1947	FC 224	Dec. 8, 1946	FC 234	Dec. 2, 1946

PLANNING

3060b	Mar. 4, 1947	3069a	July 9, 1946

INDEX TO FLIGHT PLANNING CHARTS



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AIRMAN'S GUIDE

NOTICES TO AIRMEN
DIRECTORY OF AIRPORTS
AIR NAVIGATION RADIO AIDS

VOL. 2, NO. 8 ..... JULY 8, 1947

This issue includes all data on record as of 0001 E.S.T: on the date above. For later information consult teletype NOTAMS.

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
OFFICE OF AVIATION INFORMATION

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GUIDE CONTENTS

THE AIRMAN'S GUIDE IS A COMPOSITE DIRECTORY OF AIRPORTS, AIR NAVIGATION RADIO AIDS, AND NOTICES TO AIRMEN. ON THE DATA PAGES ARE TABULATED ALL THE DATA COVERING THE FACILITIES CHARTED ON THE BACKING PAGES. THIS PRESENTATION IS GRADUALLY BEING REVISED, HOWEVER, SO THAT EVENTUALLY THE DATA PAGES WILL FACE THE CHARTS.

INDEX OF FACILITIES

TO FIND THE NUMBER OF THE PAGE ON WHICH A FACILITY IS CHARTED, REFER TO THE INDEX OF FACILITIES BELOW. AS OUTLINED ABOVE, THE DETAILED DATA FOR THE FACILITY WILL BE FOUND ON THE DATA PAGE BACKING, OR FACING, THE CHART.

NEW DATA PRESENTATION

(A) ON THE DATA PAGES BACKING OR FACING THE CHARTS, NEW DATA OR REVISIONS ARE INDICATED BY ARROWS; (B) IN THE NOTICES TO AIRMEN SECTION, CITATIONS COVERING NEW OR REVISED RADIO DATA ARE PREFIXED BY ONE LARGE STAR " ★ " CITATIONS COVERING NEW OR REVISED AIRPORT, OR MISCELLANEOUS DATA ARE PREFIXED BY TWO ASTERISKS "**"

DATA PAGE NOTAMS

BECAUSE OF THE SERIOUS PAPER SHORTAGE, THE DATA PAGES, WHERE POSSIBLE, HAVE TO SERVE AS NOTAM (NOTICES TO AIRMEN) PAGES, RESULTANTLY, MOST OF THE NEW DATA FORMERLY NOTAMIZED IN THE NOTICES TO AIRMEN SECTION WITH PREFIXED LARGE STARS OR DOUBLE ASTERISKS ARE NO LONGER CARRIED IN THAT SECTION. ONLY COMMISSIONINGS, ABANDONMENTS, OR CHANGES SO POTENTIALLY HAZARDOUS THAT THEY ARE INDICATED WITH Ⓡ (FOR RED FLAG) SYMBOLS ON THE CHARTS, ARE NOW CITED IN THE NOTICES TO AIRMEN SECTION NOTAMIZING ON THE DATA PAGES IS EFFECTED BY THE USE OF PREFIXED ARROWS AS IN THE FORMER AIR NAVIGATION RADIO AIDS PUBLICATION. ANY CHANGES FROM THE PREVIOUS ISSUE, WHETHER CITED IN THE NOTICES TO AIRMEN SECTION, OR NOT, ARE INDICATED BY THE PREFIXED ARROWS. FOLLOWING ARE EXAMPLES OF CHANGES NOTAMIZED ONLY ON THE DATA PAGES: FIELD OBSTRUCTION, SERVICING, ELEVATION, LOCATION, AND RUNWAY LENGTH CHANGES. BECAUSE OF THE USE OF THE PREFIXED ARROWS AS NEW DATA INDICATORS, A FURTHER INNOVATION HAD TO BE ADOPTED. THIS IS A TINTED HORIZONTAL LINE FOLLOWING THE LAST TABULATED FACILITY AND TITLED EITHER NEW RADIO FACILITIES OR NEW AIRPORTS.

HOW TO USE THE AIRMAN'S GUIDE

NEW FACILITIES ON DATA PAGES

SPACE BELOW THE TINTED HORIZONTAL LINES ON THE DATA PAGES HAS BEEN RESERVED AS A SUPPLEMENT FOR NEW RADIO AIDS AND AIRPORTS WHOSE DATA WERE RECEIVED AFTER THE DATA PAGES WERE ORIGINALLY TYPED. REVISIONS TO EXISTING AIRPORTS AND RADIO AIDS ARE SUPER-IMPOSED ON THE OLD DATA. NEW AIRPORTS AND RADIO AIDS HOWEVER, ARE LISTED, NECESSARILY OUT OF ALPHABETICAL ALIGNMENT, BELOW THE TINTED HORIZONTAL LINES UNTIL THE PAGE IS RE-TYPED.

CHART NOTAMS

NOTAMIZING ON THE CHARTS IS EFFECTED BY USE OF THE SUPER-IMPOSED Ⓡ AND Ⓞ SYMBOLS. THE Ⓡ (FOR RED FLAG) INDICATES A VERY HAZARDOUS CONDITION OR A MAJOR CHANGE. THE Ⓞ SYMBOL (FOR ORANGE FLAG) INDICATES A MINOR CHANGE OR HAZARDOUS CONDITION WITH THE FACILITY STILL USABLE WITH CAUTION. THE PERTINENT DETAILS TO WHICH THESE SYMBOLS REFER WILL BE FOUND LISTED IN THE NOTICES TO AIRMEN SECTION UNDER THE FACILITY NAME (AND STATE) BY WHICH THEY ARE CHARTED.

Ⓡ and Ⓞ SYMBOLS

THESE SYMBOLS WERE ADOPTED FOR SUPER-IMPOSITION OVER CHARTED FACILITIES TO INDICATE HAZARDOUS CONDITIONS AND COVERING NOTICES TO AIRMEN. THUS, IF A CHART USER NOTES NO SYMBOL ON THE FACILITIES HE IS PLANNING ON USING, THERE IS NO NECESSITY FOR HIM TO WADE THROUGH THE 30-ODD PAGE NOTICES TO AIRMEN SECTION

NOTICES TO AIRMEN SECTION

ALL TEMPORARY CONDITIONS (FIELD SOFT, RUNWAY UNDER CONSTRUCTION, RANGE COURSE OUT OF ALIGNMENT, ETC) ARE CITED IN FULL IN THE NOTICES TO AIRMEN SECTION UNTIL THEY ARE NO LONGER IN EFFECT. WHEN A CITATION CARRIES A PERMANENT ITEM AND A TEMPORARY ITEM, THE PERMANENT ITEM IS UNDERLINED. PARENTHETICAL DATE AT END OF ITEM INDICATES TIME ITEM WAS REPORTED. TO CONFORM TO CHART PRACTICE, ALL FACILITY DATA ARE LISTED IN THE NOTICES TO AIRMEN SECTION AND ON DATA PAGES ALPHABETICALLY BY STATES AND BY FACILITY NAME. THUS, AN AIRPORT WILL BE FOUND LISTED ALPHABETICALLY UNDER ITS OWN NAME RATHER THAN UNDER ITS LOCALE'S NAME. IF THE AIRPORT OR RADIO FACILITY NAME IS OTHER THAN THAT OF THE CITY IN WHICH IT IS LOCATED, THE LOCATION IS SHOWN IN PARENTHESIS AFTER THE FACILITY NAME.

SPECIAL NOTICES

NOTICES OF NATIONAL INTEREST, OF GREAT IMPORTANCE, OR OF NON-LOCALIZED NATURE, WILL BE FOUND AT THE BEGINNING OF THE NOTICES TO AIRMEN SECTION.

CIVIL FACILITY CHANGES: ADVISE WHOM

PLEASE ADVISE THE OFFICE OF AVIATION INFORMATION, ATTENTION A-250, C.A.A., DEPARTMENT OF COMMERCE, WASHINGTON 25, D.C. AS SOON AS TEMPORARY CONDITIONS COVERING CIVIL AIRPORTS OR NAVIGATIONAL AIDS BEGIN OR TERMINATE, OR FLIGHT HAZARDS ARE ERECTED OR REMOVED. FIELD DATA REVISIONS SHOULD BE SUBMITTED TO THE NEAREST C.A.A. DISTRICT AIRPORT ENGINEER.

TO ALL SUBMITTERS OF AIRMAN'S GUIDE DATA

AN UNDER-MANNED STAFF PREVENTS AN INDIVIDUAL ACKNOWLEDGMENT OF DATA SUBMITTED FOR THE AIRMAN'S GUIDE BY TELEGRAM, TELETYPE DISPATCH, OR LETTER. YOUR COOPERATION IN PERMITTING A GUIDE CITATION TO SUFFICE AS AN ACKNOWLEDGMENT WILL BE APPRECIATED.

INDEX OF FACILITIES

LEGEND

A - AIRPORT WITH AN ASSOCIATED RADIO FACILITY IDENTICALLY NAMED
FM - FAN MARKER
H - NON-DIRECTIONAL RADIO BEACON
R - RADIO RANGE
T - AIRPORT WITH CONTROL TOWER

N.B. ALL FACILITIES WITHOUT A LETTER SUFFIX ARE AIRPORTS. NAMES NOT FOLLOWED BY A NUMBER SUFFIX ARE NOT AIRPORTS BUT MERELY GEOGRAPHICAL LOCATIONS.

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" Rainbow Skyport (6)
Hamilton (6)

NEW FACILITIES: International Falls, Minn.(14) Buffalo, Mo.(89) Pittsville, Mo.(41) Joplin, Mo., Harper (89) Seymour, Mo., Owen (89) Van Buren, Mo.(89) Willow Springs, Mo.(89) Dixon, Mo.(89) Exeter, Mo., Clover Hill (89) Fredericktown, Mo.(89) Gainesville, Mo.(89) Quabbin, Mass H, FM (55) Grand Marais, Mich R (15) Bridger, Mont.(7) Pelkie, Mich., Baraga (15) New Baltimore, Mich., Anchor Bay (33) Armada, Mich (33) Bad Axe, Mich.(33) Chesaning, Mich.(33) Fremont, Mich., City of Fremont (33) Howell, Md., Midway (67) Hally, Mich.(33) East Tawas, Mich., Iosco Co.(33) New Hudson, Mich., Knapp (141)) Lowell, Mich.(33) Plainwell, Mich., McKay (33) Albion, Mich., Morgan's (33) Gobles, Mich., Wesler (33) Brainerd, Minn., Pine Beach (14) Red Oak, Mich., Lost Creek Sky Ranch (15) Topaz, Mich., Big Bear (15) Tawas City, Mich (33) Gaithersburg, Md., Davis (67) Hanover, Mass., Clark (57) Coldwater, Mich., Branch Co. (47) Graafschap, Mich., Tulip City (31,33) L'Anse, Mich., Muzzy's (15) Monroe, Mich., Custer (47,49) Springfield, Minn. (14) Quinnesec, Mich., Northland (15) Romeo, Mich.(33) St. Johns (33) Utica, Mich.(33) Kentwood, Miss.(129) Carrollton, Mo.(41) Eldon, Mo., Model Arpk (41) Galt, Mo., Ace High (41) Gorin, Mo., Wylies (41) Hayti, Mo., Downing (89) Kahoka, Mo., Montgomery (41) Lucerne, Mo., Myers-Hughs (41) Owensville, Mo., Depperman (41) Palmyra, Mo.(41) Rushville, Mo., East Atchison (43) St. Clair, Mo. (41) St. Joseph, Mo., Glenata (43) Dexter, Mich., Washtenaw (141) St. Joseph, Mo., Lake Contrary (43) Trenton, Mo., Embry (41) Tuscumbia, Mo., Sky Lake (41) Warrensburg, Mo., Sky Haven (41) Warrenton, Mo., Zims (41) Warsaw, Mo.(41) Berkley, Mass., Myricks (57) Benoit, Miss., McCain (113) North Dighton, Mass., Mid-City (57) Gregory, Mich., Richmond (33) Jonesville, Mich., Jonesville-Merchant (47) Charleston, Miss., Sayle (115) Crystal Springs, Miss. (113) Merigold, Miss., Jones (113) Round Lake, Miss., Watts (113)

Hardin
" Big Horn Co. (7)
" Zelka (7)
Harlem (7)
Harlowton (7)
Havre City-Co. (7)
Helena R, T (6)
Homestake LFM (6)
Hot Springs (6)
Huson,Six Mile (6)
Ingomar (7)
Jordan (7)
Kalispell (6)
" Flathead Co. (6)
Lavina (7)
Lewistown A, R (7)
Libby (3)
Livingston A, R (6)
" Int. (6)
Malta Arpk (7)
McDonald Pass FM (6)
Mildred (7)
Miles City A, R (7)
Missoula R (6)
" Hale (6)
" Missoula Co. (6)
Moore (7)
Mullan Pass R (3)
Nibbe FM (7)
Park City FM (7)
Plains (6)
Plentywood (10)
Polesbridge
" Quarter Circle M.C.
Polson (6) Ranch (6)
Poplar (7)
Rapelje (7)
Red Lodge (7)
Roundup (7)
St. Xavier (7)
Scobey (7)
Seeley Lake (6)
Shelby,Toole Co. (6)
Sheridan (6)
Sidney (10)
Stanford FM (6)
Stevensville (6)
Superior R, A (6)
Thompson,Pritchart (7)
Thompson Falls (3)
Townsend (6)
Troy (6)
Twin Bridges (6)
Valier (6)
Vida, Vine (7)
West Yellowstone (6)
Whitehall R, A (6)
Whitetail FM (6)
White Sulphur Spgs (6)
Winston FM (6)
Wolf Point (7)
" Gustafson-Anderson (7)

[redacted]

Ainsworth (28)
Alliance AAF (27)
" Mun. (27)
Atkinson (28)
Auburn (32)
Bayard (35)
Beatrice (37)
Beaver City,Hewett's
Benkelman (37) (37)
Big Springs (35)
Blair (39)
Bradshaw (37)
Brainard (37)
Broken Bow (37)
Bruning (37)
" Hawks (37)
Chadron H,A (27)
Chappell (35)
Clay Center (37)
Columbus (37)
Cozed,100th Meridian
Crawford (27) (37)
Crete (37)
David City (37)
Decatur,Eagleton (30)
Elgin (37)
Fairbury (37)
Falls City (39)
Fort Robinson (27)
Franklin,Lakeside (37)
Fremont (37)
Geneva, Fairmont (37)
Gordon (27)
Gothenburg (37)
Grand Island R (37)
" Central (37)
Harvard (37)
Hastings (37)
" Sky Ranch (37)
Hayes Center R,A (37)
Hay Springs (27)
Hebron (37)
Holdrege (37)
" Mun. (new) (37)
Humboldt, Hew's (39)
Imperial (37)
Kearney (37)
" AAF H,T (37)
Lewellen, Patty's(35)
Lexington (37)
Lincoln A,R (37)
" Arrow (37)
" Union (37)
" Waverly (37)
Lisca (35)
Lorenzo (35)
McCook (37)
" AAF (37)
Mead FM (37,39)
Mitchell (35)
Nebraska City
"Grundman (39)
Norfolk (37)
North Platte R (37)

Oakland (37)
Offutt T (39)
Ogallala (35)
Ohiowa (37)
Omaha R, T(37,39)
" Clear Ridge (39)
" Offutt T (39)
O'Neill Mun. (28)
Ord (37)
Oshkosh (35)
Overton (37)
Pender (28)
Potter,Bar 'J' Lazy V(35)
" Idle Acres (35)
Ravenna (37)

Rushville,Modisett(27)
Schuyler (37)
Scottsbluff R,A (35)
Scribner (37)
Seneca (27)
Sidney H, A (35)
Stratton, Hall (37)
Stuart, Skrdla (28)
Tecumseh (39)
Valentine (27)
Valley (39)
Wayne (28)

West Point (37)
York (37)

NEVADA

Alamo,Pahranagat (79)
Austin (22,77)
Basalt (77)
Battle Mountain A,R(22)
" Flight Strip(22)
Boulder City (79)
Buffalo Valley (22)
Caliente (79)
Carlin FM (22)
Carson City (77,22)
Crystal FM (79)
Deeth FM (22)
Elko R (22)
" Keddie (22)
Ely, Yelland (23)
Fallon A,R (77,22)
" Lahontan (77,22)
Fernley (77,22)
" Lahontan (77,22)
Gabbs (77)

Goodsprings FM(79)
Hawthorne (77)
Humboldt R,A (22)
Indian Springs (79)
Las Vegas T,R (79)
" Alamo (79)
" Hoot Gibson's(79)
" Sky Haven (79)
" Vegas Sky Corral(79)
Lovelock (22)
" Int. (22,77)
Manhattan (77)
Minden
" Douglas-Tahoe (77)
Mormon Mesa (79)

Owyhee (22)
Reno R A (77,22)
" Hubbard T (77,22)
San Jacinto (23)
Scottys (77)
Searchlight (79)
Smith,Smith Val'y (77)
Sparks (22,77)
" Reno Sky Ranch(22,77)
Tonopah A, R (77)
" AAF (77)
" Bomb.&Gun.Rng(77)
Ventosa (23)
Wadsworth FM (22,77)

Winnemucca (22)
" Int. (22)
Yerrington (22, 77)

NEW HAMPSHIRE

Berlin (18)
Boscawen FM (57)
Claremont (55)
Concord R, A (57)
Conway, Valley (57)
Grenier R, T (57)
Haverhill,Dean Mem'l(18
Hampton (57)
Hinsdale,Brattleboro—
Hinsdale Arpt. (55)
Hooksett Land & Seapl.
Keene (55) (57)
" Dillant-Hopkins (55)
Laconia (57)

Lebanon A, H (55)
Manchester,Grenier
R, T (57)
Nashua, Boire (57)
" Webster (57)
" Gate City Arpt (57)
Newport (55)
North Conway, White
Mountain (18)
Plymouth (57)
Portsmouth (57)
Sommersworth,Wayside
Twin Mtn.(18) (57)
Winchester(55) (57)
Wolfeboro,Lakes Region

NEW JERSEY

Aridover,Trinca (71)
Asbury Park FM,A(71)
Ashland, Echelon (69)
Atlantic City (71)
" NAS T (71)

Barrington,Merrill(69)
Basking Ridge Sommer-
set Hills (71)
Belmar,Monmouth Co.
(71)
Belvidere,Martins
Creek (53)
Bendix,Teterboro T(71)
Blackwood (69)
Blairstown,Lake Sus-
quehanna(53,71)
Boonton,Acft Rdo Corp.
Bridgeport (69) (71)
Bridgeton,Buck's (67)
Burlington (69,71)
Caldwell-Wright T (71)
Camden,Central (69)
Cape May (71)
" Courthouse Smith(71)
Cassville LFM (71)
Chatsworth,Coyle (71)
Clarksville,Nassau (71)
Clinton,NW Jersey (71)
East Hanover (71)
Elizabeth LFM (71)
Florence(69,71)
Forked River A,FM (71)
Fort Dix (71)
Freehold FM (71)
Glassboro,Triangle (69)
Greenwich (67)
Hackettstown (71)
Hightstown (71)
Lakehurst R,T (71)
Lakewood (71)
Landisville,Downstown
Lebanon FM (71) (71)
Lincoln Park (71)
Marlton-Medford (69)
Matawan R (71)
Metuchen FM (71)
Millville A, R. (67)
Moorestown (69)
Morristown (71)
Mt. Holly (69,71)
Newark R, T (71)
New Brunswick, Hadley
(71)
" North Brunswick(71)
Ocean City,Clarke (71)
Paterson,Murchio (71)
Pennington (71)
Penns Grove (67)
Pitman (69)
Pittstown,Alexandria
(67)
Rahway,Westfield (71)
Readington,Solberg-
Hunterdon (71)
Red Bank (71)
Richland,Cavolios (71)
Salem (67)
Sommerville,Somerset
Sussex (55) (71)
Toms River (67)
Trenton (71)
" Mercer Co.(69,71)
" Trenton (new)(69,71)
Vineland,Kroelinger(67)
Wildwood (71)
Woodbine (71)
Woodbridge, Shinn-
Woodbridge (71)
Woodbury (69)
Wrightstown,Ft.Dix(71)

NEW MEXICO

Acomita A, R (81)
Alamogordo A,R (105)
" AAF (105)
Albuquerque A, R (83)
" Alameda (83)
" Cutter-Carr #2 (83)
" Graham Bell (83)
" Kirtland T (83)
" Sky Court (83)
" West Mesa (83)
Anton Chico (83)
Artesia (105)
Aztec (81)
Belen (83)
" Art Goebel (83)
Berino,Valley (105)
Carlsbad A,R (105,121)
" Mun. (105,121)
" Carlsbad #1 (105,121)
" John J. Small (105,121)
" Tracy (105,121)
Carrizozo (105)
Clayton (83)
Clovis R,A, (83)
" AAF T (83)
" Hillcrest (83)
Columbus R,A (105)
Cubero (81)
Cuervo (83)
" Holbrook's (83)
Deming Arpk (105)
" AAF (105)
" Center (105)
" Skytel (105)
Des Moines,Wetherly(83)
Dora (107)
Eagle Nest (83)
El Morro R, A (81)
Engle R, A (105)
Farmington (81)
Ft. Sumner (83)
" #5 (83)
Gallup (81)
" Gallup City (81)
Hachita (105)
Harrington Ranch FM
(105)
Hobbs R, A (107,121)
" AAF T (107,121)

Hot Springs (105)
Hurley (105)
Jal,Continental(107,121)
Juan Tomas FM (83)
Las Cruces (105)
" Mun. (105)
" Int. (105)
Las Vegas A, R (83)
Lordsburg (103,105)
Lovington (107)
Magdalena (105)
Maxwell A, FM (83)
Mesilla Park,State
College (105)
Milnesand,Fly 'M' (107)
Mountainair (83)
Mt. Riley (105)
Otto R, A (83)
Peralta FM (83)
Portales (107)
Raton,Crews ((83)
" Eagle Tail (83)
Rodeo R,A, (103,105)
Roswell (105)
" Com. (105)
" B & B (105)
" AAF R, T (105)
" AAF #3 (105)
Roy (83)
Ruidoso,Parker (105)

Santa Fe (new)H,A(83)
" (old) (83)
Shiprock,Indian Svc (81)
Silver City (105)
" Whitehill(105)
Socorro (105)
Springer (83)
Strauss,Jundt (105)
Taos (83)
Tucumcari A, R (83)
Tularosa (105)
Wagon Mound (83)

NEW YORK

Accord
" Cliff Haven (55)
Albany A, R (55)
Albion (51)
Amityville,Zahns (71)
Angola A, FM (51)
Amsterdam (55)
Angelica (53)
Arcade (51)
Armonk,Westchester
Auburn (53) (55)
Auriesville FM (55)
Ballston Spa (55)
Barker Trade Sch. (55)
Batavia (51)
Bayport,Davis (71)
Bedford,White (55)
Beekman,Lime Ridge
(55)
Bethpage,Grumman T(71)
Billings,Freedom
Plains (55)
Binghamton (53)

Boonville (53)
Brentwood,Bender (71)
Brocton-Becker (51)
Buffalo R,T (51)
Burt,Lakeview (51)
Canastota (53)
Carlisle,Briggs (55)
Carthage (53)
Catskill Valley (55)
Cheektowoga FM (51)
Cicero (53)
Clarence,Co.Club (51)
Clayton,Sunnybrook (18)
Colonie FM (55)
Commack,Carll Skyport
Cooperstown (55) (71)
Corinth (55)
Cortland (53)
Dansville A, H (53)
Deer Park (71)
Delanson,Sky Haven (55)
Depew,Transit (51)
Dunkirk A, H (51)
" Werle (51)
E.Amherst,Steffen(51)
E.Greenbush (55)
E.Hampton (55)
E.Pembroke FM (51)
" Pembroke (51)
Edgemere,Rockaway
Elizabeth (55) (71)
Elmira R (53)
" Chemung Co. (53)
" Pine City (53)
Endicott,Tri-Cities T
Falconer (51) (53)
Farmingdale,Republic
T (71)
Fisher's Isl,Elizabeth
(55)
Flatbush H,FM (71)
Flushing (71)
Floyd Bennett R,T, H
(71)
Fort Plain,Stone Arabia
" Int. (55) (55)
Fredonia (51)
Fulton (53)
" Arpk (53)
Gardenville,Buffalo(51)
Geneva,Mason (53)
Getzville,Audubon(51)
Glens Falls H,A (55)
" Warren Co. (55)
Gloversville,Glove City
" Steenburg (55) (55)
Gowanda (51)
Greenridge,Hughes (71)
Halcott Ctr,Halcott (55)
Hamburg Arpk (51)
" Erie Co. (51)
Hamilton,Colgate U.(53)
Hammondsport,Bath-
Hammondsport (53)
" Mercury (53)
Hancock (53)
Hempstead,Mitchel R,
T (71)
" Nassau (71)
Herkimer,Hayduk (55)
Hicksville Arpk (71)
" Avia .Co.Club (71)
Hilton (53)
Honeoye Falls (53)
Hornell (53)
Horseheads,Eagle (53)
Hudson Falls (55)
Idlewild R (71)
Islip,MacArthur T (71)
Ithaca (53)
" Cayuga (53)
Jamestown (51)
Johnstown,Vaughan (55)
" Fulco (55)
Keene,Marcy (18)
Keeseville (18)
Kingston (55)
" Kingston-Ulster (55)
Kirksville (53)
Lake Placid (18)
Lake View (51)
Lancaster,Scott (51)
Livingston,Manor (55)
Lockport,Graf (51)
" Lee (51)
Mahopac (55)
Malone-Dufort (18)
Margaretville-Fleisch-
man (55)
Massapequa
" Fitzmaurice (71)
Massena A, R (18)
" Stewart (18)
Mastic (71)
Mattituck (57)
Medina (51)

Mexico,Ladd's (53)
Middleburg,Valley(55)
Middletown,Randall's
" Starhaven (55) (55)
Millerton (55)
Mineola,Roosevelt (71)
Minoa (53)
Mitchel R, T (71)
Montgomery (55)
" U.S.Mil.Acad.#1 (55)
Monticello-Sullivan Co.
(55)
Montour Falls,Martin
(53)
Narrowsburg (53)

New Baltimore,Farly's
(55)
Newburgh,StewartR,T
(55)
" Stanton's-Newburgh
Cub Port (55)
New City,Christie (55)
" Rockland (55)
New Hackensack A,R (55
New Paltz (55)
New Rochelle H,FM
(71)
New Springville,Staten
Island (71)
New York NAS,Floyd
Bennett R,T (71)
" La Guardia R,T (71)
Niagara Falls T (51)
North Tonawanda,Co.
Line (51)
" Shawnee Fly.Svc.(51)
Northville,Sacandaga
Park (55)
" Plateau (55) (53)
Norwich,Warren Eaton
Norwood,Reagan (18)
Nyack,Miller (55)
Ogdensburg (18)
Olcott, Palmer (51)
Olean (51)
Oneonta,Keyes (53)
Orchard Park (55)
Owasco,Bonnie Brae
(53)
Painted Post (53)
" Costa's (53)
Peekskill,Croton (55)
Penn Yan (53)
Perry Central (51)
" Fly. Svc (51)
Piseco (55)
Pittsford,Brizee (53)
Plattsburg,mun. (18)
Port Chester FM (71)
Port Jervis,Huguenot
(55)
Potsdam,Damon (18)
Poughkeepsie,
" Arlington (55)
Pulaski,Ross (53)
Ravena (55)
Red Creek (53)
Rexford,Long Meadow
(55)
Rhinebeck,Cozine(55)
Richland (53)
Richmondville
" Schoharie (55)
Ripley (51)
Rochester R,T (53)
" Comm. (53)
" Meacham-Genessee
" Hylan (53) (53)
" Ridgeway (53)
Rockaway Park LFM
Rome T (53) (71)
Rushville (53)
Salamanca (51)
Saranac Lake (18)
Saratoga Spgs FM (55)
Sayville (71)
Schenectady Co. (55)
" Intercity (55)
Schuylerville (55)
Scottsville (53)
Selkirk (55)
Seneca Falls (53)
Sidney (53)

Silver Creek (51)
Silver Springs (51)
Somers (55)
Springville (51)
Spring Valley ,Co.(55)
Stewart R,T (55)
Stormville (55)
Syracuse A,R (53)
" Mun T. (53)
Ticonderoga (55)
Tonawanda (51)
Travis,Richmond Co.
Troy (55) (71)
Tupper Lake (18)
Utica A,R (53)
" Smithport (53)
Valley Stream,
Columbia (71)
Walden,Newburgh-
Walden (55)
Wallkill,U.S.Mil.Acad.
#2 (55)
Wappingers Falls (55)
Warwick-Wickham (55)
Watertown R (53)
" Bradley (18)
Wellsv'l,Crowner(53)
Westfield (51)
Westhampton Beach
" Suffolk Co. (55)
Westport (18)
White Plains,
" Westchester Co. T
(55)
Whitesville,
Community (53)
Williamsville,Sheridan
(51)
Wilson Flying Fld (51)
Wingdale (55)
Wollcottsville FM (81)
Wurtsboro (55)

NORTH CAROLINA

Aberdeen (95)

Asheboro (95)
Asheville-Henderson-
ville (93)
" Josephson (93)
" Owens (93)
Atlantic (97)
Aydelette FM (97)
Barco (97)
Beaufort-Morehead
City (97)
Balloon #1 (95)
Belmont (95)
Black Mountain (93)
Bogue (97)
Brevard,H & M (93)
Burgaw (97)
Burlington (95)
" Fairchild (95)
Camp LeJeune T (97)
Camp MacKall (95)
Candor (95)
Carolina Beach(97,119)
Chadbourn Duke (95)
Chapel Hill,Wms. (95)
" Hogan (95)
Charlotte R (95)
" Cannon (95)
" Delta (95)
" Douglas T (95)
" Plaza (95)
Cherry Point R (97)
" MCAS T (97)
Clinton (97)
Concord (95)
" Coley (95)
Derita,Brockenbrough
(93,95)
Draper,Tri-City (95)
Durham (95)
" Pharis (95)
Eagle Spgs,Parkers(95)
Edenton FM, A (97)
Elizabeth City T (97)
" Woodville (97)
Elkin (95,93)
Enfield (97)
Erwin (95)
Fayetteville (95)
Ft.Bragg,Balloon (95)
" Pope R,T (95)
Franklin (93)
Gastonia.Mun.(95,93)

NEW FACILITIES: Ainsworth, Neb.,Mun.(28) Trenton, Neb. (37) Prattsville, N.Y.(55) Jonesville,N.Y.,Jewett (55) Errol, N.H. (18) Littleton,N.H.(18) Geneva,Neb.,Flying Service (37) Grand Island,Neb.,Roush (37) Kearney,Neb.,Harmon (37) Republican City,Neb.,Waldo Air Service (37) Superior,Neb.,Mun. (37) Ashland,N.H.,Riverside (57) East Jaffrey,N.H.,Silver Ranch (55) Franklin,N.H.,Awys Inc.(57) Columbus,N.J.,Mahalchik (71) Woodston,N.J. (67) Jamesburg,N.J.,Forsgate Arpk Inc.(71) New Brunswick,N.J.,Mid-Jersey(71) Robbinsville,N.J.,Trenton-Robbinsville (71) Rocky Hill,N.J.,Princeton (71) Vineland,N.J. (67) Williamstown,N.J.,Star Harbor (71) Palmyra,N.Y.(53) Deming,N.M.,Cooper (105) Estancia,N.M.(83) Grants,N.M.,Landing Strip (81) Lordsburg,N.M., Kuykendall (103,105) Moriarty,N.M.,Longhorn (83) Duanesburg,N.Y. (55) Gardiner,N.Y. (55) Ghent,N.Y.,Kline-Kill (55) Honesdale,N.Y.(53) Sayville,N.Y.,New Sayville (71) Abbottsburg,N.C.,Bowless (95) Ayden,N.C.(97) Bladenboro,N.C.(95) Coats,N.C.,Smith's (95) Creswell,N.C.(97) Fort Calhoun,Neb. FM (37) Wisner,Nebr.,Heller(37) Portsmouth,N.H.,Lafayette(57) Whitefield,N.H.,White Mountain(18) Blackwood,N.J.,Almonesson(69) Bridgeton,N.J.,Seabrook(67) Mahwah,N.J.,Ramapo Valley(55) Pittstown,N.J.,Brown(71) Sodus,N.Y.,Wallington(53) Albemarle,N.C.(95) Tekamah,Nebr.(37) Wahoo,Nebr.(37) Breton Woods,N.J.,Ocean Co.(71) Zepher Cove,Nev.,Tahoe Sky Harbor(77) Maine,N.Y.,Nanticoke Valley(53)

Gastonia,Spindle City (93,95)
Gibsonville, McLean Bros. (95)
Goldsboro, Seymour-Johnson (97)
Greensboro R (95)
" High Point T (95)
" South (95) (97)
Greenville (97)
Henderson (97)
Hendersonville (93)
Hickory (95,93)
High Point,Pralay(95)
Hoffman, Camp McKall AAF (95)
Jacksonville (97)
Julian,Gilmore #1 (95)
Kannapolis (95)
" Carolina Arpk (95)
Kings Mtn (95,93)
" Bridges (95,93)
Kinston (97)
" South (97)
Laurinburg, Pine Acres (95)
Lexington (95)
Lillington (95)
Lincolnton (95,93)
" Burris (93,95)
Louisburg,Franklin(97)
Lumberton M (95)
Manteo FM (97)
" Roanoke Isl. (97)
Marion, Francis Marion (93)
Maxton, Laurinburg-Maxton (95)
Mayodan,Mayo (95)
Micaville (93)
Mocksville (95)
Monroe (95)
" Mun. (95)
Mooresville,Harris (95)
Morganton
" Lenoir (93)
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Mead, Wallace (3)
Metaline Falls, Sullivan Lakes (3)
Moses Lake (3)
Mt. Vernon,Barker & Dean (2)
" OLP T (2)
Neah Bay R (2)
Newport (3)
North Bend,Snoqualmie Pass (2)
Okanogan-Legion (3)
Olympia (2)
Omak,Okanogan (3)
Opportunity,Lemon (3)
Orchards,Evergreen
Oroville,Scott (3) (143)
Pasco (3)
Paterson,Anderson (3)
Port Angeles CGAS T
" Clallam Co. (3) (2)
Port Orchard, South Port Orchard (143)
Port Townsend,Co-City
Prosser (3) (2)
Pullman-Moscow Reg.
Puyallup (143) (3)
" Northern Tacoma
Quillayute (2) (143)
Renton,Boeing-Renton (143)
Republic,Fair-weather (3)
Richland Air Base (3)
Ritzville (3)
Rosalia (3)
Seattle R (2,143)
" NAS H,T (143)
" Boeing T (143)
" Seattle-Tacoma(143)
Shelton,Mason Co. (2)
Silverdale, Apex (143)
Snohomish (2)
Spanaway,Forest Grove
" Act Co.(143) (143)
Spokane R (3)
" AAF T (3)
" Calkins Air Term
" Felts T (3) (3)
" Geiger (3)
Sprague (3)
Stevenson FM (2)
Sunnyside (3)
Tacoma (143)
" Arpk (143)
" Barrys Sky Harbor (143)
" City View Arpk(143)
" Lakewood (143)

" McChord R,T (143, Toledo-Winlock (2) 2)
Tonasket (3)
Toppenish (2)
Twisp (2)
Vancouver (143)
" Mun. (143)
Vista (3)
Walla Walla R (3)
" AAF T (3)
Washougal FM (2,143)
Washtucna (3)
Wenatchee, Pancher(2)
" Pangborn (2)
Westport (2)
Whidbey Island R, E,T
Wilbur (3) (3)
Winthrop,Intercity (2)
" Pasayten (2)
Woodland FM (2,143)
Yakima R (2)
" County T (2)
[redacted]
Beckley, Scott (61,63)
Buckhannon,Lewis (63)
Bunker Hill, Ridgeway (63)
Burlington, Baker (63)
Charleston R (61,63)
" Bellinger (61,63)
Clarksburg, Benedum
Elk Garden (63) (63)
Elkins A, R (63)
Glendale (63)
Greenbrier (63)
Hinton (63,61)
Hollidays Cove
" Weirton (63)
Huntington R (61,63)
Logan (61,63)
Martinton (63)
Martinsburg A,R (63,67)
" North End (67)
Moorefield (63)
Morgantown A,R (65)
New Cumberland, Herron (65)
Parkersburg,Stewart
" Wood Co.(61,63) (61,63)
Payne ville H (61,63)
Pence Spgs. Hinton
Alderson (65,61)
Petersburg (65)
Princeton (63,61)
Ravenswood(63,61)
Romney (65)
Ronceverte (65)
Spencer,Roane Co.(63, Sutton (65,61) 61)
Terra Alta,Forman (65)
Weston, Bennett (65)
Wheeling-Ohio Co.R
White Sulphur (65)
" Greenbrier AAF (65)
Williamson,Morris (63,63)
Winfield,Clark (61,63)

WISCONSIN

Amery (14)
Antigo (15)
Appleton, Outagamie (15, 31)
Arbor-Vitae(15)
Ashland (14)
Baraboo,Bell-Aero (31)
Barron (14)
Beaver Dam (31))
Black River Falls
" Jackson Co. (14)
Bloomer, Pines (14)
Boulder (15)
Boyceville (14)
Brodhead,Bill's (31)
Camp Douglas -
Camp Douglas - Camp Williams(29,
Camp McCoy (29) 31)
Cedarburg, Grob (31)
Chetek (14)
Chippewa Falls (14)
Clintonville (15,31) (31)
Colby-Abbotsford (14,
Columbus Mun. (14)
Dallas (14)
Darlington,Red Rock (29,31)
DePere, Nicolet (15,31)
Durand, Schlosser (14)
Eagle River (15)
Eau Claire (14)
" (Mun.) (14)
Elkhorn (31))
Fifield, Boyd's Mason Lake (14)
Fond du Lac (31,15)
Genessee FM (31)
Grantsburg (14)
Green Bay, Brown Co. (15,31)

Green Lake (15,31)
Hales Corner, Wisconsin Skyways (31)
Hayward (14)
Hudson Fly.Svc. (14)
Janesville City (31)
" Rock Co (31)

Kenosha A,FM (31)
Kohler (15,31)
La Crosse A,R (29)
" Int (29)
Ladysmith,Rusk Co(14)
Lake Delton, Wisconsin Dells Lake Delton(31)
Land O'Lakes, King's Gateway (15)
Lone Rock R,A (29,31)
Madison R (31)
" Morey (31)
" Four Lakes (31)
" Truax (31)
Medford,Taylor Co(14)
Manitowoc (15,31)
Manitowish
" - Waters Arpt (15)
Marshfield (14,31)
Merrill (15)
Milwaukee R (31)
" Brown Deer (31)
" Curtiss-Wright (31)
" Mitchell T (31)
" Skyhaven (31)
" Maitland (31)
Minong, Hultquist's Sky Ranch (14)
Monroe, Badger (31)
Neenah, Val'y Arways
Neillsville(14) (15,31)
Oconto Mun (15,31)
Oconto Falls (15,31)
Omro, Ginnow (15,31)
Oshkosh
" Winnebago Co.(15,31)
Phillips (14)
" Price Lake (14)
Plymouth, Sky Village (15,31)
" Chaplin (15,31)
Portage,Mael (31)
Pulaski,Kubiak's (15,31)
Racine,Horlick-Racine (31))
Rhinelander (15)
Rice Lake (14)
" Arrowhead (14)
Sextonville,Richland
Shullsburg (29,31) (31)
Shawano (15,31)
Sparta, Sparta-Angelo (29)
Spooner (14)
Stevens Point (15,31)
Sturgeon Bay
" Cherryland (15,31)
Sturtevant,Air City (31)
Superior, Richard Bong
Three Lakes (15) (14)
Tomah (29,31)
Tomahawk (15)
Washington Island (15)
Watertown (31))
Waukesha Co. (31)
Waupaca (15,31)
Waupun (31)
Wausau,Alexander (15,31)

West Bend Fly.Svc(31)
Whitewater (31)
Winter, Rainbow (14)
Wisconsin Rapids - Nepco Tri-City(15,31)

WYOMING

Afton (23)
Archer LFM (35)
Basin (7)
Big Piney (23)
Buffalo (7)
Casper R (26)
" AAF T (26)
" Casper Central (26)
" Wardwell (26)
Cheyenne, R,T (35)
Cody (7)
Cokesville (23)
Cowley, Cowley - Lowell-Bryon (7)
Douglas A, H (26)
Dull Center,Hoadley (27)
Evanston (23)
" City (23)
Fort Bridger R,A (23)
Gillette Arpk (7)
" Mun. (7)
Greybull (7)
Jackson (23)
Kemmerer (23)
Lander (26)
Laramie R (26,35)
" Brees (26,35)
Lingle (27)
Lusk (27)
Meadows FM (35)
Medicine Bow(26,35)
Midwest FM (26)
New Castle, Mondell (27)
Parkerton FM(26)
Pine Bluffs (35)
Pinedale (26)
Point of Rocks FM(26)
Powell (7)
Rawlins (35)
Riverton (26)
Rock Springs (new)
" Mun. (26)
Saratoga (26,35)
Sheridan R, LFM (7)
" Sheridan Co. (7,35)
Silver Crown FM(26,
Sinclair R, A (26,35)
Sussex (26)
Thermopolis (26)
Torrington (27)
Upton FM (7)
Wamsutter (26,36)
Wheatland (27)
" East Side (27)
Worland (26)

NEW FACILITIES: Bristol,Va.,Combs (93) Spokane, Wash.,Manito(3) Seattle,Wash..Bellevue (143)Lovell,Wyo.,Mun. (7) Meeteetse,Wyo.,Mun.(7) Shoshoni,Wyo.(26) Hurricane,Utah (79) Salina,Utah,Salina-Gunnison(23) Marysville,Wash.,Marysville Bay Meadows (2) Iron River,Wis.,Union (14)Colchester,Vt..Champlain (18) East Montpelier, Vt.,Fairmont (18) Middlebury, Vt. (55)Thetford,Vt.,Post Mills (55) Richmond,Va.,Parnell(67) St. Albans,Vt.,Point Hill (18)Spencer,Wis.(14) Elma,Wash.(2) Mossyrock,Wash.(2) Montesano,Wash.,Summit(2) Laramie,Wyo.(26)Moran,Wyo.,Signal Mt. (23) Vernon,Tex.,Arpk (107) Portsmouth,Va.,Roosevelt(141) Berlin,Wis.(15,31) Boscobel,Wis.(29) Coloma,Wis.(15,31) Lancaster,Wis.,Fly.Svc.(29)Lemonweir,Wis,Mauston(29,31) New Lisbon,Wis;Tucker Fly Svc(29,31) Owen,Wis.(14,31) Platteville,Wis.,Platte (29,31) Rothschild,Wis.,Wisconsin Valley (15,31)Shell Lake,Wis.(14) Thorp, Wis.(14) Thorpe,Wis.,City (14) Wonewoc,Wis.Castle Rock(29,31)College Place,Wash..Sky Ranch (3) Lemmington,Vt.,Lemmington-Colbrook(18) Brodnax,Va.,Pennington(97) Chatham,Va.,Chatham-Gretna(95) Culpeper,Va.(65) Culpeper,Va.(65) Culpeper,Va.,Reynolds(67) Elkton,Va.(65) Independence,Va.,Cox(93,95) Luray,Va.(65) Norfolk,Va.,Norview(141) Portsmouth,Va.(141) Suffolk,Va.,Peanut City(141)Timberville,Va.,New Market-Timberville(65) Virginia Beach,Va.,Thalia(141) Waynesboro,Va.(65) Harrington,Wash.,Armstrong's Ranch(3) Klipsan Beach,Wash.,Ocean Park (2) Longview,Wash.,Vision(2) Cumberland,W Va.,Herron(65) Taplin,W.Va.,McDonald(61,63) Brewster,Wash.,Riverview(3) Graham,Wash.,S & S Airstrip (3) Maflott,Wash (3) San de Fuca,Wash.,Whidbey Island (2)

GCA AVAILABLE: How and Where

GROUND CONTROLLED APPROACH (GCA) AVAILABLE TO CIVIL PILOTS AS WELL AS ARMY AND NAVY: All GCA facilities (Army, Navy, or CAA) are available to any plane in emergency. To secure GCA assistance pilots should call the associated control tower for instructions.

In addition to the working frequencies listed below, Army and Navy GCA emergency VHF transmissions are made on 140.58 mcs. Simplex service on 3117.5 kcs will be provided at all Army and Navy installations to provide an alternate means of communications for scheduled air carrier aircraft. Army and Navy towers will relay GCA instructions on 200-400 kcs band to civil aricraft not equipped to receive VHF or HF.

A minimum of 30 minutes will generally be required to assemble a GCA crew and prepare the equipment for operation AFTER an alert has been received at those locations not providing continuous service.

NAVY GROUND CONTROLLED APPROACH (GCA): Universal frequencies allocated primarily for Navy GCA operational use ,transmitting and receiving. are as follows:

HF Communications	VHF Communications
3475,4890,6640 kcs.	134.64,142.02,143.64 mcs.

Navy GCA Units shall be prepared to control aircraft on the interim U.S. emergency **frequency, 140.58 mcs, transmit and receive. Use of this frequency should be** restricted **to emergencies and routine check of communication equipment.**

In addition to above, Navy GCA Units will be prepared to transmit on HF from 2000 to 18100 kcs, and receive on 1500 to 9050 kcs to aid any plane in emergency.

To promote flight safety, the Navy Department has made its GCA facilities available to civil aircraft for emergency use. Practice approaches by civil aircraft is restricted to multi-engine aircraft because of personnel and equipment limitations. Navy GCA Units shall be prepared to control scheduled aircarriers in emergencies on 140.58 mcs and 3117.5 kcs, transmit and receive. In addition arrangements shall be made to transmit GCA control instructions on tower low frequency either directly or by relay through the tower to aircraft in distress and not able to receive on any other frequency.

Call signs for all Navy GCA Units are the name of the field plus "GCA" Example: "Norfolk GCA"

ARMY GROUND CONTROLLED APPROACH (GCA): (a) CONTACT: Pilots requiring GCA assistance should call the associated control tower requesting instructions for working GCA. Example: "Andrews Tower, this is Army 5555, request GCA". (b) TOWER INSTRUCTIONS: Control towers will ascertain frequencies available to both pilot and GCA, advise the pilot and establish contact with the GCA unit. Example: "Army 5555, this is Andrews Tower, do you have channel G, over" "Andrews Tower, this is Army 5555, channel G available, over". "Army 5555, this is Andrews Tower, establish contact with GCA on channel G, out" "Andrews GCA, this is Army 5555, over". "Army 5555, this is Andrews GCA, your position is now etc.....". (c) EMERGENCY: When receiver and transmitter difficulties exist, the tower may relay Ground Controlled Approach instructions to the pilot. However, from a safety standpoint the procedure should be used as an emergency contingent only. (d) ALERTING GCA: After being inoperative, GCA units require approximately 20 to 30 minutes for warming up. Pilots should anticipate requirement for GCA in flight planning and request alerting of GCA units as far in advance as possible.

C.A.A. GROUND CONTROLLED APPROACH (GCA): The C.A.A. has control tower operated GCA units at Washington National Airport, Chicago Airport and La Guardia Field. Another unit is operated at Indianapolis Airport but is not remoted to the tower. These units are available for practice purposes and emergency use.

CAA GCA UNITS

LOCATION	FREQUENCIES		REMARKS
	Transmitting	Receiving	
Chicago Arpt, Ill.	350 kcs;109.5, 126.18 mcs.	3105,4495,6210, 3117.5 kcs;126.18, 118.1,118.7,122.5mcs.	Continuous.
Indianapolis Arpt, Ind.	212 kcs;126.18 mcs.	3105,3117.5,4495, 6210 kcs;126.18mcs.	0800-1600 Mon-Fri
LaGuardia Fld,N.Y.	118.7 mcs 140.58(emerg)	3105,6210,3117.5 kcs, 118.7 mcs. 140.58(emerg)	Oper cont.Emerg use avail.only 0800-2400
Washington Nat.Arpt,D.C.	322.278 kcs;118.1, 118.5,126.18 mcs 140.58(emerg)	(4);118.1,118.5,122.5 126.18;140.58 mcs (emerg)on 30-min.notice	Oper cont.Emerg use avail.only 0800-2400

NAVY GCA UNITS

LOCATION	FREQUENCIES		REMARKS (Weather minimums; hrs. of oper)
	Transmitting	Receiving	
Atlantic City NAS, N.J.	*,275 kcs	+	200', 1/4 mi.30-min.not.
Cherry Point MCAS, N.C.	*	+	300',1/2 mi.30-min.not.
Corpus Christi NAS,Texas	*,126.18,128.70 142.74 mcs,248kc	+,126.18,128.70 142.74 mcs.	100',1/2 mi.30-min.not.
El Toro MCAS, Calif.	*	+	30-min. notice.
Jacksonville NAS (Lee Fld) Fla.	*	+	200',1/2 mi.15-min.not.
Miramar MCAS, Calif.	*	+	200',3/4 mi.30-min.not.
Moffett Fld NAS, Calif.	*	+	100',1/2 mi.Continuous.
New York NAS (Floyd Bennett), N.Y.	*,383 kcs	+	100',1/4 mi.30-min.not.
Norfolk NAS, Va.	*,323 kcs	+	200',1/2 mi.30-min.not.
Oakland NAS,Calif.	*	+	100',1/4 mi.30-min.not.
Olathe NAS, Kans.	*	+	100',1/4 mi.30-min.not.
Patuxent River NAS,Md.	*.347 kcs	+	100',1/4 mi.Continuous.
Quonset Point NAS, R.I.	*	+	100',1/4 mi.30-min.not.
Saufley Fld NAAS, Fla.	*	+	100',1/4 mi.30-min.not.
Seattle NAS, Wash.	*.230 kcs	+	100',1/2 mi.30-min.not.
Squantum NAS, Mass.	*	+	200',1/2 mi.30-min.not.
Whidbey Island NAS, Wash.	*,278 kcs	+	100',1/4 mi.30-min.not.

Standard freqs = 3475,4890,6640 kcs; 134.64,142.02,143.64 mcs.
* **Standard,** 3117.5 kcs,140.58 **mcs, & HF from** 2000 **to 18100 kcs..**
+ Standard, 3117.5 kcs,140.58 mcs, & HF from 1500 to 9050 kcs.

ARMY GCA UNITS

LOCATION	FREQUENCIES		REMARKS (Hrs. of operation,etc.)
	Transmitting	Receiving	
Fairfield-Suisun AAF, Calif.	HF, VHF, 3117.5 kcs, 131.4 mcs.	350,3117.5 kcs or any freq between 1500-18000 on req	Cont during IFR;0900-2100 **Mon**-Fri;30-min notice other times.
Barksdale Fld, La.	HF, VHF	VHF,3117.5,4495, 6210 kcs. 116.1 mcs.	0800-1700 Mon-Fri;cont. during **IFR; 40-min. not**-ice other times.
Westover Fld,Mass.	137.88,140.58, 134.1,137.7 mcs.	137.88,140.58, 134.1,137.7 mcs; 3117.5 kcs.	On training status only. Should **not** be **used for ac**-tual inst. low approach.
Andrews Fld, Md.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,4495,3117.5, 3105,6210 kcs, 116.1 mcs.	Cont during IFR;0800-1700 CFR;30 -min. not-ice other times.
Clinton Co. AAF, Ohio	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,116.1 mcs, 1500-18000 kcs.	Cont during IFR;0800-2200 **CFR;** 30-min. **not**-ice other times.
Langley Fld, Va.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF, 3105,3117.5 4495, 6210 kcs, 116.1 mcs.	Cont during IFR;0800-1630 CFR; 40-min. **not**-ice other times.
Mitchel Fld, N.Y.	HF, VHF, 3117.5 kcs,116.1 mcs	VHF,3105,3117.5, 4495,4765 kcs, 116.1 mcs.	Cont. during IFR;training flights 0900-1130 & 1300-1630 **during CFR, 40-min.** notice **other times.**

HF= 3475, 4890,6640 kcs. **VHF = 126.18,134.1,137.7,137.88,140.58 mcs.**

N.B. Weather minimums: **For** clearance purposes **minimums established in** TO-08-15-3 or AAF Regulations 60-16 apply.

N.B. Pilots desirous of making practice GCA approaches should make their **own** arrangements with the tower **concerned.**

AIR NAVIGATION RADIO AIDS

LEGEND

(3) - Station guards 3105, 4495, 6210 kcs
(4) - Station guards 3105, 4495, 6210, 3117.5 kcs.
(7-24) - Hours of operation (7 A M. to midnight) on a 24-hour clock basis
→ - New or revised data*

RADIO CLASS DESIGNATIONS

AC..... Approach Control Tower, CAA
B..... Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited)
C..... Control Tower, CAA
CA..... Control Tower, Army
CI..... Control Tower (City,County,Private, etc.)
CN..... Control Tower, Navy
D..... Distantly controlled
FM.....VHF fan type marker (100 watts)
FMHW.....Non-directional radio beacon when combined with fan marker.
GCA..... Ground control approach system
H..... Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System (voice on localizer channel)
IM.....VHF boundary marker
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
MH.....Non-directional radio-beacon (homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts.
MM.....VHF middle marker
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50 less than 150 watts
MRL.....Range (loop radiators), power more than 50 less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within
P.....Point to point radio } 5.5 miles of middle marker
RA.....Range (adcock, vertical radiators), power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous (range signals and voice) type of transmitter
T.....Teletype
TX.....Principal teletype
V.....Additional voice feature on VHF
VAR.....Visual-aural VHF range (every VAR has simultaneous
VOR.....Visual omni-directional VHF range } voice feature)
W.....Without voice facilities
Z.....VHF station location marker at a range station

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE •—	E-EASY •	I-ITEM ••	M-MIKE ——	Q-QUEEN ——•—	U-UNCLE ••—	Y-YOKE —•——
B-BAKER —•••	F-FOX ••—•	J-JIG •———	N-NAN —•	R-ROGER •—•	V-VICTOR •••—	Z-ZEBRA ——••
C-CHARLIE —•—•	G-GEORGE ——•	K-KING —•—	O-OBOE ———	S-SUGAR •••	W-WILLIAM •——	
D-DOG —••	H-HOW ••••	L-LOVE •—••	P-PETER •——•	T-TARE —	X-XRAY —••—	

1 •———— 3 •••—— 5 ••••• 7 ——••• 9 ————•
2 ••——— 4 ••••— 6 —•••• 8 ———•• 0 —————

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission) 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered non-directional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles. These are now shown as "MHW" facilities.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency, and generally, VHF of 116.1 and/or 111.1 mcs. 116.1 mcs. is used for transmission to Army aircraft, 111.1 mcs. to civil aircraft.

The classification designation "B" denotes that the station broadcasts meteorological and notice to airmen information on a scheduled basis at 15 & 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW RADIO FACILITIES, BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

N.B. For Digest of A.T.C. and Communications Procedures, see *FLIGHT INFORMATION MANUAL*

AIRPORT DATA
LEGEND

(When city and airport names are identical, the airport name is omitted in the interest of space-conservation)

(A)	Airport name	(A)	- Owned or leased totally by Army	
(N)	"	(N)	- "	Navy
(CG)	"	(CG)	- "	Coast Guard
(NG)	"	(NG)	- "	National Guard
(A)	"	-	Open to civilians but owned or leased wholly or in part by Army, Air Reserve, Army svcg. detach. or contract gas usually available.	
(N)	"	-	Open to civilians but owned or leased wholly or in part by Navy.	
(CG)	"	-	" Coast Guard.	
(NG)	"	-	" WD or State Govt. for Air Nat'l Guard. Ltd svcg. and main. for transient military acft.	
(P)	"	-	Civil airport opened to military acft. (See Note 3)	
☆	"	-	CAA Intermediate Field	

CLASS

SIZE

40: Length of longest landing strip (unpaved) in hundreds of feet
40h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 6 miles in length are classified as unlimited and indicated as "unl").

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-angling winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW/SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station
R2: Range (or homing device) and tower
R3: Range (or homing device), tower, and instrument landing system

LIGHTS

lc: Incomplete lighting, either flood or portable runway lights
L1: Beacon only
L2: Beacon and boundary
L3: Beacon, boundary, and obstruction
L4: Beacon, boundary, obstruction, and flood
L5: Beacon, boundary, obstruction, flood, and runway contact
(L5): Identical to L5 except that runway contact lights are high intensity
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach
(L6): Identical to L6 except that instrument approach lights are high intensity

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

SERVICING

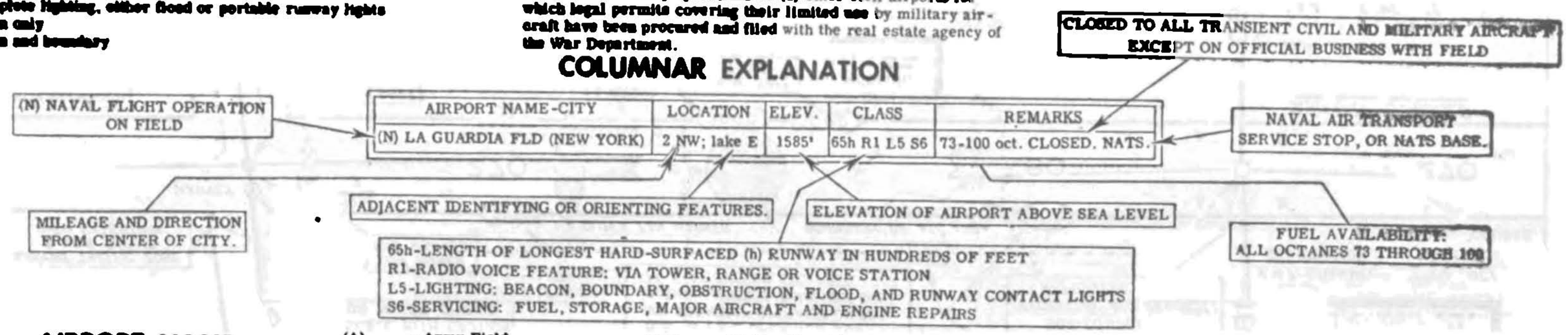
S1: Fuel
S2: Fuel, storage
S3: Fuel, storage, minor aircraft repairs
S4: Fuel, storage, minor aircraft, and minor engine repairs
S5: Fuel, storage, major aircraft, and minor engine repairs
S6: Fuel, storage, major aircraft, and major engine repairs

N.B. Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently, servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class, comparable to, for example, "1S S1". "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there. Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class column should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify
2. → New or revised data. ✱
3. "(P)" in CITY-AIRPORT NAME column indicates: (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the U.S. Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. "Effingham Int., 10, LS-ID" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int."
5. In Location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct.", indicates fuel octanes available. "Army", or "Navy" following octane indicates Army or Navy contract fuel available.
   (b) "CLOSED" indicates closed to all civil aircraft and all transient military aircraft except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "TEMP INACTIVE. NO FACS." indicates AAF airfields used either exclusively by the AAF or municipal airfields used jointly by the AAF and civil interests at which both the Army and the civil interests are inactive. Such airfields will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned (See Special Notice).
   (e) "ARMY TEMP INACTIVE. CIVIL FACS." indicates municipal airfields used jointly by the AAF and civil interests at which the Army facilities are inactive but civil facilities are available. Such fields may be used by military aircraft, however, only commercial service is available.
   (f) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency. Only those private fields that are clearly identifiable from the air as airports are listed. Thus many personal use fields are not covered in the Guide because they are not marked or are too small.
   (g) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines within at least a 15-1 glide angle are indicated.
   (h) "Fld lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (i) "FEE" indicates landing fee for private aircraft.
7. Airline stop airport names are capitalized or bracketed.

COLUMNAR EXPLANATION



AIRPORT NAME ABBREVIATIONS

(A)	- Army Field	LTA	- Lighter than Air	NAAS	- Naval Aux. Air Station	NPG	- Naval Proving Grounds
AAB	- Army Air Base	MCAS	- Marine Corps Air Station	NAF	- Naval Air Facility	OLF	- Outlying Field (Navy)
AAF	- Army Air Field	MCAAF	- Marine Corps Aux. Air Facility	NAS	- Naval Air Station		
CGAS	- Coast Guard Air Station	N	- Navy Field	(NG)	- National Guard		

✱ AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW AIRPORTS BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

FLIGHT PLANNING CHARTS

LEGEND

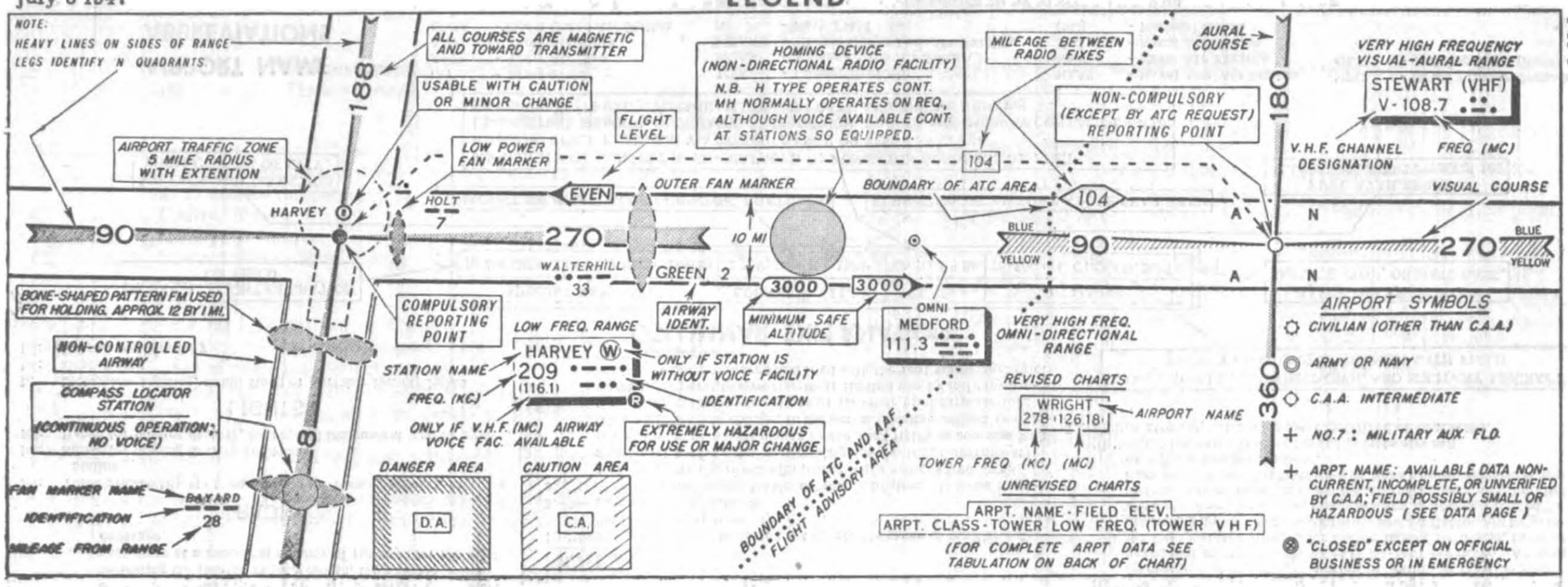


CHART CONTENTS

The Flight Planning Charts, in addition to the warning (R) and caution (O) symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages; (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE AND USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled (R) or (O) items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new fields, abandoned fields, range freqnency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

VHF CHANNEL LETTER DESIGNATORS

Channel letter designators are being shown on the Flight Planning Charts herein only as an aid to pilots in their use of unmodified military equipment. It is emphasized that not all very-high frequencies now in use have channel letter designators. Standardization of air-borne equipment in this respect has not been effected, nor is it expected to be along the lines of one-letter designators because of the large number of frequencies which eventually will be in use.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol (R) for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol (O) for orange, or caution.

RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

WARNING

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

Loop ranges (such as ML, RL, MRL without simultaneous feature) are not suitable for DF and ADF operations DF or ADF use should be restricted to simultaneous type of range stations, H stations, and commercial broadcast stations.

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASTORIA(Clatsop)	323(AST)	MRLZ; 99°,6.9	3105,6210 (7-17),Oper by Port of Astoria.
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°, 7.5	Tillamook NAS
➤ EUGENE (Mahlon Sweet)	251 (EU)(116.1)	SBRAZ-DTV,150°,4.5	(4); 116.1 (ILS)
➤ PORTLAND	332(PD)(vhf)	SBRAZ-DTV,168°,3.1	(3);116.1,122.1
REDMOND (Roberts)	368 (RG)(116.1)	SBRAZ-DTV:101°,4.3	(4);116.1
THE DALLES	230 (ND)(116.1)	SBRAZ-DTV,251°,2.8	(4); 116.1
TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105, 4495
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3);142.74@-sunset,later on req
WILLAMETTE FM	(- -)	FM, 176°, 20.6	Portland
WASHINGTON			
BELLINGHAM	209(JJ)(116.1)	SBRAZ-DTV,114°,2.9	(4); 116.1.
CAMANO ISLAND FM (Navy)	(- -)	FM, 123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 62	Seattle
EASTON FM	(- - - -)	FM, 270°, 37	Ellensburg
ELLENSBURG (Bowers)	385(EB)(vhf)	SBMRAZ-DTV,270°,2	(4);116.1,122.1
EVERETT (Paine)	224(MI)(vhf)	BMRLZ-DTV,330°,3.1	(4);116.1,122.1
HOBART FM	(- -)	FM, 88°, 15	Seattle
LA CENTER FM	(- - - -)	FM:331°,12	Portland, Oreg.
LAKEVIEW FM	(- - -)	FM, 175°, 25.5	Seattle
McCHORD (Tacoma)(Army)	272 (DTA)	BMRL; 26°, 1.7	
MOUNT VERNON OLF	3295 (126.18) (142.74)	CN	3105,4495;126.18,142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
SEATTLE (King County)	260 (SA)(116.1)	SBRAZ-DTXV;296°,2.8	(3);116.1,122.1
STEVENSON FM	(. . -)	FM, 63°, 32	Portland, Ore.
➤ TOLEDO (Toledo-Winlock Int.)	239(GL)(vhf)	BMRLZ-DTV,235°,2.8	(4);116.1,122.1
WASHOUGAL FM	(-)	FM, 63°, 17.5	Portland, Ore.
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74, 126.18)	CN(GCA);303°,3.3	(3);142.74,126.18. Tr. and gds 116.1, 140.58 on req.
WHIDBEY ISLAND NAS (Navy)	522 (K)	MH	(4) cont.
Whidbey Island NAS (Seaplane)	2870 (142.74)	CN	(3) ;3155;142.74 (24 hrs advance notice)
WOODLAND FM	(. - - - -)	FM, 331°, 23	Portland, Ore.
YAKIMA	320(YA)(vhf)	BMRLZ-DTV	(3); 116.1, 122.1
Yakima Co. Airport	278 (118.5)	AC:267°,4.7	(4); 118.5,122.5,142.74

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MAHLON SWEET (L6)	109.9	333.8	159°	IM-	MM- ·-- (0.63)	OM- -- (4.5)	
					MMK-	OMK-	

S-Simgl. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. ‡—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW;RR E	267	33 S4	80 oct.
Albany	2.5 NE;RR NW	235	26 S6	80 oct.P-line SW.Trees S,SW.
* Arlington Int, 12B, PD-SM	1.4 ENE;riv NW	872	50 L3	
Bend (new)	5.5 ENE;hwy S	3429	40 S6	80,91 oct. Pwrline SE.Use strips.
(P) Clatsop Co. (Astoria)	3.5 W;riv E	10	57h R1	
Coastway School of Aeronautics (Tillamook)	1.4 E	55	29 S6	80 oct. Ctn when wet.
(P)Corvallis	4.9SSW;hwy E	235	52h S6	80,91 oct.
Corvallis Junction	1.3 NNE;RR W	240	20 S6	80 oct.
Dallas	1.2 N;RR S	372	23 S2	80 oct. ENE,WSW blkd.
Eugene Airpark	1.6 SW;rd W	420	28 S6	80,91 oct. Trees NNW.
Harrisburg	2 NNE;RR E,W	300	25 S1	80 oct.
Hood River	2.5 S;riv E	605	19 S1	80 oct Soft when wet.Brush E.
Langmack (Sweet Home)	2 E;RR N	550	32 S2	80 oct.E blkd.Trees W.
Lebanon	1.3SW; RR E	340	36 S6	80 oct.
(P),Madras	2 NNW;RR SE	2420	74h	
NEW FACILITIES				
➤ Bend (Ore) N.C.	7.8 N	3350	44	Use in emerg.
➤ Sisters (Ore)	1 NE;hwy S	3198	37	Trees NE,E.Wblkd.PRIVATE

h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) NC-(Not Charted) ➤ New or revised data.

OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
MAHLON SWEET (Eugene)	8 NW;RR NE	365	52h R3 L6	No tower.
McMinnville	3.1 ESE;hwy N	156	50h S6	80 oct.Trees SW.
(P) McNARY (Salem)	2.2SSE;RR SW	207	55h L5 S6	80,91 oct. No sto.
(P)Newport	4 S;ocean W	160	51h L5 S4	80 oct.No sto. Lgts on req.
Prineville	2.9SW;hwy SE	3237	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW;RR E	195	23 S1	80 oct. Cattle on fld.
(P) Roberts (Redmond)	1.5 SE;hwy N	3075	70h L S6	80,91 oct.Temp rnwy lgts on req.
Santiam Junction Flight Strip (Idanha) (NC)	21.5SSE;hwys N	4000	30	Trees W, E.
Sky Haven (Brooks)	See Sky Acres under "New Airports" - name changed.			
(P) The Dalles	1.7 NE	239	51h R1 L5 S6	80,91 oct.
(N) Tillamook NAS (N)	3 SE;riv N	35	50h R2 L5 S4	91 oct. Used by LTA,HTA.
Vernonia (NC)	2.4WSW;riv S	620	29	Obst sur fld.
Wasco	0.4 E;RR SW	1420	18 S1	Ltd 80 oct.
Willamette Arpk. (Eugene)	4.8 W;hwy S	420	25 S6	80,91 oct.
WASHINGTON				
(N) Arlington Aero. School	3 SW;hwy W	129	53h L5 S6	80,91 oct. Rnwy lgts prior req.
Barker & Dean (Mt. Vernon)	2.2 S;RR,riv W	4	20 S4	73,80 oct.Trees NW.
(P) BELLINGHAM	4.5 NW;hwy E	158	50h R1 L5 S6	80,91 oct. ARPT OF ENTRY
Blaine	0.5 E;RR W	15	15 S1	80 oct. P-line SSE.Ctn when wet.
(P) Bowers (Ellensburg)	2.5 NE;hwy S	1767	59h R1 L5 S6	80,91 oct. Ctc lgts prior req.
Cameron (Kittitas)	0.5 N;RR S	1650	26	
(P) Chehalis Co.-City	0.6 NW;RR E	174	50h S6	80 oct. No sto.
Clallam Co. (Port Angeles)	3.2 WNW	290	52h S6	80 oct.
Cle Elum	2.4 E;hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW;hwy ESE	110	33 S6	80,91 oct.P-line WNW.Trees ESE.
(N) Coupeville OLF (N)	2 SE	193	54h	CLOSED. ARPT OF ENTRY.
* Easton Int,5B,SA-HL	1.7 NNW;RR SW	2221	30 L2	Trees, mtns WNW.
Everett	3.5 NNE;riv N	15	21 S2	80 oct. P-line W.Ctn winter.
(P) Fancher (Wenatchee)	2.5 NE;hwy S	1440	33h L5 S6	80,91 oct.Fld lgts prior req.P-line SE.
Forks (NC)	1 SW;rd S	286	23 S1	80 oct.Trees ENE,WSW.HAZARDOUS
Goldendale (NC)	0.6 SE;RR W	1600	20	Pole line E,SE.Ditch center.HAZ-
Ilwaco	1.5 ENE;Bay S	8	20 S2	80 oct. ARDOUS.
Intercity,USFS (Winthrop)	4 SSE;riv SW	1650	32 S1	80,91 oct. Mtns SE.
Kelso,61A,SF-SA	1.4 S;RR SW	25	29 L3 S6	80 oct.
Kenmore (Bothell) (NC)	2.3 NW;rd E	420	17	12-14' brush NNE,SSW.
(P) Moon Island (Aberdeen)	6 W;harb N,S	14	50h L5 S6	80, 91 oct.
(N) Mount Vernon OLF (N)	5 NW;RR S	146	53h R1	Pole line N. CLOSED.
Olympia	4.5 S;hwy E	190	50h S4	80 oct. Trees W.
Orcas Island (East Sound)	0.7 N;hwy E	25	24 S2	80,91 oct.
(P) Paine (Everett)	6.5 SW;hwy NE	602	65h R1 L5 S6	80 oct. Fld lgts prior req.
PANGBORN (Wenatchee)	5.3 ESE;hwy S	1246	46h L5	Contact lgts prior req.Mtns N,E.
Pasayten,USFS (Winthrop) (NC)	38 NW;riv E	4250	28	Use in emerg.only.Clsd to public.
(CG) Port Angeles CGAS (CG)	2 NNE	13	45h R1 L5 S1	91,100 oct. Lgts prior req.
Quillayute	0.7 NNW;	195	50h	8 mi. W of Forks.
(N) Shelton NAAS (N)	See Mason County Arpt under "New Arpts" - name changed.			
Skagit Valley Air Svc.(Burlington)	0.7 S;RR E	35	20 S1	80 oct. Pwrline S.Use strips only.
Snohomish	0.9SW;RR N	16	30h S6	80,91 oct.Rnwy data unver.Poles ESE.
Snoqualmie Pass (North Bend)	3.5 ESE;hwy S	680	19	Trees WNW, ESE. (NC)
* Toledo-Winlock Int,63B,SF-SA	3 NE;hwy W	371	51h R1 L3 S2	80, 91 oct.
Toppenish	3.2SSW;hwy E	835	32 S3	80 oct.
Twisp	1.9SE;riv S	1620	19 S1	80 oct.Hills NNW.
Westport (NC)	0.5 N;harbor E	5	18 S1	80 oct. P-lines NW.Ctn.
(N) Whidbey Island NAS (N)	3 NW Oak Harbor	17	70h R2 (L6) S2	91, 100 oct.
YAKIMA COUNTY	2.8 SSW	1058	50h R2 L5 S6	80,91,100 oct. Pole line S.
NEW AIRPORTS				
Sky Acres (Brooks,Ore.)	1.6 NE;RR W	180	20 S1	Ltd 80 oct.
Seaside (Oregon)	1.5 NE;RR W	6	17 S4	80 oct.No sto. (Marysville,Wash.)
Marysville Bay Meadows Arpk	2 N;rd W	60	13	Very dangerous appchs.
Vision (Longview,Wash.)	6.2 NNE;rivN,E	20	31 S1	80,91 oct NW blkd Use with ctn
Springfield (Ore)	1.6 ENE;hwy 0.5 S	460	20 S1	80 oct.Ctn-wet weather.P-line E.
Ocean Park Sky Port	0.5 S;hwy W	10	21	P-line S. (Klipsan Beach,Wash)
Elma(Wash.)	0.8 S;rd W,riv S	60	26	P-line W.
Summit(Montesano,Wash.)	2.9 W;hwy S	190	22 S1	80 oct.
Mossyrock(Wash.)	1 W;hwy SW	613	19 S1	80,91 oct.
(N) Mason Co.(Wash.)	2.5 NW;hwy ENE	278	52h L S6	Twr NW.No Navy facs.Lgts prior req.
S & S Airstrip (Graham,Wash.)	3.9 N;hwy E	520	13	Tall grass SSW
Whidbey Is (San de Fuca,Wash.)	1.0 N;bay S	185	16 S1	80,91 oct.Trees N

2 SEATTLE

O. USABLE WITH CAUTION
R EXTREMELY HAZARDOUS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA

BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS. WHIDBEY-AULT 278 (142.74, 126.18)
NAS. WHIDBEY IS. 522
NAS. WHIDBEY IS 2870 (142.74)
NAS. WHIDBEY IS 353
CGAS. PORT ANGELES 3295 (142.74)
EVERETT 224 (111.1, 116.1)
SEATTLE 260 (116.1)
McCHORD AAF 272
ELLENSBURG 385 (111.1, 116.1)
ASTORIA 323
TOLEDO 239 (111.1, 116.1)
YAKIMA 320 (116.1)
PORTLAND 332 (111.1, 116.1)
NAS. TILLAMOOK 520
NAS. TILLAMOOK 278 (142.74)
EUGENE 251 (116.1)
REDMOND 368 (116.1)
THE DALLES 230 (116.1)

BLAINE, BELLINGHAM, ORCAS IS, WASH. 4 D.A., MOUNT VERNON OLF, SKAGIT VALLEY, BARKER & DEAN, INTERCITY, TWISP, ARLINGTON AERO, MARYSVILLE, EVERETT, SNOHOMISH, PAINE, CAMANO IS, COUPEVILLE OLF, WHIDBEY IS., DUNGENESS 62, CLALLAM CO., QUILLAYUTE, COUNTY-CITY, BLUE 32, HOBART 15, PANGBORN, FANCHER, EASTON, EASTON 37, CLE ELUM, GREEN 2, MASON CO, LAKEVIEW 26, BOWERS, CAMERON, TO EPHRATA, MOON IS., OLYMPIA, WESTPORT, CHEHALIS CO-CITY, TOLEDO-WINLOCK, WASH 5 D.A., YAKIMA CO 278 (118.5), FOR DETAILS IN THE PORTLAND AND SEATTLE APEAS SEE CHART 143, OCEAN PARK, ILWACO, VISION, CLATSOP CO, WASH., ORE., KELSO, SEASIDE, WOODLAND 23, PORTLAND VHF RANGE, LA CENTER 12, WASHOUGAL 18, STEVENSON 32, HOOD RIVER, ARLINGTON, TOPPENISH, SPOKANE 3, ORE. 2 D.A., WASH. 1 D.A., BAY OCEAN, COASTWAY AERO, WILLAMETTE 21, THE DALLES, WASCO, TO PENDLETON, McMINNVILLE, SKY ACRES, McNARY, ADAMS, DALLAS, RAY ADAMS, ALBANY, CORVALLIS JCT, CORVALLIS, LEBANON, LANGMACK, HARRISBURG, MAHLON SWEET, SPRINGFIELD, WILLAMETTE, EUGENE, MEDFORD, NEWPORT, MADRAS, ROBERTS, PRINEVILLE, BEND (NEW), CHEMULT, MEDFORD 19

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

SPOKANE 3

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS U USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.

DOROTHY SCOTT
TONASKET
OKANOGAN, NO 1
OKANOGAN LEGION
MAPLOTTI
COLVILLE
NEWPORT
WASH.
IDAHO
IDAHO
MONT
EUREKA
LIBBY
STATUTE MILES
SANDPOINT
HAFER'S
DEER PARK
SPOKANE 365 (111 | 116 |)
COEUR D'ALENE 347 (116 |)
RIVERVIEW
ANDERSON
CALKINS AIR TERMINAL
EPHRATA 269 (111 | 116 |)
CHELAN
DAVENPORT
SPOKANE AAF 245 (126.1R)
FELTS 278 (116.9)
COEUR D ALENE AIR TERMINAL
THOMPSON FALLS
WILBUR
COULEE CITY
HARRINGTON 45
EPHRATA
ARMSTRONG'S
SAVAGE
GEIGER AAF
SPRAGUE
HARRINGTON
LE MEN
MANITO
ROSALIA
WEEKS
KELLOGG
ST MARIES
TO ELLENSBURG
MOSES LAKE AAF
RITZVILLE
TEKOA FLY CLUB
MULLAN PASS 206 (116 |)
LIND
LA CROSSE
WASH 9 D.A.
WASHTUCNA
PULLMAN-MOSCOW REGIONAL
CONNELL
WASH 8 D.A.
ASOTIN CO.
ORofino
GREAT FALLS SEATTLE
TOUCHET VALLEY
WALLA WALLA 212 (116 |)
LEWISTON
SUNNYSIDE
PASCO
RICHLAND
PROSSER
VISTA
MARTIN
TWIN CITY
WALLA WALLA AAF
CRAIGMONT
KAMIAH
PENDLETON 278 (118.7)
PENDLETON
HERMISTON
BOARDMAN
WASH.
ORE.
SKY RANCH
OREGON SKY RANCH
IDAHO CO.
TO THE DALLES
CABBAGE HILL
PENDLETON AWYS SER
ENTERPRISE
JOSEPH
LEXINGTON
PENDLETON 341 (111 1, 116 1)
LA GRANDE
329 (116 1)
LA GRANDE
LA GRANDE
ORE. IDAHO
NEW MEADOWS
McCALL
BAKER 221 (111 1, 116.1)
JOHN DAY
BAKER
CASCADE
SEATTLE SALT LAKE CITY
SEATTLE 2
WEISER
On request
ONTARIO 305 (116 |)
PAYETTE
PAYETTE
ONTARIO
BOISE 350
ELKO 22
OVER

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
[redacted]		**IDAHO**	
COEUR D'ALENE (Air Term.)	347(IKO)(116.1)	BMRLZ-DTV;321°,5.2	(4);116.1
PAYETTE FM	(. . - - - -)	FM; 301°, 49	Boise.
		MONTANA	
MULLAN PASS	206(MN)(116.1)	BMRLZ-DTV	(4);116.1
		OREGON	
BAKER	221(BK)(vhf)	SBRAZ-DTV;116°,1.8	(4);116.1.122.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329(IUX)(116.1)	MHTV	(4);116.1,122.1
LA GRANDE FM	(- - - -)	FM; 300°,38	Baker
ONTARIO	305(OO)(116.1)	MHV	(4);116.1.122.1
PENDLETON	341(PO)(vhf)	SBRAZ-DTV	(3);116.1 122.1
Pendleton Arpt.	278 (118.7)	C; 247°, 2.3	(4);122.5,118.7
		WASHINGTON	
← EPHRATA	269(EP)(vhf)	BMRLZ-DTV;336°,4.0	(4);116.1.122.1
FELTS (Spokane)	278 (118.5)	AC;331°,1.2	(4);118.5,126.18,122.5
HARRINGTON FM	(- - - -)	FM; 236°, 45.3	Spokane
SPOKANE (Felts)	365(SM)(vhf)	SBRAZ-DTV.	(3);116.1,122.1
SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
← WALLA WALLA	212 (WL)(116.1)	SBMRLZ-DTV;182°,3.6	(4) :116.1
← Walla Walla AAF			DECOMMISSIONED

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
IDAHO				
Cascade	1 E;riv SW	4765	29 S2	80 oct. Pole line NW.
Cayuse Creek, USFS (NC)	40 ENE Pierce	3770	20	
Chamberlain, USFS (Dixie)(NC)	17.6 SE	5765	32 S1	75 oct, Maint. May to Nov.
(P) Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50' poles S.
Dixie, USFS (NC)	4 SW; creek E	5200	28	Obst N,E,S.
(P) Idaho Co. (Grangeville)	0.9 N;dam S	3295	44 S4	80 oct.20' pole line W.
Kamiah	0.6 SE;riv E	1194	32 S1	80 oct.Trees SSE.
★ Kellogg Int,29B,SA-HL	0.8 NW;riv N	2300	38 L3 S4	80 oct.
Landmark, USFS (Knox) (NC)	1.7 SSE	6680	23	ESE blkd,hills SSW.
(P) Lewiston	2 S;riv NW	1426	50h L1	Port rnwy lgts.
McCall	1 S,RR W	5021	23 S6	80 oct. P-line NE.
Orofino	1.3 NW;riv NE	1000	24 S6	80 oct,Ctn,Mtns ESE.
Payette	2 NE;RR W	2200	35 S6	Road crosses fld SE. No sto.
Priest River (NC)	0.9 NNW,RR S	2165	25	Trees E; hill W.
St. Maries	1.2 NW;riv S	2132	23 S2	76 oct.
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct.No sto.Pole line W.
Tekoa Flying Club (Tensed)	5 NNW,crk N	2650	16 S2	80 oct.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
Weiser	2.8 S,riv W	2120	34 S6	80 oct.
MONTANA				
← Eureka	2.7 NNW,RR N	2680	27 S1	80 oct.
← Libby, USFS	1 NE;riv S,E,W	2090	30 S1	80 oct.
Thompson Falls	3.2 ESE,RR N	2460	25	Mtns E,S.
OREGON				
(P) Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80,91 oct. No sto.
Boardman Flight Strip	5.6 WSW,RR N	378	42h	
OREGON				
Enterprise	1.4 WNW;RR SW	3750	34	Hwy SW.
Hermiston	1.7 SE;hwy W	635	25 S2	80 oct. P-line ENE.
(P) Joseph	1.2 W;RR E	4150	33 S2	80 oct.
(P) La Grande	5.5 ESE,RR SW	2713	47h R1 L2 S6	80 oct.
Lexington	0.7 N;hwy E	1650	30 S1	80 oct. RR SW
(P) Ontario	2.5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oregon Sky Ranch (Milton)	3.7 SSW,RR E	1300	20 S6	73,80 oct.
(P) PENDLETON	2.9 WNW;RR S	1492	63h R2 L5 S6	80 oct for U.A.L.
Pendleton Airways Inc.(Pendleton)	3.8 ESE,RR N	1200	37 S6	80,91 oct. Pole line E.
← Pilot Rock	0.8 E,hwy N			ABANDONED.
WASHINGTON				
Anderson (Pateros)	1.6 SSW;hwy E	1100	16 S1	80 oct.Mtn W.
← Asotin County(Clarkston)	0.5 N;riv N	760	33 L4 S6	80,91 oct. Lgts prior req. Mtns W.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct. Trees 200' W.
(P) Chelan	4.7 NE;riv SE	1250	26	Hills N,S,SW.Caution.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
(P) Connell	1.2 SSW,RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW,hwy S	2425	28 S1	80 oct. Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
(P) Dorothy Scott (Oroville)	3 NNE;lake W	1290	29 S2	80 oct, 2000' mtn S.
← Ephrata	2 SE,hwy NW	1273	73h R1 S6	80 oct. ARMY TMP INACT.CIVIL FACS
Fairweather (Republic) (NC)	0.8 S;riv E	2500	20	Trees N,S.
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91 oct. ARPT OF ENTRY.
(A) Geiger (Spokane) (A)	6.5 SW;hwy N	2372	82h	TMP INACT. NO FACS
← Hafer's Ranch (Chewelah)	3.6 SSW;RR E			ABANDONED.
* Harrington Int,19,SA-HL	1 NNW;hwy E	2305	32 L3	
"JZ" (Almira)	1 NNW;RR SW	1950	21	
La Crosse,28B, PD-SM	2.5 SW;RR NW	1459	37 L3 S1	80 oct. RR E.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct. No sto. Pole line NNE.
(P) Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Place)	1.5 WSW,RR N	750	24 S6	80,91 oct. No sto.Trees ENE.
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	TMP INACT NO FACS
Newport	1 W;riv NE	2150	29 S2	No fuel. Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	25 S6	80 oct.
Okanogan Flight Strip (Omak)	4 N;hwy E	1298	47h S1	80 oct.
Pasco	2.8 NNW,RR E	402	47h	CLOSED.
(P) Prosser	1.4 NW;riv S	685	40 S6	80,91 oct. Trees W. Poles NE.
(P) Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct.
Richland	1.3 SSE,riv NE	365	23 S1	80 oct. Riv SE.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct. Pwrline,bldgs NE.
Rosalia	2.6 W	2180	26 S1	80 oct. Hill NE.
Savage (Cheney)	0.7 WSW;RR SE	2400	24 S1	80 oct.
Sky Ranch (College Place)	1 E;mtn S	800	30 S6	80,91 oct.WSW blkd.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct. JP-1.No sto.
Sprague	0.7 NE;RR S	2000	21	
Sullivan Lake (Metaline Falls)	4 ESE;lake S	2590	21	Road crosses fld-caution.(NC)
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	41 S1	80 oct. Pwr line SSW. P-line SSE.
Touchet Valley (Huntsville)	0.5 NE;RR S	1400	19 S4	80 oct, Trees,poleline WSW.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
Vista (Kennewick)	4.5 W;rivs NW	516	35h L S6	80,91 oct. Emerg lgts on prior req.
Wallace (Mead)(NC)	2 W;RR E	1935	26	40' trees NE.
(A) WALLA WALLA AAF (A)	3 NE;hwy S	1205	72h R1	CLOSED.
Washtucna	1 S;RR SE,NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct. Pole line NE.
NEW AIRPORTS				
Craigmont,(Idaho)	Adj NW;RR SW	3688	20 S2	80 oct.P-line E.
Manito Arpk (Spokane,Wash)	5 SSE	2450	21	P-line NE;trees SW Data unver.
New Meadows (Idaho)	0.5 N;hwy jct SE		26	Unusable in wet weather.
Armstrong's Ranch(Harrington, Wash.)	3 ESE	2220	25 S2	Data unver.
← Maflott (Wash.)	1 N;riv S	1100	27 S1	80 oct.Soft when wet.
← Riverview (Brewster-Pateros, Wash)	2.6 WSW;hwy SE	1070	21 S1	80 oct.Pwr line SE,hill WSW.
← John Day (Ore)	0.6 W;riv N	3075	19 S2	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ← NEW OR REVISED DATA

GREAT FALLS

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388(DZ)(vhf)	SBRAZ-DTV;332°,1.7	(4);116.1,122.1

MONTANA

ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL)(116.1)	SBMRAZ-DTV,319°,0.8	(4);116.1
BUTTE	233 (BT)(116.1)	BMRLZ-DTV;99°,16.1	(4)·116.1
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV) (116.1)	SBRAZ-DTV;327°,3.1	(4); 116.1
DILLON (Int.)	379(DE)(116.1)	BMRLZ-DTV;167°,2.0	(4);116.1
DRUMMOND (Int.)	296 (DR)(116.1)	SBMRAZ-DTV, 185°,1.3	(4);116.1
GREAT FALLS	317(GT)(116.1)	SBRAZ-DTV	(3);116.1
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.5	(4);126.18,122.5,118.7
GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371(HL)(vhf)	SBMRAZ-DTV252°,1.9	(4);116.1,122.1
Helena Airport	278(118.9)	C	(4);118.9,122.5
HOMESTAKE FM	(- -)	FM, 99°, 21	Butte
LIVINGSTON (Int.)	224(LT)(116.1)	SBMRAZ-DTV;247°,2	(4);116.1
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308(MX)(vhf)	SMRAZ-DTV; 120°, 1.5	(4);116,1,122,1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254(SP)(116.1)	BMRLZ-DTV;275°,0.1	(4):116.1
WHITEHALL (Int.)	284(WW)(116.1)	SBRAZ-DTV;183°,2.3	(4);116.1
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -,	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul Range and Voice, W Without Voice; Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs (NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
(P) Challis	1.2 NNE;hwy E	5000	34 S1	80 oct.
Dubois, 23,S1-GT	0.8 SSE	5123	48 R1 L3	30' pole W.
Flying R (Lake)	2.8 SE;hwys SE,S	6630	34	Mtns ENE.
Moose Creek,USFS (Red Riv,Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld. (NC) Closed to Public
Salmon	4 S;riv W	4045	40 S1	80 oct,Mtns NE.

MONTANA

Basin Creek (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4900	21	Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4650	22	Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	26 SE Swan Lake.	4200	22	Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25 S1	(NC) 80 oct.Rough
(P) BUTTE	4 S;RR W,N	5553	56h R1 L5 S6	80,91 oct.
Chester	1.5 WNW; RR S	3150	44	
(P) Choteau	1.2 NNE;hwy S,E	3810	39 S6	80 oct.
Condon (Flathead Nat'l Forest)(NC)	19 E of Ronan	3690	27	
Conrad	1.1 W; creek S	3530	32 S2	80 oct.
(P) CUT BANK	3 SW;riv 1 E	3900	87h R1 L5 S6	80 oct. ARPT OF ENTRY.
(P) Deer Lodge	1.5 W;RR E	4700	38 L1 S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6114	70h L3	
★ Dillon Int,32, SL-GT	4,6 ENE;riv 2 W	5238	38 R1L3S1	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int,44B. SA-HL	4 SW;hwy E	4300	36 R1 L3	
→ Ennis (NC)	1 NW;riv E	4985	23	P-lines S
(P) Flathead Co.(Kalispell)	7.4 NNE;RR E	2960'	47h L2 S4	80 oct.All lgts prior req.
Fort Benton	1.3 NE;RR S	2870	27 S2	80 oct.Poles N&. Soft when wet.
(P) Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80,91 oct.
→ Gates Park,USFS(NC)	35.8 W Choteau.	5400	26	Sur by mtns.Closed to public
→ Geraldine Mun.	0.5 S;RR N,E	3200	17 S1	80 oct.Rough.
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
(P) GREAT FALLS	3 WSW; RR E	3669	70h R2 L5 S6	80,91 oct. ARPT.OF ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3485	89h R1 L5 S6	73,91,100 oct JP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3186	38 L4 S6	80,91 oct. All lgts prior req.
Hamilton	1.3 ENE;hwy W	3640	35 S6	80 oct.Pole line S. Rnwy data unver.
(P) HELENA	2.5 ENE;hwy W	3882	55h R2 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	37 E Ronan	4575	20	Sur by mtns.Closed to public
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.W,NW blkd.
→ Livingston	6 ENE;RR N	4656	62 S2	80,91 oct.
→ 10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3 S4	80 oct.Poles S.
Meadow Creek (Flathead Nat'l Forest)	21 ESE Swan Lake	4000	22	(NC)
(P) MISSOULA COUNTY	5.3 WNW;RR N	3200	71h R1 L5 S2	80,91 oct.No flood lgts.
→ Plains	1.3 NNW; RR NE	2465'	32 S4	80 oct. Poles N,E.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	21 S1	80 oct.Ski-equipped acft only Nov. thru April.
Rainbow Skyport (Gregson)	1 N;RR E,S	5030	40 S1	80 oct.NE,SW,NW blkd.
Schafer (Flathead Nat'l Forest)(NC)	17 SSE Summit	4855	24	Sur by mtns.
Seeley Lake (NC)	4 WNW	4150	20	Trees NW.
Sheridan	0.6 SE	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat'l Forest)(NC)	14 ENE Swan Lake	3800	22	
Stevensville	2 ENE;riv 2 W	3620	30 S1	80 oct.
★ Superior Int,36B,SA-HL	1 S; RR S,riv NE	2700	35 R1 L2 S1	80 oct.Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L3 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	38 S1	80 oct.
(P) Valier	0.6 S;lake S	3820	35	Caution when wet.
(P) West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld. Scheduled air line summer mo. only.
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.

NEW AIRPORTS

Gardiner, Mont.	1 NNW;RR S	6200	22	

6 GREAT FALLS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

QUARTER CIRCLE M C RANCH
CUT BANK 263
LETHBRIDGE
147
76
228
CUT BANK
TOOLE CO.
CHESTER
AS
AMBER 2
309
CONRAD
VALIER
FLATHEAD CO.
KALISPELL
STATUTE MILES
TO MULLAN PASS
POLSON
MISSOULA 308 (116.1,111.1)
185
154
PLAINS
SUPERIOR
ALBERTON 15
MISSOULA CO.
107
120000
RED 48
95
275
10000
11000
96
40
276
90
9000
HALF
48
STEVENSVILLE
DRUMMOND
DRUMMOND 296 (116.1)
334
HAMILTON
99
5
CHOTEAU
GREAT FALLS MUN. 278(118.7,126.18)
GREAT FALLS 317 (116.1)
130
197
FORT BENTON
GERALDINE
TANNER
GREAT FALLS AAF 219(126.18)
CASCADE 20
10000
A 2
166
BELT 22
266
A 3
90
STANFORD 29
92
34
GREAT FALLS VHF RANGE
CRAIG
GEYSER
47
HELENA 371 (111.1,116.1)
HELENA 278 118.9
McDONALD PASS 18
GARRISON
10000
252
72
22
12000
34
WINSTEN 15
56
WHITE SULPHUR SPRINGS
SUPERIOR 254 (116.1)
SPOKANE 3
191
DEER LODGE
38
36
8.16
358
TOWNSEND
280
SIXTEEN
LIVINGSTON 224 (116.1)
BUTTE
HOMESTAKE 21
RAINBOW
279
95
WHITETAIL 16
50
54
73
139
GREEN 2
133
RED 48
GALLATIN
43
46°
BUTTE 233 (116.1)
33
172
8000
256
78
7000
RED 2
247
GREEN 2
67
11000
13000
96
WHITEHALL
WHITEHALL 284 (116.1)
DILLON 379 (116.1)
42
53
333
3
185
SHERIDAN
TWIN BRIDGES
10
29
LIVINGSTON
LIVINGSTON MUN.
BOZEMAN 329 (116.1)
319
313
GARDINER
MONT.
MONT. IDAHO
77
257
DILLON VHF RANGE
DILLON
SALMON
45°
WYO.
GREAT FALLS
SALT LAKE CITY
329
152
AMBER 2
61
DELL
61
FLYING "R"
WEST YELLOWSTONE
DUBOIS 388 (111.1, 116.1)
DUBOIS
IDAHO
WYO.
FOR V.H.F. RANGES SEE CHARTS 144 TO 147
73
253
332
OVFR
SALT LAKE CITY 23
IDAHO FALLS
TO BILLINGS
BILLINGS 7

BILLINGS 7

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
(R): EXTREMELY HAZARDOUS
(D): USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS

49° 110° 109° 108° 107° 106° 105° STATUTE MILES

GREAT FALLS 6

BISMARCK 10

TO GREAT FALLS 10

TO DICKINSON

CHINOOK (D)
HAVRE CITY CO.
HARLEM
MALTA AIRPK
ETCHART
VALLEY CO. (D)
SCOBEY
GUSTAFSON
ANDERSON
WOLF POINT
FORT PECK
VINE
CIRCLE
JORDAN
DENTON
LEWISTOWN
MOORE
FOREST GROVE
LEWISTOWN 353 (116)
HARLOWTON
ROUNDUP
BILLINGS 400 (116)
CUSTER (W) 215
MILES CITY
MILDRED
MILES CITY 320 (116)
FORSYTH
CUSTER
GREEN 2
RAPELJE
BILLINGS 278 (118.7)
BIG TIMBER
LIVINGSTON 224
COLUMBUS (D)
ZELKA
BIG HORN CO
BRIDGER
RED LODGE
ST. XAVIER
BONES BROS RANCH
MINNEAPOLIS GREAT FALLS
MONT.
WYO.
POWELL
COWLEY-LOVELL-BYRON
LOVELL
SHERIDAN CO
SHERIDAN 2
SHERIDAN 239 (116)
DENVER
CODY
BASIN
BUFFALO
GILLETTE MUN.
GILLETTE ARPK
GREAT FALLS SALT LAKE CITY
MEETEETSE
ROCK SPRINGS 26
CASPER 269
10 WRIGHT

197 90 17 146 270 145 142 326 325 238 60 240 50 229 67 247 297 118 208 28 298 159

RADIO — MONTANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400(BI)(116.1)	SBRAZ-DTXV	(3);116.1
Billings Airport	278 (118.7)	AC(ILS-W);247°,1.3	(4);118.7,126.18,122.5
BILLINGS LFM	(- - -)	LFM, 247°, 6	Billings
CUSTER (Int.)	215(CU)	MRLWZ;230°, 2	
LEWISTOWN	353(IT)(116.1)	SBRAZ-DTV,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-DTV,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 490, 25.4	Billings
PARK CITY FM	(. . - - -)	FM, 247°, 21	Billings

WYOMING

SHERIDAN LFM	(- -)	LFM,118°,2.3	Sheridan
SHERIDAN	239 (ZY)(116.1	SBRAZ-DTV;298°,1.6	(4);116.1,122.1
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BILLINGS	110.3	335	253°	IM-	MM- ·--- (0.6)	OM- --(4.3)
					MMK-	OMK- 251 -·-·
		•		IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; 2-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +- Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Big Horn Co.(Hardin)	2.3 ESE,riv W	3000	31 S1	(NC) 80 oct.
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW;riv 1.2 E	4450	43 L3	
(P) BILLINGS	2.5 NW,RR S	3612	57h R3 L6 S6	80,91,100 oct.
(P) Bones Bros.Ranch (Birney)	2 ESE,crk W	3500	29 S2	No fuel. ROUGH
(P) Chinook	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21 S1	80 oct.
(P) Columbus	1 ESE,RR N	3575	50 S1	80 oct.Poles W,E,NW.
★ Custer Int,25,HL-Twin Cities	2.3 E;hwy N	2868	44 L3	Poles NNW.
→ Denton	2.2 SSW;hwy S	3850	26 S2	80 oct.
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct.Trees SE.
Forsythe, 30 HL-Twin Cities	3 ENE;hwys S	2722	30 L3 S1	73 oct.Allway fld.
→ Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct. P-line N,S,WSW
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct.Poleline E.
Harlem	2.3 NNE;RR S	2560	24 S2	80,91 oct.ESE blocked.
(P) Harlowton	2 WNW,riv S	4400	29 S2	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Havre-City-County	4 WSW;RR 1 N	2589	48h S6	80 oct.ARPT OF ENTRY.
→ Ingomar (NC)	0.8 WSW,RR N	2950	24	
(P) Jordan	1.8 WNW,rd S	2637	40 S1	80 oct. Road W.
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	49 L3	lgts on req.
(P) LEWISTOWN	2.5 SW,RRNW	4177	90h R1 L5 S4	80,91 oct.No flood lgts.Rnwy
(P) Malta Airpark	0.8 SW,RR N	2270	31 S1	80 oct.Shrubs NW.
★ Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L3	
(P) MILES CITY	2.5 NW	2628	56h R1 L5 S6	73,91 oct. Hwy NE.
Poplar (NC)	0.8 N,RR S	1970	28	
(P) Rapelje	1 SE;lk NE	4030	38	
(P) Red Lodge	0.5 WNW	5600	29	ROUGH. Road N.
(P) Roundup	1.9 N;hwy W	3500	37 S2	80 oct.Rough.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W.
(P) Scobey	1 NW,RR S	2458	34 S1	80 oct.
(P) Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80,91 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
(P) Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)	2 W,hwy N	3002	18	

WYOMING

Basin	2.5 NE ;riv W	3775	32	Hills S.E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	73 oct.
Cody	2 ESE ;hwy S	5084	50 S6	80,91 oct. P-line S.
Cowley-Lovell-Byron (Cowley)	2 NNE,rd NW	4050	32	
(P) Gillette	5.2 NNW	4380	36 S4	80 oct.Hwy E.
(P) Grey Bull	2 NW,hwy S	3900	71 S4	73,91 oct.Hill NW
(P) Powell	8 NNW	5054	42	Storage.P-line N,NE.
(P) SHERIDAN COUNTY (Sheridan)	2 SSW,creek N	3961	61h R1 L5 S6	80,91 oct.

NEW AIRPORTS

Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S4	80 oct.Poles NW.
→ Moore, (Mont.)	0.5 E;RR NNW	4100	19 S2	80 oct. P-line W.
Lovell (Wyo)	1 SE;hwy W	3850	26 S1	80 oct.
Meeteetse (Wyo)	3.4 SW;riv N	5950	36	P-line SW
Bridger (Mont)	0.3 W;RR S	3675	30 S2	80 oct S blkd Poles N

RADIO

NORTH DAKOTA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-DTV,260°, 2.3	(4); 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-DTV,167° 2.1	(4); 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT(Port O' Minot)	209 (UI)	BMRLZ-DT,301°, 3.3	(4)

SOUTH DAKOTA

PHILIP (Int.)	206(IL)(116.1)	MHTV	(4);116.1,122.1
PIERRE	347(PX)(116.1)	SBRAZ-DTV;249°, 3.5	(4); 116.1
→RAPID CITY	221 (RZ)(116.1)	SBRAZ-DTV	(4);116.1,122.1
Rapid City AAB	396 (126.18)+	CA;345°,5.5	(4); 126.18
→SPEARFISH (Black Hills Airport)			DECOMMISSIONED

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Baker	0.8 SSE;lk N	2990'	35 S2	80 oct. Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct. Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
(P) Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.

NORTH DAKOTA

Beach	0.8 NNW	2814	30 S2	73 oct. Poles ENE.
(P) BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S4	73,80,91 oct. No sto.
Bowman	1.5 W,RR N	3000	24 S2	80 oct. P-line N.
Chandler(Williston)	3 W,RR SE	1877	31 S6	80 oct. Bldg N.FEE.
(P) Crosby	1 N,RR SW	1962	32 S2	80 oct.
(P) Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X I I) NC-(not charted). → New or revised data.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dunseith (NC)	1.5 S	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct. Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S2	80 oct. Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S1	80 oct. Polelines S.
New England	3NE;hwy W	2666	24 S6	80 oct. P-line W
Parshall	1.2 S;hwy E	1970	22 S1	80 oct. P-line W
(P) PORT O'MINOT (Minot)	1.6 NNE, hwy W	1723	58h R1 L S6	80,91 oct. Port rnwy lgts. Pwr line SW.
Rhame	1.5 SW,	3150	23 S1	80 oct. P-line S,SE,SW
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct. Poleline N,NW.
★ Washburn Int,4,RK-UI	5.1 N,hwy W	1906	40 L3	Pole line W.
(P) Watford City	1.2 ENE,hwy S	1975	31 S1	80 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct. Obsts N,E,S
Worth(Dickinson)	1.8 SW,riv NW	2455	28 S6	80 oct. Hangar NW.
Wright(Williston)	2 NNE	1876	32h S6	80,91 oct. Data unver.
Wyman (Mott)	0.6 S;riv ENE	2495	30 S2	80 oct. P-line W,SE.

SOUTH DAKOTA

(P) Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	53 S6	73, 91 oct.(Spearfish)
Geronime(Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct. Poles sur fld
Halley(Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
(P) Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct. Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct. Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct. No sto. Poleline N
PIERRE	3.5 NE,riv SE	1742	69h R1 S1	80,91 oct.
(A) Rapid City AAB(A)	8 NE,RR S	3234	83h R2 L5 S4	73,91,100 oct. JP-1.
Rushmore(Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.

NEW AIRPORTS

Hettinger (N.D.)	1 NNW;RR S	2675	32 S2	80 oct. N,NW blkd. P-line
Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E. ARPT OF [illegible] NE.
Bottineau, (N.D.)	1 N;RR W	1645	35 S1	80 oct. E,W,N,SE blkd.
Sherwood (N.D.)	2 N;hwy E	1650	26 S2	80 oct. Pole E. Use strips only.
Wright(Williston,N.D	3.2 N	1860	32 S6	80,91 oct. P-line S,W. Use
Harding Co.(Buffalo,S.D)	0.5 E;riv 0.5 S	2950	21	strips only.
→ McIntosh (S.D.)	1.3 E;lk SW			ABANDONED.
Universal(Bison,S.D)	0.8 N;bldg 0.5 SE	2600	24 S2	71 oct. Use strips only
Rebenberg (Selby,S.D.)	2 S;hwy W	1780	30 S2	80 oct. Use strips only.
Lemmon (S.D.)	3 SE;hwy 1 N	2518	26 S6	80 oct. Use strips only. P-line SW.
Selfridge (N.D.)	2 SW;RR 2 E			80 oct. in town.

10 BISMARCK

R EXTREMELY HAZARDOUS O USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

105° 104° 103° 102° 101° 100° 49°

CROSBY ○ PORTAL ○ SHERWOOD ○

○ PLENTYWOOD

○ BOTTINEAU

○ MOHALL

25 STATUTE MILES 0

121 211

TOWNER ○ RUGBY ○

PORT O'MINOT

MINOT 209

WRIGHT
CHANDLER ○ ○ WILLISTON

46°

PARSHALL ○
MILLER ○

80

SIDNEY ① WATFORD CITY ○

31 301

4000

FARGO 11

191 167

106

158

4000

+ ILO

WASHBURN ○

BISMARCK 230 (1161) ①

DICKINSON 308 (1161)

○ GLENDIVE

GLEN ULLIN

47°

BEACH ○ GOLVA

WORTH

JUDSON 27

DRISCOLL 30

MILES CITY 320

6000

69 GREEN 2

256 80

4000

250

5000

99

238

5000

153

100

NEW ENGLAND ○

DICKINSON

BISMARCK

4000

JAMESTOWN

219

HURON

BAKER ○

+ WYMAN

RHAME ○

○ BOWMAN

347

333

46°

+ HETTINGER

○ SELFRIDGE

46°

MONT.
ND
SD

LEMMON ○

BILLINGS 7

○ HARDING CO.

○ UNIVERSAL

○ MOBRIDGE
RIBENBERG ○

45° MINNEAPOLIS DENVER MONT. WYO. SD

165

DA

NEWELL ○

BLACK HILLS

RUSHMORE

RAPID CITY 221 (1161)

PIERRE 347 (1161)

144

6000

SERONIME

HALLEY

RAPID CITY AAB 396 (126.18)

RED 31

69

OH NIOBE

246

5000

PHILIP 206 (1161)

PIERRE

PHILIP

105° 44°

122

HIGHLIGHT

10000

66

CHART 27

NOTE: MORE LINES OF SIDES OF RANGE LESS IDENTIFY - BOUNDARIES.

FARGO 11

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(E): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS
49° (EXCEPT BY ATC REQUEST)
100° 99° N.D. 98° PEMBINA 97° MINN. 95°
+ ROLLA
LANGDON
77
170
257
PEMBINA 260
ROSEAU
STATUTE MILES
CANDO
344
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA
DEVILS LAKE
BELL
MADDOCK
GRAND FORKS
THIEF RIVER FALLS
48°
HARVEY
NEW ROC
MOHR
80
260
GRAND FORKS 278
CROOKSTON
ERSKINE-GUNTHER
MINNEAPOLIS 14
MATHLNY
165
350
160
JAMESTOWN
WALKINSHAW
TWIN VALLEY
JAMESTOWN 344 (116.1)
CONRAD BROS.
WEST FARGO
FARGO 365 (116.1)
47° DAWSON
VALLEY CITY
250
73
257
83
260
PARK RAPIDS
BISMARCK 230
GREEN 2
DETROIT LAKES
WHEATLAND 26
FARGO 388 (118.7)
BARNESVILLE 26
LEBON
ABERCROMBIE
HOMESTEAD
STATE SCHOOL OF SCIENCE
307
GREEN 1
186
ASHLEY
FERGUS FALLS
120
ASHLEY (W) 206
46°
ND/SD
MINN
ALEXANDRIA
ALEXANDRIA 239 (116.1)
300
BRITTON
WHEATON
SISSETON
GRACEVILLE
MORRIS
GLENWOOD
109
ABERDEEN
ABERDEEN 329 (116.1)
289
WEBSTER
ORTONVILLE
MILBANK
BENSON
APPLETON
WILLMAR
177
166
341
GETTYSBURG
DEITER
76
256
75
WILLMAR 254 (116.1)
MADISON
MONTEVIDEO
357
HURON 353 (111.1, 116.1)
W. W. HOWES
113
WATERTOWN
WATERTOWN 382 (116.1)
LAKE POINSETT
REDWOOD FALLS
MILLER
224
MARSHALL
PIERRE 347
263
RED 31
LAKE PRESTON
LAKE BENTON
346
OLDHAM
BROOKINGS
TRACT
WESTBROOK
CARTHAGE
293
SIOUX FALLS
SIOUX FALLS 245
RED 5
234
SMITTY SKY RANCH
MADISON
FLANDREAU
100° 44° 99° 98° 96° 95° 44°
CHART 28
OVER

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	239(AE)(116.1)	BMLZ-DTV,186°,2	(4); 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
→ WILLMAR	254(IW)(116.1)	SBMRAZ-DTV,357°,3.3	(4); 116.1
NORTH DAKOTA			
ASHLEY (Int.)	206 (AI)	MHW	(Cont.)
FARGO	365(FO)(116.1)	SBRAZ-DTV;263°,0.9	(3); 116.1
→ Fargo-Hector Arpt	388(118.7)	C	(4);118.7,122.5
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-DTV,253°,1 5	(4); 116,1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5 5	Fargo.
WHEATLAND FM	(. . - - -)	FM, 260°, 25.5	Fargo.
SOUTH DAKOTA			
ABERDEEN	329 (AN)(116.1)	SBRAZ-DTV,341°,2.5	(4);116.1,122.1
HURON (W.W.Howes)	353(HR)(vhf)	BMRLZ-DTV,44°,2.7	(4);116.1,122.1
WATERTOWN	382 (WU)(116.1)	BMRLZ-DTV.256°.2.8	(4);116.1,122.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S6	80,91 oct.No sto.Fld lgts.
Appleton	1.9 NNE,riv S	1010	34 S6	80 oct.No sto. on req.
Benson	2.4 NW	1031	22 S2	80 oct. P-line S,SE,SW
Crookston	3 NNW,RR N	875	30 S6	80 oct.No sto.Obst
Detroit Lakes	2.7 W,RR N	1392	35 S6	80 oct.No sto. surfld.
Fergus Falls	4.3 W;riv E	1160	20 S6	80 oct.Poleline W
Graceville	0.8 WNW,RR S	1110	18 S1	80 oct.P-line S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct. P-line N,S,W.
(P) Marshall	1.5 W;RR S,E	1167	30 L1 S6	80 oct.P-line S.
Montevideo	2.2 NNE;hwy W	950	25 S1	80,91 oct.P-line NW.
(P) Morris	2.7 WSW,RR N	1134	31 S6	80 oct.P-line NE
Ortonville	1 ESE,hwy S	1090	30 S1	80,91 oct.P-line SE.
Park Rapids	1.7 SSW,RR E	1440	30 S6	80 oct.
Redwood Falls	1.8 NE,riv NE	1025	25 S1	80 oct.Poleline SE,SW.
Thief River Falls	3.6 S, riv W	1110	25 S2	80 oct. Trees NW
Wadena	1 E,RR NW	1300	30 S4	80 oct.No sto.P-line S,NW
Westbrook	1 SE,hwy N	1500	18 S1	80 oct.
Willmar,16,HR-MP	1.5 W,RR E	1130	30 R1 L3 S6	80 oct.P-line E.

NORTH DAKOTA

Abercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.

NEW AIRPORTS

Oldham (S.D.)	1 ESE	1668	25	Use strips only.Poles N.
Gettsburg (S.D.) (S.D)	1.5 S;dams 1 SW	2082	27 S4	80oct.Use strips.Poles S,W
Lake Poinsett(Arlington)	4.3 ESE;lk,hwy E	1680	22 S2	80oct.Use strips.Poles SE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.
(See page XIII) (NC)-not charted → NEW OR REVISED DATA.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2026	40 L3	
Cando	1.1 SW,RR E	1490	28 S4	80 oct. No sto.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	P-line W.
(P) Devils Lake	2.5 W,hwy S	1450	46h L S6	80,91 oct.Port lgts on req.
(NG)FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73,80,91 oct;100 oct,JP-1 (S4) N.G. Army.
(P) GRAND FORKS	2.6 WNW,RR S,E	837	49h R1 L5 S6	80,91 oct.ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	27 S1	80 oct.
Homestead(Wyndmere)	6.2 N,hwy W	1100	16 S1	80 oct.Trees E,SW.
(P) Jamestown	1.5 NE,hwy S	1498	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	24 S1	80 oct.P-line N,NW.
Lisbon	0.8 SSW	1151	21 S1	73 oct.Polelines N,S.Tank NE.
(P) Matheny (Carrington)	1.3 W,RR N	1580	32 S6	80 oct.No sto.Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct. W,SW,NW
New Rockford	1.5 N. RRV	1533	32 S6	80 oct.No sto.P-lines E,
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct. ARPT. OF ENTRY.
Rolla	1.5 N;hwy E	1850	25 S4	80 oct.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct.Poleline N;pwrline E.
(P) Valley City, 71	1.5 NW,riv NE	1375	38h L1	(HL-Twin Cities)
Walkinshaw (Argusv'l)	4.5 V NW	895	23 S2	80oct. N blkd.

SOUTH DAKOTA

(P) ABERDEEN	2.9 E,RR N	1299	49h R1 L5 S6	30,91 oct.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct.Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Dieter (Redfield)	6 E;RR S'	1300	25 S1	80 oct.P-line sur fld exc.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct.Poles sur fld,E,W
Madison	3.7 ENE,hwyS	1688	26 S2	80 oct.Trees W;pole NW
★ Miller,Int.44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW,RR NE	1300	25	Pole line E.
WATERTOWN	2 NW,RR NE	1736	69h R1 L3 S1	80, 91 oct.
Webster	3 S;hwy W	1848		Poles NE,W,NW.Use ctn
(P) W.W.HOWES(Huron)	1.3 NNW	1287	43h R1 L3 S6	73,80,91 oct.

NEW AIRPORTS

Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct..Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct Pwr line SE,NNE.
Britton Mun.,(S.D.)	2 NNE;RR W	1350	24 S1	73 oct.Poles W.
Twin Valley Farm	1 W	1050	24 S1	80 oct. (Minn.)
Maddock, (N.D.)	1 N;hwy W	1650	23	Rough.
Roseau (Minn.)	1.6 NW;hwy S	1040	35 S1	80 oct.Pwr line N,W,NW.
Lake Benton, (Minn.)	7 NNW	1759	20 S1	80 oct.
Glenwood, (Minn.)	3.2 E;hwy N	1400	26 S1	80 oct.Allway fld.N,NE,
Smitty Sky Ranch,	6.5 NNW	1817	22 S1	73 oct. (Minn.) NW blkd.
Bell (Devils Lake,N.D	2 SSE;	1478	30 S6	80 oct. (Minn)
Erskine-Gunther	2 ENE;lake S	1150	23 S1	80oct.P-line ENE(Erskine,
Lake Preston (S.D.)	1.2 ENE;lk N	1725	18 S2	80oct.Stacks E.Rough.Poles
Conrad Bros.(Page,N.D)	4 E	1080	15 S2	80 oct.
→ Wheaton (Minn)	3.0 SW;crk N	996	20 S1	80 oct.
→ Tracy (Minn)	1.2 NE;hwy S	1338	23 S1	80 oct.

MINNEAPOLIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Aitkin Mun. (Minn)	1.7 ENE;riv W	1208	26 S1	80 oct.
Amery (Wis)	3.4 NNW;lk SW	1100	26 S6	80,91 oct.SE blkd.
Anderson (Cocato, Minn)	2.6 ENE;RR S	1020	23 S1	80 oct.Poles S;trees W.
Anoka Flying Service (Minn)	1.2 SE	896	19 S6	73,91 oct.Poles NE;twr SE
Arrowhead (Rice Lake, Wis)	2 SSE;lake S	1190	24 S4	80 oct.Use lndg strips only
Ashland (Wis)	2.5 SSE;RR E	700	19 S2	80 oct.Use strips only.
Barron (Wis)	1.1 ENE;riv W	966	26 S2	80 oct.E blkd.P-line W.
Baudette (Minn)	0.8 NW;riv N	1080	27 S4	80 oct.ARPT OF ENTRY.
(P)Bemidji (Minn)	3.8 NW;hwy S	1395	57h S6	80, 91 oct.
Bemidji-Port-O-Wilds (Turtle River, Minn)	1.2 NW;lake W	1350	23 S1	80 oct.P-line NE.Use strips only.
Bleick (Fairfax, Minn)	2.5 N	1050	18 S1	80 oct. P-line E.
(P)Bong (Superior, Wis)	2.3 S; RR E	674	33 S6	80 oct.P-line SE.Twr NW
Boyceville (Wis)	0.5 E;RR N	948	21 S2	80 oct.P-line W,N,NE.Use
Boyd's Mason Lake(Fifield,Wis)	13 WSW;lk NW	1200	30 S1	80 oct.N,E,W blkd. strips
Brainerd (Minn)	1.3 SSE;hwy W	1210	25 S6	80 oct.
Burnett Co. (Siren, Wis)	2.6 NNE;hwy E	988	39h	Trees SW,NW.RR W.
(A)Camp Ripley (Little Falls,Minn)	7.5 N;riv E	1149	70	Water twrs SE. (A)
(P) Carleton (Stanton, Minn)	0.7 NE;RR W	870	30 S6	80 oct.Flares on req.Obst
Chetek (Wis)	1.5 SE;lake E	1050	22 S2	80 oct.P-line S, sur fld SE. Use strips only.
Chippewa Falls (Wis)	2 S; RR NW	910	26 S6	80 oct.P-line SW,W.NW,S
Colby-Abbotsford (Colby,Wis)	1.2 NNW;RR E	1400	26 S4	80 oct.P-line NNE. blkd.
Coleraine (Minn)	0.8 SSE;lk SE	1390	25 S4	80 oct.
Crosby (Minn)	0.5 NE	1266	25 S1	80 oct.P-line SSE.
Cumberland (Wis)	3 SE;lake NE	1175	26 S4	80 oct.N,S blkd.
Dallas (Wis)	0.7 SSE;RR W	1100	26 S2	80 oct. S blkd.
DULUTH Range (Minn)	221 (DH)(116.1)	13°,3.9	SBRAZ-DTV	(4); 116.1
(P) Duluth (Minn)	6.5 NNW;hwy S	1428	57h S6	80,91 oct.Clsd ngts,except airlines.ARPT OF
Eau Claire (Wis)	1.5 SSE;hwy N	884	31 S6	80,91 oct.Obst. ENTRY. sur field.
(P)Eau Claire Mun. (Wis)	3.5 NNE;riv NW	885	43h	Trees SW.
Eau-Claire Sky Park (Wis)	2.0 SSW;RR W	886	28 S4	80 oct.P-line S,SE.Trees
Ely (Minn)	1.2 E	1425	24	Trees sur fld. SW,NW. Not maintained.
Faribault (Minn)	1.6 S;hwy W	1060	20 S1	80 oct.Pwr line W.
(N)Fleming (So.St.Paul, Minn)	1.8 S;riv NE	822	15h S6	80 oct.Flares prior req.
Flying Cloud (Minneapolis,Minn)	13.8 SW;riv S	900	30 L1 S6	80 oct.P- line S, NE. Rdo rprs.
Gervais (Tofte, Minn)	1.2 NE;hwy S	800	28 S5	80 oct.
Gogebic Co.(Ironwood,Mich)	4.5 NNE;RR S	1246	24 S4	80 oct.Poles S.Soft when
Grand Rapids (Minn.)	1.5 SSE;lk NE	1293	25 S6	80 oct. wet.
Grantsburg (Wis)	1.5 NNE;riv S	870	13 S2	80 oct.Trees NE,SW.Use
(P)Hayward (Wis)	2 NE;RR NW	1200	30 S4	80,91 oct. strips.
Hector (Minn)	0.7 S;RR N	1100	25 S1	80 oct.P-line W,NW,SW.
Heywood Gull Lake,(Nisswa,Minn)	1.7 SSW;lk S	1200	18 S2	80, 91 oct.
(P)Hibbing (Minn)	4.5 SE	1367	40h L4 S6	80,91 oct.Lgts on req.
(P)Hincks (Monticello, Minn)	1.3 NNE;riv SSW	940	44 S6	80 oct.P-lines S,SW.
Holcombe (Wis)	0.5 NNE;riv W	1038	14	P-line NNE;bldgs SSW.
Hudson Flying Service (Wis)	3.8 E;hwy N,W	850	18 S1	80 oct.P-line NE,SW.Ctn.
Hultquist's Sky Ranch (Minong,Wis)	1.9 W;lk W	1180	13 S4	80,91 oct.Trees S,N.
Hutchinson (Minn)	2.5 SSE	1052	28 S1	80 oct.
(P)International Falls (Minn)	2.2 S	1175	30h S4	80 oct.
Jackson Co.(Black River Falls,Wis)	2 E; RR W	855	28 S6	80 oct.P-line W,NW,SW.
Kentoby (Annandale, Minn)	1 E	1066	24 S2	80 oct.
Kenyon (Minn)	0.8 S;RR E,N	1240	20 S1	80 oct.P-line N,NE.
(P)Lake City (Frontenac, Minn)	0.5 SE;RR N	775	44 L3 S6	80 oct.
Le Sueur (Minn)	1.1 S;riv W	900	24 S4	80 oct. Rolling.
Litchfield (Minn)	1.2 NE;hwy N,W	1140	24 S2	80 oct.
Littlefork (Minn)	1.8 WNW;riv E	1153	19 S2	80 oct. P-line S.
Mankato (Minn)	1.7 SE;hwy W	996	29 L1 S6	80,91 oct.P-line NE,SE. Flare pots on req.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 S6	80 oct.Flare pots in emerg
Menomonie (Wis)	3.2 NE;RR N	2895	26 S1	80 oct.Obst sur fld.
Miller (Garrison, Minn)	1.4 N	1264	22 S1	80 oct.
MINNEAPOLIS Range (Wold Chamberlain (Minn)	266 (MP)(116.1)	298°,3.6	SBRAZ-DTV	(3); 116.1
Neilsville Memorial (Wis)	5.7 W;hwy SW	1000	24 S1	80 oct.Trees sur fld.
New Richmond (Wis)	3.5 ENE;RR S	990	24 S1	80,91 oct.Bldg E;trees W.
(P) New Ulm (Minn)	1.8 W;RR N	1000	32 S1	80 oct.P-line N;hwy N.
Northport (White Bear Lake,Minn)	3.2 E;lake W	1000	22 S6	80,91 oct.
(P)Otis Lodge (Grand Rapids,Minn)	7.5 SW;lake S	1293	26 L1 S4	80 oct. Seaplane base S.
Owatonna (Minn)	2.9 NW;hwy E	1143	23 S6	80 oct.
(P)Phillips (Wis)	1.2 N;riv S	1140	30	P-line W,SW.
Pine Beach (Brainerd, Minn)	8.8 WNW;lk N	1250	21 S1	80 oct.P-line NW,W,SE,E.
Pines (Bloomer , Wis)	0.9 E; RR W	1050	16 S2	80 oct.Poles S,W.Rough.
Pleasant Corners (Dodge Ctr,Minn)	2 ESE;RR N,W	1050	13 S1	80 oct.Poles S. W blkd.
Price Lake (Phillips, Wis)	12.5 WNW	1140	22 S1	80,91 oct.Trees on all but
Princeton (Minn)	1 NNW;riv N	976	21 S4	80 oct.Trees lake appch N, W. Use strips only.
Rainbow (Winter, Wis)	4.2 WSW;riv S	1265	19 S1	80 oct.W appch hazardous.
Red Wing (Minn)	2.5 NE;hwy N,W	790	21 S1	80 oct. Strip rolling.
Rice Lake (Wis)	3.5 NNE;RR W	1150	37 S4	80 oct.Poles sur fld.
River Falls (Wis)	0.5 NW;riv,RR E	885	18 S1	80 oct.P-line N,S;trees E.
Robbinsdale (Minn)	0.8 NW;RR E	879	14 S6	80 oct. Obsts N,S.
Rusk Co. (Ladysmith, Wis)	2.8 SE;RR SE	1150	25 S2	80 oct.Use strips only.
(NG) St. Paul (Minn)	1.5 SE;riv E,N	704	55h L4 S6	80,91 oct. 100 oct. NG.
St. Peter (Minn)	2.4 NNW;riv E	900	20 S4	80 oct. P-line S.
Sand Creek (New Auburn, Wis)	7 WSW;riv E	990	26 S1	80 oct.Trees N. S blkd.
(P) Schlosser (Durand, Wis)	2.4 NNW;riv W	800	32 S2	80 oct. P-line NE.
Sells Fly. Field (Mayer,Minn)(NC)	0.4 SSE	750	12 S6	80 oct.Hill N end. Ctn.
Sky Harbor Lodge (Pine Riv.,Minn)	1 NE;lake NW	1340	26 S1	80 oct.P-line N,S,W.Trees
Sky Haven (Eau Claire , Wis)	5 SW;riv,RR W	940	31 S6	80 oct.P-line S,SW, E
Shell Lake (Wis)	1.2 SE;RR W	1214	29 S1	80 oct.Trees N,NE,S.
Spencer (Wis)	0.5 WSW;hwy N		22 S2	80 oct.Fence S,SW.Data unv
Spooner (Wis)	5 N;lake NW	1072	26 S1	80 oct.Trees S.Use strips.
Springfield (Minn)	0.5 W;hwy N	930	22 S1	80 oct.P-line ENE,E,ESE.
Staples (Minn)	1.5 NNW	1298	32 S1	80 oct.Use strips. WNW.
Taylor County (Medford, Wis)	2 SE;riv NW	1400	21 L S1	80 oct.P-line N.Flares on
Thorp (Wis)	1.4 SSW	1225	20 S1	req
Thorp City (Wis)	0.6 SSE;RR N	1225	22 S1	80 oct. Hwy N.
Todd (Brainerd, Minn)	1.5 NW;riv SE	1250	26 S1	80 oct.
Union (Iron River, Wis)	2.2 WNW;RR S	1100	19 S1	80,91 oct.E blkd.Use strips
University of Minn. (New Brighton) Minn)	3.8 N;hwy W	909	34 S6	80 oct.Trees E.P-lines W, NW,SW,N.
Victory (Minneapolis, Minn)	9 N; riv E	860	39 S6	80,91 oct.P-line SW.
Virginia (Minn)	2 WSW;bet RRs	1429	35 S4	80,91 oct.P-line N.
Waseca (Minn)	0.5 S;RR NW	1150	39 S2	80 oct. P-line N.
(P)Whitney Mem'l (St. Cloud, Minn)	1.5 NNW;riv E,N	1034	35 L3 S6	73, 80 oct.
Winona (Minn)	4.5 WNW	670	24 L3 S6	80,91 oct.Hwy NW.
WOLD CHAMBERLAIN Tower (Minneapolis, Minn)	278 (126.18, 118.3)+		AC (ILS)	(4); 122.5,126.18,118.3
(A,N)[Wold-Chamberlain] (Minneapolis, Minn)	6.5 SSE;hwy S	834	59h L4 S6	80-100 oct.JP-1.Rdo rec. rqrd.N blkd.Ltd maint.fac for mil.acft

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
WOLD CHAMBERLAIN	109.9	333.8	354°	MM- •—•— (0.76) OM- — — (4.7) MMK- 201 ••• OMK- 219 — —

NEW FACILITIES

Owen (Wis)	0.7 NE;RR S	1270	19 S1	80 oct.P-line N,NE,SW,W,
Taylor Falls (Minn)	1.5 W; riv E	950	23 S6	80 oct. NW.
Waldoch Fld(Forrest Lake,Minn)	6.5 SW	905	22 S1	80 oct.P-line E.
Southport(Rosemount,Minn)	4.4 WSW	962	26 S4	80 oct.P-lines sur fld.
Sleepy Eye (Minn.)	3.3 SSE;lk 2 E	936	21 S1	80 oct.P-line N.
Morgan (Minn)	1.5 NNE	1025	20 S1	80 oct.P-line E

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, [illegible] kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards [illegible] mcs.
A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) *-Guarded only when associated tower inoperative.

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII)
New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

14 MINNEAPOLIS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ●
(EXCEPT BY ATC REQUEST)

: EXTREMELY HAZARDOUS

: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF BARS (VOR IDENTIFY "E" QUADRANTS.

ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

95° 94° 93° 92° 91° 90°

25 MILES
0
25 STATUTE
50

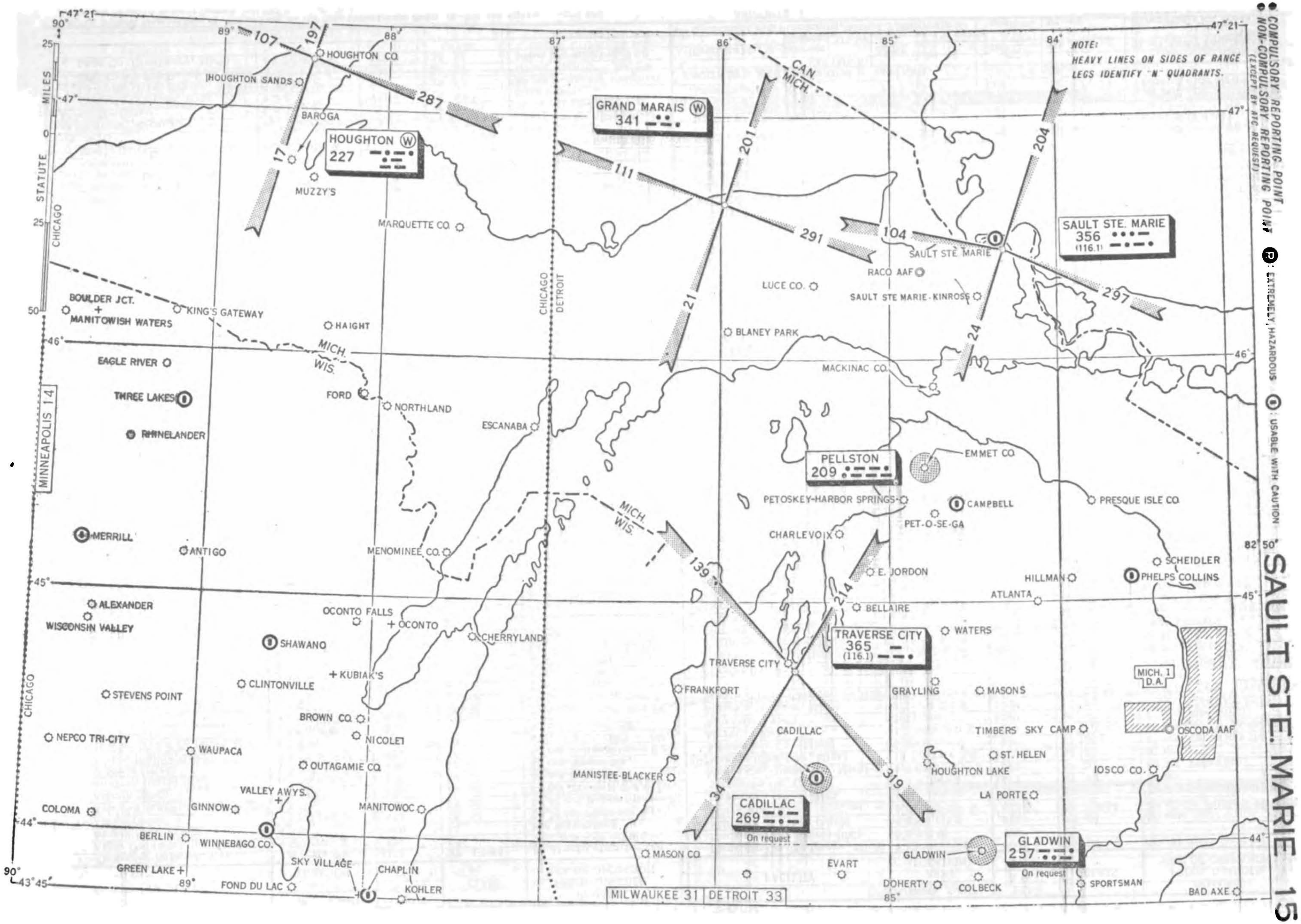
48°

47°

46°

45°

BAUDETTE
INTERNATIONAL FALLS
CAN. MINN.
LITTLE FORK
D A
ELY
TOWER
BEMIDJI-PORT-O-WILDS
BEMIDJI
VIRGINIA
HIBBING
COLERAINE
GRAND RAPIDS
OTIS LODGE
GERVAIS
193
171
DULUTH
DULUTH 221 (116.1)
89
269
SKY HARBOR LODGE
FARGO 11
PINE BEACH
KEYWOOD
CROSBY
AITKIN MUN.
BONG
UNION
ASHLAND
WISC. MICH.
GOGEBIC CO.
STAPLES
TODD
BRAINERD
MILLER
CAMP RIPLEY
ALEXANDRIA 239
GREEN 1
131
WHITNEY MEM.
PRINCETON
LITCHFIELD
98
KENTOBY
ANDERSON
RED 31
264
HAMEL
24
WILLMAR 254
ROBBINSDALE
HUTCHINSON
HECTOR
WOLD-CHAMBERLAIN 278 (118.3, 126.1B)
HINCKS
ANOKA
WALDOCH
VICTORY
U. OF MINN.
MINNEAPOLIS 266 (116.1)
NORTHPORT
HUDSON
ST. PAUL
FLEMING
RASTINGS
10
FLYING CLOUD
SOUTHPORT
JORDAN
26
BLEICK
MORGAN
SIOUX FALLS 245
234
58
LE SUEUR
ST. PETER
NEW ULM
SLEEPY EYE
201
SPRINGFIELD
MANKATO
FARIBAULT
KENYON
WASECA
OWATONNA
PLEASANT CORNERS
ROCHESTER 236
CARLETON
RED WING
298
170
LAKE CITY
SCHLOSSER
WINONA
120
LA CROSSE 371
236
JACKSON CO.
MARSHFIELD
NEILLSVILLE
SAULT STE. MARIE 15
GRANTSBURG
SHELL LAKE
ARROWHEAD
CUMBERLAND
RICE LAKE
BARRON
TAYLOR FALLS
AMERY
CHETEK
DALLAS
PINES
BOYCEVILLE
HULTQUIST'S
HAYWARD
SPOONER
RAINBOW
PRICE LAKE
BOYD'S
PHILLIPS
RUSK CO.
TAYLOR CO.
THORPE CITY
OWEN
THORPE
COLBY-ABBOTSFORD
CHIPPEWA FALLS
EAU CLAIRE MUN.
EAU CLAIRE
WISC. 2 D.A.
WISC
MINN
141
13
192
94
39
30
90
OVER
CHART 29


COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
D: EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
SAULT STE. MARIE 15
47°21'
90°
89°
88°
87°
86°
85°
84°
82°50'
47°
46°
45°
44°
43°45'
STATUTE MILES
CHICAGO
MINNEAPOLIS 14
HOUGHTON CO.
HOUGHTON SANDS
BAROGA
MUZZY'S
HOUGHTON (W) 227
GRAND MARAIS (W) 341
MARQUETTE CO.
CHICAGO DETROIT
CAN. MICH.
SAULT STE. MARIE 356 (116.1)
SAULT STE. MARIE
RACO AAF
LUCE CO.
SAULT STE MARIE-KINROSS
BOULDER JCT. + MANITOWISH WATERS
KING'S GATEWAY
HAIGHT
BLANEY PARK
MICH. WIS.
EAGLE RIVER
THREE LAKES
RHINELANDER
FORD
NORTHLAND
ESCANABA
MACKINAC CO.
PELLSTON 209
EMMET CO.
PETOSKEY-HARBOR SPRINGS
CAMPBELL
PET-O-SE-GA
PRESQUE ISLE CO.
CHARLEVOIX
MERRILL
ANTIGO
MENOMINEE CO.
E. JORDON
HILLMAN
SCHEIDLER
PHELPS COLLINS
ATLANTA
ALEXANDER
WISCONSIN VALLEY
OCONTO FALLS
OCONTO
CHERRYLAND
BELLAIRE
TRAVERSE CITY 365 (116.1)
WATERS
SHAWANO
KUBIAK'S
TRAVERSE CITY
FRANKFORT
GRAYLING
MASONS
MICH. 1 D.A.
STEVENS POINT
CLINTONVILLE
BROWN CO.
NICOLET
CADILLAC
TIMBERS SKY CAMP
OSCODA AAF
NEPCO TRI-CITY
WAUPACA
ST. HELEN
HOUGHTON LAKE
OUTAGAMIE CO.
MANISTEE-BLACKER
IOSCO CO.
VALLEY AWYS.
CADILLAC 269 On request
LA PORTE
COLOMA
GINNOW
MANITOWOC
BERLIN
WINNEBAGO CO.
GLADWIN 257 On request
MASON CO.
EVART
GLADWIN
SKY VILLAGE
CHAPLIN
GREEN LAKE
FOND DU LAC
KOHLER
DOHERTY
COLBECK
SPORTSMAN
BAD AXE
MILWAUKEE 31
DETROIT 33
107
197
287
17
111
201
204
291
104
297
21
24
139
214
34
319

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct.Lgts prior req.
Alger Co. (Munising,Mich)(NC)	4 SSE;hwy E	850	26	Twr N;woods all sides.
Amasa (Mich) (NC)	4 NW	1560	14	Not maintained.
(P)Antigo (Wis)	2 ENE;hwy N	1483	33 S4	80,91 oct.Flare pots avail.
Arbor-Vitae (Woodruff,Wis)(NC)	2.6 NW	1600	25 S2	80,91 oct.P-line N;trees E,
Atlanta (Mich)	0.8 ESE	875	22 S2	80 oct.Trees N,NW,W.[W.
Au Gres (Mich) (NC)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW.NW blkd.
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct. Trees NE.
Baraga (Pelkie, Mich)	3.5 SE;hwy N	805	21 S2	80 oct.P-line N;trees E,S,
(P) Beaver Island (St.James,Mich)	4.2 SSW	620	35	NW,SE blkd. (NC) [W.
(P) Bellaire (Mich)	1 NE;RR W,S	614	24 S1	80 oct.P-line E,SE.
Berlin (Wis)	2.9 W;hwy S	780	20 S1	80 oct.SE blkd.P-line SW.
Big Bear (Topaz, Mich)	2.2 S	1295	25 S2	80 oct. P-line S;trees E.
Big Lake (Baraga, Mich) (NC)	7.3 SW;rd W	1100	20	Trees all sides.Emerg.use
Blaney Park (Mich)	0.5 NW;lk N	850	18 S1	80 oct. P-line E.
Boulder Junction (Wis)	1.5 NW		38 S1	80,91 oct. Data unver.
Brevort (Mich)	1.2 NW;hwy S	620	23	Emerg. use. Trees E,W.
Brown Co. (Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct. E,ESE,SE blkd.
CADILLAC H Fac. (Int.)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac, 23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
Calbeck (Beaverton, Mich)	0.8 SW;RR W	728	27 S2	80 oct.Poles SE;trees E,NW
Campbell Mun. (Indian River)	0.8 SE;RR,hwy W	602	20 S1	80 oct.P-line N.(Mich)
Chaplin Arpk (Plymouth, Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
Charlevoix (Mich)	0.8 SW;lk NW	642	30 S2	80 oct. P-lines S,W,NW.
(P)Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P) Clintonville (Wisc)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blkd.Pwr line NE,SW,W.
Coloma (Wis)	3.0 NW;hwy E	1065	26 S2	80 oct. N,S blkd.
D.A.R. (Rexton, Mich) (NC)	1.9 WSW;RR N	900	22	Poles N.
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-ctn.
Eagle River (Wis) (NC)	1.3 NW;riv NW	1675	26 S1	80,91 oct. P-line E.
East Jordan (Mich)	1.9 SSE;riv W	640	26 S1	80 oct.P-line E,N;trees W
(P)[Emmet Co.] (Pellston, Mich)	0.6 NW;RR E	707	54h L3 S2	80,91 oct.Lgts on req.P-[line N,E
Escanaba (Mich)	2 SSW	594	26 S6	80,91 oct.Trees E
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S.
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct.P-line N,NE,NW.
Ford (Iron Mountain, Mich)	2.5 W;riv W	1140	23 S6	80,91,100 oct. [SE blkd.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Rough.
GLADWIN H Fac. (Mich)	257 (GU)		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND MARAIS Range (Mich)	341(IG)		RL-W	Oper.State of Mich.
Green Lake (Wis)	4 W;hwy S	990	22 S1	80 oct. Data unver.
(P)Grayling (Mich)	1.3 NW;RR W	1152	50h	
(P)Haight (Crystal Falls, Mich)	1.3 ENE;lk E	1390	34 L1 S4	80,91 oct.Bldg SW,WNW.
(P)Harbor Beach (Harbor Beach, Mich)	2.5 W;rd S	670	20 L S2	80 oct. P-line NE,SE Flood lgts prior req.
Harrison (Mich) (NC)	2.3 NNW;hwy E	1100	26 S2	80 oct.S blkd.Ctn-rough.
Hillman (Mich)	2.8 NW	995	23 S1	80 oct.Woods all sides.
HOUGHTON Range (Mich)	227 (CAM)		RL-W	Oper. State of Mich.
Houghton Co. (Calumet,Mich)	2 SE;RR NE	1200	26 S4	80 oct.Twrs,poles W. NW
Houghton Lake (Houghton Hgts, Mich)	1 W;lake NNE	1150	27 S2	80 oct.Pole NW; [blkd. trees W,SSE,E.Rdo twr W
Houghton Sands (Mich)	2 ESE;RR SW	605	26 S3	80 oct. [N lgtd.
Ishpeming-Dexter (Mich)(NC)	7 W;RR N,S	1570	25	Poles N.
Kalkaska (Mich) (NC)	0.5 WNW;RR E	1020	26	
King's Gateway (Land O'Lakes, Wis)	0.5 SSE;RR W	1736	44 S2	80,91,100 oct.P-line SE,SW, NW. Twr NE.
(A)[Kinross](Mich)(A)	See Sault Ste Marie-Kinross under "New facilities"-name changed.			
(P)Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct.SE blkd.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Data unver.
La Porte (West Branch, Mich)	6 SE;RR W	890	26 S2	80 oct.P-line SW.Rough off
Lost Creek Sky Ranch (Red Oak)	4 SSE;hwy S	1090	26 S1	80 oct. (Mich) [strips.
Luce Co. (Newberry, Mich)	4.1 SE;hwy S	872	28 S1	80 oct.NW blkd.Poles SE.
Mackinac Co. (St.Ignace, Mich)	2 NNW;hwy E	600	26 S2	80, 91 oct.
Mackinaw City (Mich) (NC)	5 S;RR W	700	22	
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct.P-line W,SW,SSE.
Marenisco (Mich) (NC)	1.6 E;hwy N	1551	20	ENE,WSW blkd.[Bndry lgts inop.
Marquette Co. (Mich)	7.9 W;hwy S	1412	27 S2	80 oct.
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
(P)Masons (Grayling, Mich)	12 ESE;riv 2 N	1000	40 S1	91 oct.
Menominee Co. (Mich)	5 NNE;bay E	590	27 S1	80 oct. Trees sur fld.
Merrill (Wis)	1.2 NNW;RR E	1285	22 L1 S2	80 oct.Use strips only.
Mio (Mich) (NC)	1.6 N;hwy W	1050	26	Emerg. use only.
Muzzy's (L'Anse, Mich)	2.3 SSE;RR E	1008	24 S1	80 oct.Poles ENE,ESE;
Nepco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts [trees WNW on req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct.P-line E,W.Data unv.
(P)Northern Lakes (Manitowish,Wis)	6.8 E;hwy NE	1600	28 S4	80 oct. Trees E,W.
Northland (Norway, Mich)	1.8 ESE;RR N	1060	33 S3	80,100 oct.P-line N.
Norway Township (Loretto,Mich)	See Loretto Arpt under "New Facilities" - Name Changed			
O'Conta (Wis)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver
Oconto Falls (Wis)	2.7 ENE;RR S	600	20 S2	80 oct. P-line N.
Onaway (Mich) (NC)	0.6 NNE;RR S	770	21	P-line SW;trees SE.
(A)Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Otsego Co. (Gaylord,Mich)(NC)	1 SW;lk 1.5 S	1384	40 S1	P-line E,NE.Trees N.
Outagamie Co.(Appleton, Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
PELLSTON H Fac. (Mich)	209 (PJ)		MHT	(4); (6-22)(Emmet Co.)
Pet-O-Se-Ga (Wildwood,Mich)	1.8 NW;lk NW	620	20 S2	80 oct.
Petoskey-Harbor Spgs.(Petoskey)	4.5 NE;bay W	620	24 S2	80 oct.P-line E.Trees NW.
Phelps Collins(Alpena,Mich)	6.5 WNW;riv adj	685	50h L5 S4	80 oct.No bcn,[SE (Mich) bndry lgts.Lgts on req.
Presque Isle (Rogers City,Mich)	0.7 SSE;hwy E	658	26 S2	80 oct.
Prickett-Grooms (Sidnaw,Mich)	0.5 N;RR S	1300	18 S1	80 oct.Use ctn.Bldgs SE,
(A) Raco AAF (Mich) (A)	4.5 WSW;RR N	910	55h	TMP INACT.NO FACS[SW.
(P) Rhinelander (Wis)	2 W;riv 1 SE	1598	37 S4	80,91 oct.Trees NW.
Roscommon (Mich) (NC)	2.5 SE;RR NE	1100	42	Trees all appchs.Emerg.
Roscommon Co.(Prudenville,Mich)	4.5 N;riv E	1150	26 S1	80 oct.Trees sur fld.[use.
St. Helens (Mich) [(NC)]	0.9 SE;RR N	1153	26	Tree all appchs.Emerg.use
SAULT STE.MARIE Range (Mich)	356(VC)(116.1)	317°,2.2	SBMRAZ-DTV	(4);116.1,122.1
(P)[Sault Ste Marie](Mich.)	1 SSW;riv N	706	36 L3 S4	80,91 oct.Fld lgts on req.P-lines E,S.ARPT OF ENTRY
Scheidler (Alpena, Mich)	6.3 N;hwy NW	590	22 S4	80 oct.P-line NE,N,SW.
(P)Schoolcraft Co.(Manistique,Mich)	3.3 ENE;lk S	678	31	Appchs 5:1 (NC)
Shawano (Wis)	2.3 ENE;lk NE	813	40 L S6	80,91 oct.Poles SW.Lgts prior req.Rnwy data unv.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct.Data unver.
Steuben (Manistique,Mich)(NC)	20 NW	850	18	Woods all sides.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
Three Lakes (Wis)	0.5 S	1664	14 S1	Fuel.Rough.Obsts sur fld.
Timbers Sky Camp(So.Branch, Tomahawk (Wis) (NC) [Mich)]	0.2 NE;riv 4 E 0.5 WNW;riv N	950 1450	22 S1 15	80 oct.P-line NW.Trees NE Obsts sur fld.Emerg.use.
TRAVERSE CITY Range (Mich)	365(TG)(116.1)	319°,2.2	SBMRAZ-DTV	(4); 116.1
(P)[Traverse City](Mich)	2.1 SE;RR NE	618	52h L5 S6	80, 100 oct.
Valley Airways (Neenah,Wis)	3.9 SW;RR E	760	21 S4	80 oct.P-line E;trees S.
Washington Island (Wis) (NC)		600	24	0.6 NNE of Detroit Harbor
Waters (Mich)	0.6 N;hwy W	1225	25 S1	80 oct.P-line NW.Trees sur
Watersmeet (Mich) (NC)	1.2 NNE;RR SSE	1581	22	Poles SE.Emerg.use.[fld.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
(P)Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.P-line NE,N,W. Rnwy data unver.
Wisconsin Valley (Rothchild,Wis)	2 S;RR,hwy W	1180	30 S4	80 oct.P-line N, NW.
NEW FACILITIES				
Loretto (Mich) NC *	2.4 S;lake N	860	21	Trees on side strips.
SAULT STE MARIE-KINROSS H Fac (Mich)	239 (KNR)		HW	Civil Fac.
(A)[Sault Ste Marie-Kinross Kinross,Mich)	2.5 SE	780	55h S1	91 oct.Army Tmp Inact.
→ Sportmans Fld(Pinconning,Mich)	1.7 ESE;riv N	592	27 S2	80 oct.Bldgs NE,trees SW

8-3465-03*

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) *-Guarded only when associated tower inoperative.

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) ▸ →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

PRESQUE ISLE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Andover (Me) (NC)	2.5 S;hwy E	675	17 S3	1125' hill, pole E.
→ Aroostook Fly.Svc.(Ft.Fairfield)	1.7 E;riv W			ABANDONED(Me)
(P) [Auburn-Lewiston] (Auburn,Me)	4.5 SW;RR W	290	45h L5 S6	80,91 oct.P-line E,SE.Fld lgts on req.
AUGUSTA Range (Me)	221(AW)(116.1)	81°,2.0	BMRLZ-DTV	(4); 116.1
[Augusta] (Me)	1.5 WNW;hwy S	354	34h L5 S6	80,91 oct.Fld lgts on req.
Austin (Swanton, Vt)	1.7 NE;RR W	235	21 L S6	80,91 oct.Port rnwy lgts prior req.ARPT OF ENTRY
Austin (Washington, Me)	2.6 W;hwy N	280	13 S1	80 oct.
BANGOR Range (Dow) (Me)	239(BB)(116.1)	172°,2.1	SBRAZ-DTV	(4); 116.1
Bar Harbor (Me)	9 NW;hwy W	87	45h L3 S6	80 oct. P-line NNE.
(P) [Barre-Montpelier] (Barre,Vt)	3 W;pond SW	1149	41h L5 S6	80, 91 oct.
(P) Belfast (Me)	1 SW;hwy E	160	40h S6	80 oct.
(P) Berlin (N.H.)	7.5 N;riv W	1140	52h S4	80, 91 oct.
Bethel (Me)	1.6 NW;RR E	660	16 S2	80 oct. Trees W.
Billings Arpk(Ellsworth, Me)	4 SSE;hwy S,E	85	18 S1	80 oct. Trees NW,SE.
Bishop (La Grange, Me)	0.8 N	360	10 S4	80 oct. SSW,WSW blkd.
Bradley (Watertown, N.Y.)(NC)	2.2 N;RR E	435	25 S6	80 oct.P-line W,SW,S blkd
Bristol (Vt)	0.7 W;riv SE	570	21 L S6	80 oct.Port rnwy lgts.ENE blkd.
Brown (St.Johnsbury, Vt)	5.2 N;RR E	807	21 S6	80 oct.Obsts sur fld.
BURLINGTON Range (Vt)	323(JG)(116.1)	151°,2.8	SBRAZ-DTV	(3); 116.1
→ BURLINGTON Tower (Vt)	278(126.18,118.7)		C	(4);122.5,126.18,118.7
(NG) [Burlington] (Vt)	3 E;riv NE	334	44h L5 S6	80,91 oct.ARPT OF ENTRY
Caribou (Me)	1 N;riv SE	623	35h S6	80 oct.Bldg E.ARPT OF ENTRY.
Central (Lewiston, Me)	1 NE	220	15 S1	80 oct.
Champlain (Colchester, Vt)	6.3 W;RR W	120	17 S4	80 oct.P-line S;swamp W.
Community Arpk (Mapleton,Me)	4.3 NE	630	8 S1	80 oct. Lgt planes only
Damon (Pottsdam, N.Y.)	1.5 E;hwy S	460	20 S1	80 oct.P-line N Strps rough
Dean Memorial (Haverhill,N.H.)	4.1 NE;RR W	570	21 S1	80 oct.Trees at ends NNW,ESE,SSE.
Deblois Flight Strip (Me)	2 SE;riv W,N	219	40h	CLOSED.
(P) Dexter (Me)	3 ESE	485	30h S4	80 oct.
Dingley (Auburn, Me)	2.5 NW;lk N	320	18	P-line SW.
Doane's (Brewer, Me)	1.6 S	100	17 S6	80 oct.P-line NNW.Trees E
DOW Tower (Bangor, Me)	278 (126.18)+		CA (ILS-W)	(3); 126.18, 118.7
(A) [Dow] (Bangor, Me) (A)	2 W; RR S	160	70h (L6) S4	100 oct.
Eastport (Me)	1.5 WNW	70	29h S1	80 oct. P-line SW.
Errol (N.H.)	1.2 WNW	1245	18 S4	P-line NW. 80 oct.
Fairmont (E.Montpelier, Vt)	0.8 SSE;RR W	745	19 S4	80 oct.
Farmington Arpk (Me)	4.5 N;rd W	430	17 S6	80 oct.
Fernald (Winterport, Me)	3 WNW;hwy S	182	40h L3 S6	80 oct.Lgts prior req.
Fernald's (Benton, Me)	0.6 WNW;hwy S	120	18 S6	80 oct. WNW blkd.
Ford (Skowhegan, Me)	1 NNW	230	15	Emerg. use only.
Fort Kent (Me)	0.8 N;riv W	600	10	Lgt planes only
Franconia Arpk (N.H.)	2 SE		20	Data unver.
Fryeburg Arpk (Me)	1.3 E;RR S	400	26 S4	80,91 oct.P-line SSW;trees NW.
Greenlaw (Auburn, Me)	1.8 W;hwy S	238	16 S6	80 oct. Bldg S.
(P) Greenville (Me)	2 ENE	1750	30h L3 S6	80 oct.Lgts prior req.
Green's (Island Falls, Me)	2.3 SSW	710	13 S1	80 oct. P-line,trees S,N.
→ HOULTON Range (Me)	272(HJ)(116.1)	195°,3.1	BMRLZ-DTV	(4); 116.1.Manned (7-23)
(P) [Houlton] (Me)	2.5 E;hwy N	493	57h L5 S6	80 oct. ESE blkd.
→ Jackman (Me)	See Newton Fld under "New Facilities"-name changed.			
Keeseville (N.Y.)	1.4 S;riv WNW	490	20	Pole W.
Lake Placid (N.Y.)	2 SE;RR NW	1750	21 S1	80 oct.
Lemington-Colbrook (Vt)	3.8 SSW;hwy E	1030	18 S4	80 oct.
Lewis (Littleton, N.H.)	2.5 E;RR S	900	22	80 oct.
Livermore Falls (Me)	1.3 SE;riv W	300	10	Lgt planes only.
Maheux (Minot, Me)	3.5 NNW	720	21 S6	80 oct.
(P) Malone-Dufort (N.Y.)	2 W; RR N	790	40h S1	80 oct.ARPT OF ENTRY.
Marcy (Keene, N.Y.) (NC)	2.5 S;hwy E	1000	18	Mtn N, S.
Mars Hill (Me)	1.2 NNW	435	17 S4	80 oct.
MASSENA Range (N.Y.)	108.7 (ME)		VARW	
(P) [Massena] (N.Y.)	2.2 E;riv SE	200	40h L4 S6	80 oct.Trees WSW,NNE. ARPT OF ENTRY.
MILLINOCKET Range (Me)	344(MT)(116.1)	292°,1.6	SBRAZ-DTV	(4); 116.1
(P) Millinocket (Me)	0.5 SE	404	51h L5 S4	80,91 oct. Lgts prior req.
MONTPELIER Range (Vt)	257 (UV)	230°,2.8	MRLWZ	(Barre-Montpelier)
Moscone's(Mallawamkeag, Me)	4 NNW;riv W	210	15	
Nelson's (Bridgewater, Me)	0.7 NW	450	8 S4	80 oct.Lgt planes only.
Newport (Me)	1.5 ESE;hwy N	280	21	NW blkd.
→ Newport (Vt)	3 SSW;RR E	930	40h L2 S6	80 oct.All lgts on req.
Norridgewock (Me)	3.7 W;riv 1 W	270	40h	
Northland (Presque Isle, Me)	5.5 N;hwy E	685	15 S1	80 oct.
Norway (Me)	1 N; RR S	387	14 S5	80 oct.P-line SE.Trees E.
(P) Ogdensburg (N.Y.)	1.5 SE;RR W	285	30 S6	80,91 oct.Obsts sur fld. AIRPORT OF ENTRY.
Old Town (Me)	1.8 NNW;riv NE	109	40h L3 S6	80,91 oct.No bndry lgts.
(P) Pittsfield (Me)	0.8 SSE	190	40h S6	80 oct.
Pittston (Me)	1.8 ENE;hwy S	140	11 S2	80 oct.Trees ESE;hill WNW
(P) [Plattsburg, mun.] (N.Y.)	3.4 WSW;riv SW	375	50h L5 S1	80,91 oct.Fld lgts on req.
Point Hill (St. Albans, Vt)	3.5 W;bay E	155	14 S4	80 oct. Wires ESE.
Prairie Arpk (Brownville Jct,Me)	5 N; road SW	422	19 S4	80,91 oct. Wires SE.
PRESQUE ISLE Range (Me)	368 (ZQ)	189°, 3.4	SBRAZ-DT	(4)
PRESQUE ISLE AAF Tower (Me)	278 (126.18)		AC (ILS-W)	(4);118.7,122.5,116.1,126.1
→ PRESQUE ISLE AAF Range (Me)	365 (RU)	9°,3.6	SBMLZ	(4)
(A) [Presque Isle AAF] (Me) (A)	1.5 WNW;RR E	529	68h L6 S4	91,100 oct.ARPT OF ENTRY
Princeton (Me)	1.5 SSE;hwy NE	250	40h S4	
Rangeley (Me)	1.6 NNW;hwy S	1810	15	
Raymond's (Phillips, Me)	0.8 S;riv E	556	18 S4	80 oct.Trees ESE;hill WNW
Reagan (Norwood, N.Y.)	1.8 WSW;riv E	330	18 S1	80 oct.
Robbins (Hudson, Me)	2.7 SW	365	18 S1	80 oct.
Rockland (Me)	3 SSE;road NE	49	45h L5 S6	80,91 oct.Trees ENE,WSW
Rollins Fly. Svc. (Turner, Me)	2.5 NNW;rd E	335	20 L S2	80 oct.Flare pots on req.P-line NNE.
Rumford (Me)	2 SSE;riv NW	615	22 L S4	80 oct.Wires NW
St. Croix (Baring, Me)	0.5 E;hwy N	95	19 S1	80,91 oct.NNW blkd.Flares
(P) [Saranac Lake] (N.Y.)	5.3 NW;RR NW	1655	40h L2 S4	80 oct. Lgts prior req on req
Snow (Bradford, Me)	0.3 WNW;pond S	270	12 S1	80 oct in Bradford.
→ Snowman's (Ashland, Me)	1.2 NW;riv E			ABANDONED
Stewart (Massena, N.Y.)	2.1 SE;RR NE	210	20	CLOSED.
Sunnybrook (Clayton, N.Y.)	3.4 S;hwy E	390	18 S1	80 oct. ESE blkd.
Swasey's (Enfield, Me)	1.5 WNW;RR S	240	17	P-lines NE, ESE.
Tomlinson (Skowhegan, Me)	1 NNE;riv 1.5 S	240	21 S6	80 oct. P-line W,NW.
Tupper Lake (N.Y.) (NC)	1 E;riv SE	1680	14	Use strips.P-line W.Rough.
Twin Mountain (N.H.)	0.8 SW;riv N	1430	18 S4	80 oct.
Twitchell's (Turner, Me)	4.8 SSE;riv E	350	14 S6	80 oct. Trees WNW.
(P) [Waterville] (Me)	1.8 SW;riv E	303	39h L5 S6	80,91 oct.Fld lgts prior req
Webb's (Patten, Me)	1 NNW;hwy E	650	14 S4	80 oct.
Weston (Madison, Me)(NC)	1 N;riv,0.8 W	300	19	WSW blkd.Emerg. use.
Westport (N.Y.)	2 S;RR W	285	22 S2	80 oct.
White Mountain Air Term.	3 ESE; RR N	1050	22 S1	80 oct. (Whitefield,N.H.)
White Mountain (No.Conway,N.H.)	1.9 SSE;RR W	495	20 S6	80 oct. Trees NW.

INSTRUMENT LANDING SYSTEMS

(Localizer, Glide Path in mcs, Compass Locator in kcs)

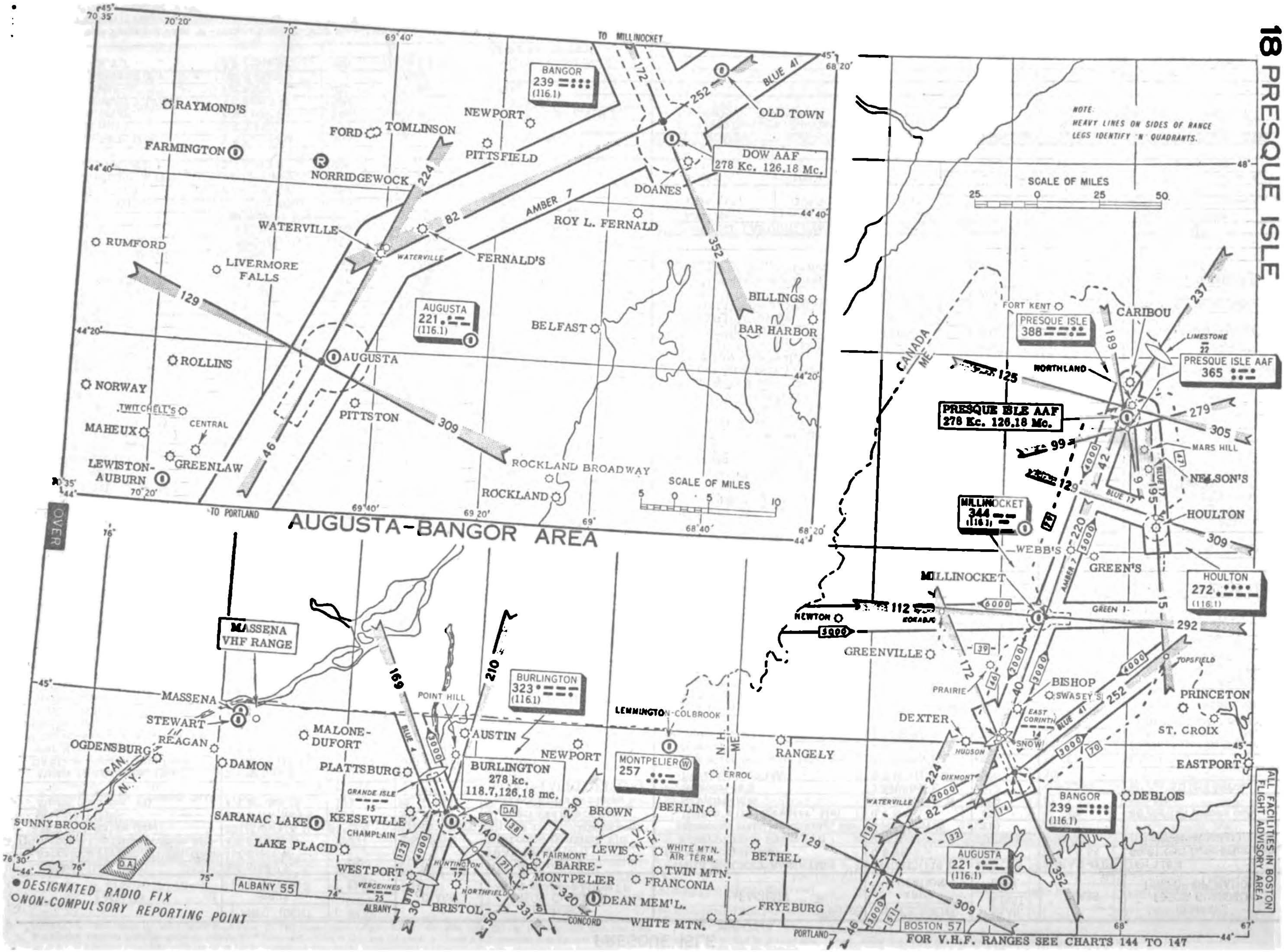
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
DOW (L6)	109.9		153°	IM-	MM- •—•— (0.81)	OM- ——(4.60)
					MMK-	OMK-
PRESQUE ISLE AAF	109.9		8°	IM- ••••••(0.06)	MM- •—•— (0.85)	OM- —— (4.47)
					MMK-201	OMK-219

NEW FACILITIES

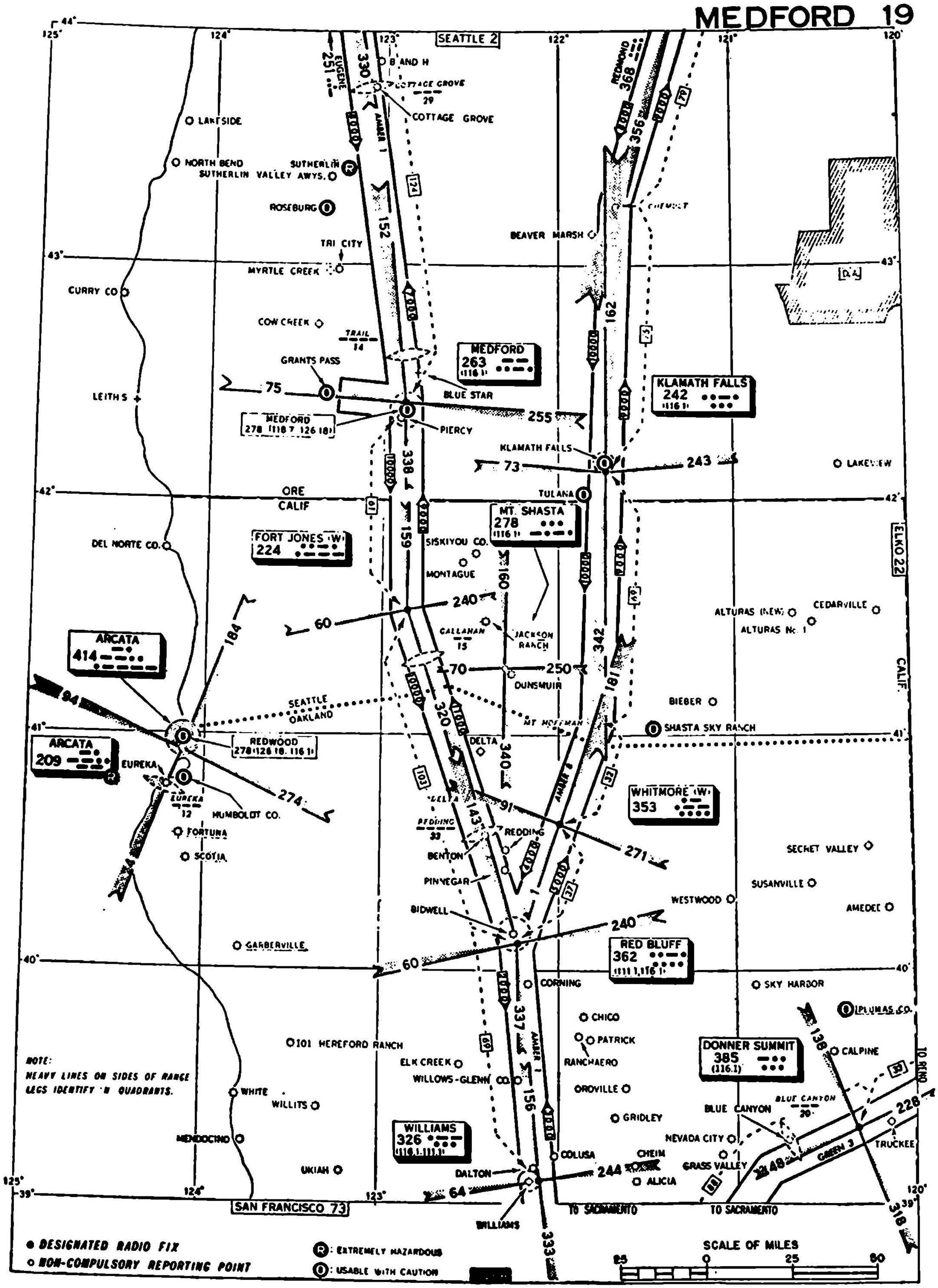
Rockland Broadway(Rockland,Me)	0.8 SSW	60	19 S4	80 oct.
→ Newton Fld(Jackman,Me)	0.2 E;riv N	1170	22 S4	80 oct.E blkd.Trees W.

RADIO: S – Simul. Range and Voice. **W – Without Voice.** Z – VHF Range Station **Location Marker.** (3) – 3105, **4495,** 6210 kcs. (4) – 3105, 4495, **6210, 3117.5 kcs. Parenthetical** Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice **on 116.1 and 111.1 mcs. + – Army A.C.S.** transmits on and guards **116.1, 127.65, 149.55 mcs.** ◆ **A.A.C.S.** Scheduled Broadcast on 4765 kcs. (First Figure **is Scheduled time. Second Alternate time)**

AIRPORTS: h – hard surfaced runways. **L – Lighting facilities. S – Servicing** (see page XIII) → New or revised data. [Jones] – Airline Stop. **N. B. Radio facilities are all CAPITALIZED.** Airports are indented and non-capitalized.


AUGUSTA-BANGOR AREA
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.
SCALE OF MILES
BANGOR 239 (116.1)
DOW AAF 278 Kc. 126.18 Mc.
AUGUSTA 221 (116.1)
PRESQUE ISLE 388
PRESQUE ISLE AAF 365
PRESQUE ISLE AAF 278 Kc. 126.18 Mc.
MILLINOCKET 344 (116.1)
HOULTON 272 (116.1)
BURLINGTON 323 (116.1)
BURLINGTON 278 kc. 118.7,126.18 mc.
MONTPELIER 257
AUGUSTA 221 (116.1)
BANGOR 239 (116.1)
MASSENA VHF RANGE
RAYMOND'S
FARMINGTON
NORRIDGEWOCK
FORD
TOMLINSON
NEWPORT
PITTSFIELD
OLD TOWN
DOANES
ROY L. FERNALD
WATERVILLE
FERNALD'S
RUMFORD
LIVERMORE FALLS
ROLLINS
NORWAY
TWITCHELL'S
CENTRAL
MAHEUX
GREENLAW
LEWISTON-AUBURN
PITTSTON
ROCKLAND BROADWAY
ROCKLAND
BELFAST
BILLINGS
BAR HARBOR
TO MILLINOCKET
TO PORTLAND
OVER
FORT KENT
CARIBOU
LIMESTONE
NORTHLAND
CANADA
ME
MARS HILL
NELSON'S
HOULTON
WEBB'S
GREEN'S
MILLINOCKET
NEWTON
GREENVILLE
PRAIRIE
BISHOP
SWASEY'S
EAST CORINTH
SNOW
DEXTER
HUDSON
DIXMONT
TOPSFIELD
PRINCETON
ST. CROIX
EASTPORT
DEBLOIS
WATERVILLE
AUGUSTA
BETHEL
FRYEBURG
PORTLAND
BOSTON 57
MASSENA
STEWART
REAGAN
OGDENSBURG
CAN.
N.Y.
SUNNYBROOK
DAMON
MALONE-DUFORT
PLATTSBURG
POINT HILL
AUSTIN
NEWPORT
GRANDE ISLE
SARANAC LAKE
KEESEVILLE
CHAMPLAIN
LAKE PLACID
WESTPORT
VERGENNES
ALBANY
BRISTOL
HUNTINGTON
NORTHFIELD
FAIRMONT
BARRE-MONTPELIER
CONCORD
DEAN MEM'L.
WHITE MTN.
LEWIS
BROWN
BERLIN
WHITE MTN. AIR TERM.
TWIN MTN.
FRANCONIA
LEMMINGTON-COLBROOK
ERROL
RANGELY
N.H.
VT.
ALBANY 55
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
FOR V.H.F. RANGES SEE CHARTS 144 TO 147

MEDFORD 19


SEATTLE 2
EUGENE
251
330
B AND H
COTTAGE GROVE
29
COTTAGE GROVE
AMBER 1
LAKESIDE
NORTH BEND
SUTHERLIN
SUTHERLIN VALLEY AWYS.
ROSEBURG
TRI CITY
MYRTLE CREEK
CURRY CO
COW CREEK
TRAIL
14
GRANTS PASS
75
LEITH S
MEDFORD
278 (118.7 126.1)
BLUE STAR
255
PIERCY
MEDFORD
263
(116.1)
152
124
REDMOND
368
356
79
CHEMULT
BEAVER MARSH
162
KLAMATH FALLS
242
(116.1)
KLAMATH FALLS
73
243
LAKEVIEW
TULANA
ORE
CALIF
42°
43°
DEL NORTE CO.
FORT JONES (W)
224
159
SISKIYOU CO.
MONTAGUE
MT. SHASTA
278
(116.1)
ELKO 22
338
160
240
60
CALLAHAN
15
JACKSON RANCH
70
250
DUNSMUIR
ALTURAS (REW)
ALTURAS No. 1
CEDARVILLE
ARCATA
414
184
94
SEATTLE
OAKLAND
41°
ARCATA
209
EUREKA
REDWOOD
278 (126.1) 116.1)
274
EUREKA
12
HUMBOLDT CO.
FORTUNA
SCOTIA
320
DELTA
340
MT HOFFMAN
BIEBER
SHASTA SKY RANCH
103
32
WHITMORE (W)
353
DELTA
REDDING
33
BENTON
PINYEGAR
BIDWELL
143
REDDING
271
SECRET VALLEY
SUSANVILLE
WESTWOOD
AMEDEE
240
60
GARBERVILLE
RED BLUFF
362
(111.1,116.1)
40°
CORNING
SKY HARBOR
PLUMAS CO.
337
CHICO
PATRICK
RANCHAERO
OROVILLE
DONNER SUMMIT
385
(116.1)
CALPINE
138
TO RENO
BLUE CANYON
20
BLUE CANYON
GRIDLEY
228
TRUCKEE
101 HEREFORD RANCH
ELK CREEK
WILLOWS-GLENN
156
WHITE
WILLITS
MENDOCINO
WILLIAMS
326
(116.1-111.1)
UKIAH
NEVADA CITY
COLUSA
CHEIM
GRASS VALLEY
ALICIA
GREEN 3
248
DALTON
244
64
SAN FRANCISCO 73
WILLIAMS
TO SACRAMENTO
TO SACRAMENTO
318
333
39°
125°
124°
123°
120°
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Alicia (Marysville, Calif)	3.2 SSE; RR W, E	63	60h L5 S6	80, 91 oct.
(P) Alturas (new) (Calif)	6.8 WNW	5034	63h	
Alturas #1 (Calif)	1 W; RR S	4391	30 S6	80,91 oct. P-line N, NE, SW, NW.
(A) Amedee Flight Strip (Calif) (A)	4 SE; RR N	4007	70h	
ARCATA Range ((Redwood)	209 (NZM)	4°, 3.0	MRL	(3) (Calif) Priv. rng.
ARCATA H Fac. (Redwood)	414(NZ1)	310°, 0.15	H	(4); Z marker 200' from SE end Rnwy 31. Priv. H
(For ILS see Redwood)				
Ash Creek, USFS (McCloud, Calif) (NC)	11.2 ENE	3850	30	Closed Dec.-May. Trees SE, NW.
B & H (Creswell, Ore)	3.3 SSW; RR E	620	18 S6	80 oct. Trees NNE.
* Beaver Marsh Int, 73, RV-ND (Ore)		4630	54 L3	6.2 mi SSW Chemult
Benton Arpk (Redding, Calif)	1.1 WSW; riv 1 E	719	25 L3 S6	80, 91 oct. Wires N.
Bieber (Calif)	1 NE; riv W	4155	33	Soft in winter.
(N) Bidwell (Red Bluff, Calif)	1.7 SSW; RR 1 E	354	40h L5 S4	80, 91, 100 oct. Fld lgts on req. Wires E, W.
* Blue Canyon Int, 13, SF-SL (Calif)	1.1 NNE; hwy NW	5280	34 L3	Wires N, NE. RR E
Blue Star Arpk (Eagle Point, Ore)	4.5 N; hwy E		20 S2	Data unver.
Calpine (Calif)	1 SE; rd N, E	5000	29 S1	91 oct. P-lines NE.
Cedarville (Calif)	0.6 S; hwy E	4260	26 S2	91 oct. P-line E. W blkd.
Cheim (Marysville, Calif)	1.5 NE; hwy S	67	30 S6	80, 91 oct. Wire SW. Levee N, NE. P-line WSW, WNW. Closed to public.
Chester, USFS (Calif) (NC)	1.5 SSW; hwy NW	4525	31	
(P) Chico (Calif.)	5 N; hwy E	237	67h L5 S6	No flood or boundary lgts.
Colusa (Calif)	1.2 SW; RR W	47	29 S4	80 oct. P-line NNW.
Corning (Calif)	1.3 NE; RR W	300	22 L1 S6	80 oct.
Cottage Grove (Ore)	1.9 S; riv S	640	22 S1	80 oct.
* Cow Creek Int, 37B, SF-SA (Ore)	2.5 ENE Glendale	1429	24 L3	Creek S.
(P) Curry Co. (Denmark, Ore)	3.8 WSW	214	51h L5	All lgts prior req.
Dalton Com. (Williams, Calif)	1 ENE; RR SW	65	26 S6	80, 91 oct, S, W blkd. Soft.
(P) Del Norte Co. (Crescent City, Calif)	2.5 NW; ocean W	57	50h L1 S1	80, 91 oct
* Delta Int, 22, SF-SA (Calif)	1 SW; RR, hwy N	1320	18 L3	800-1000' mtns E, W.
DONNER SUMMIT Range (Calif)	385(DS)(116.1)		BMRL-DTV	(4); 116.1
Dunsmuir, 25B, SF-SA (Calif)	4.5 N; RR W	3240	30 L3 S2	80, 91 oct. Poles E, N lgtd.
Elk Creek (Calif)	0.7 SSE; hwy W	725	16 S1	80 oct. Obst sur fld.
[Eureka] (Calif.)	2 W; bay E	20	24h L1	
FORT JONES Range (Calif)	224 (FJ)		SRAWZ	
Fort Jones (Calif) (NC)	1.5 NW; rd NE	2745	30	P-line NW.
Fortuna (Calif)	2.9 SSE; hwy W	356	31 L S6	80, 91 oct. Trees NE. RR W
Garberville Arpk (Calif)	1 SW; riv, rd SE	480	12 S1	80 oct. Trees N, S.
Gasquet (Crescent City, Calif)	13 ENE; hwy S	390	25	Hazardous-bad appch. USFS
Grants Pass (Ore)	1.6 N; RR W	1050	27 S6	80, 91 oct. Poles N. (NC)
Grass Valley (Calif)	0.8 W; hwy N	2600	18 S1	80, 91 oct. Trees sur fld. P-line NE.
Gravelly Valley, USFS (Upper Lake, Calif) (NC)	20 N; lake S	2000	49 S2	No fuel. Road crosses NE/SW strip. Trees NE, SE, NW
Gridley (Calif)	0.7 ENE; hwy E	97	26 S1	80, 91 oct. P-line N, S.
Hayfork, USFS (Calif) (NC)	1.2 E; hwy N	2350	30	P-line W. Mtns E. Clsd to public.
Humboldt Co. (Eureka, Calif)	3.6 ENE; hwy N	10	18h S6	80, 91 oct. Poles NW.
Illinois Valley Landing Field (Cave Junction, Ore)(NC) USFS	4.3 SSW; riv 1 E	1350	43	Trees NNE.
Jackson Ranch (Weed, Calif)	3.7 NW; lk NNE	2975	33	Trees S.
KLAMATH FALLS Range (Ore)	242(FS)(116.1)	342°, 2.7	SBRAZ-DTV	(4); 116.1
[Klamath Falls] (Ore)	4.9 SSE; RR NE	4085	71h L5 S5	80, 91, 100 oct. Fld lgts on req
Lakeside (Ore)	0.3 NE; RR S	20	25	P-line S. Ctn-hazardous.
Lakeview (Ore)	3.5 SW; RR E	4728	53h S6	80, 91 oct.
Leith's (Gold Beach, Ore)	Adj W	16	23 S1	80 oct. Data unver.
MEDFORD Range (Ore)	263(MF)(116.1)	158°, 2.4	SBRAZ-DTV	(3); 116.1
MEDFORD Arpt Tower (Ore)	278 (126.18, 118.7)+		AC	(4); 126 18, 118.7, 122.5
(A,N) [Medford] (Ore) (NATS)	3.2 N; RR E	1329	54h L5 S4	80, 91, 100 oct.
Mendocino (Little River, Calif)	2.5 SE	572	53h S4	80, 91 oct.
Montague (Calif)	1 W; hwy S	2520	32 L3 S6	80, 91 oct.
MOUNT SHASTA Range (Calif)	278(SC)(116.1)	116°, 2.2	BMLZ-DTV	(4); 116.1
Myrtle Creek Int, 39A, SF-SA (Ore)	4 SW; riv, RR W	640	25 L3	Hill S, N. Emerg. only.
Nevada City (Calif)	1.5 NW; rd S	3060	26 S4	80 oct.
(P) North Bend (Ore)	1.2 WNW; riv N	4	50h L5 S6	80, 91 oct. Trees SSE, SW, NNW.
101 Hereford Ranch (Laytonville)	1 S; hwy E	1635	18 S1	80 oct. (Calif)
(P) Oroville (Calif)	3 SW; riv E	199	60h L5 S2	80, 91 oct. Port rnwy lgts, prior req.
Patrick (Chico, Calif)	2 SSE; RR E	189	34 S6	80, 91 oct. P-line NW.
Piercy (Medford, Ore)	2.6 NW; hwy E	1250	20 S6	80, 91 oct. Poles SE.
Pinnegar (Anderson, Calif)	1 S; creek N	435	23 S1	80 oct. Cattle on fld. Hill SSE
Plumas Co. (Beckwourth, Calif)	0.8 ENE; RR SW	4900	36 S6	80, 91 oct. P-line SE, S, SW
Ranchaero (Chico, Calif)	2.2 WSW; riv W	170	22 S6	80, 91 oct. P-line S. Hwy NE
RED BLUFF Range (Bidwell)	362(FH)(vhf)	323°, 2.5	SBRAZ-DTV	(4); 116.1, 122.1 (Calif)
[Redding] (Calif)	7.5 SE; riv S	500	60h S2	80, 91 oct.
REDWOOD Tower (Calif)	278(126.18, 116.1)		CI (ILS-W)	(3); 116.1, 126 18 (8-17)
Redwood (Arcata, Calif)	7.6 NNW	217	60h L	Exten. exper lgtg CLOSED.
* Roseburg Int, 41A, SF-SA (Ore)	2.4 NNW; RR E	500	38 L3 S6	80, 91 oct. Hills N, NE, S.
Round Valley (Covelo, Calif)(NC)	0.7 SW; hwy E	1385	30	
Scotia (Calif)	1.5 SSE; RR N	120	25 S1	80, 91 oct. ESE blkd. Riv S.
* Secret Valley Int, 52, RV-ND (Calif)	4 SE	4435	50	Day use only
(P) Shasta Sky Ranch (Fall River Mills, Calif)	1 N; hwy E	3300	33 S6	80, 91 oct. Soft. P-line W, SSW, E, ENE, S.
(P) Siskiyou Co. (Montague, Calif)	4.3 NE; RR W	2647	73h L5	
Sky Harbor (Quincy, Calif)	2.5 E; hwy S	3400	24 S2	80, 91 oct. Poles S.
Susanville (Calif)	6.5 SE; hwy SW	4150	32 S6	80, 91 oct. Pwr line N.
Sutherlin Sky Ranch (Ore)	3.8 ENE; rd E, S	575	18 S1	80 oct.
Tri-City (Riddle, Ore)	3.5 NE; RR N, W	700	19 S1	80 oct. P-line N, S.
* Truckee Int, 16B, SF-SL (Calif)	3.6 ENE; RR S	5820	34 L1	Snow Dec.-April.
Tulana (Worden, Ore)	1 S, RR NW	4080	37 S6	80 oct. Pwr line NNE.
(P) [Ukiah] (Calif)	1 S; RR E	612	40h L5 S6	80, 91 oct. Fld lgts on req. Wires NNW.
Weaverville, USFS (Calif) (NC)	1 SSE; hwy E	2040	22	30' poles S. Closed to public.
Westwood (Calif)	1.5 W; hwy N	5100	22	
White (Ft. Bragg, Calif)	1 NNE; ocean W	72	15 S4	80, 91 oct. SE, NW blkd.
WHITMORE Range (Calif)	353 (AWH)		MRLWZ	
WILLIAMS Range (Int.)(Calif)	326(WS)(vhf)	244°, 2.2	SBMRAZ-DTV	(4); 116.1, 122.1
Williams Int, 9, SF-SA (Calif)	4 S; road N	139	42 L3	Mtns W. N/S strip soft when wet.
Willits (Calif)	1.3 ENE; rd S	1356	18 S1	80 oct. Trees E. P-line W.
Willows-Glenn Co. (Calif)	1.3 WSW; RR E	130	45h L1 S6	80 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
REDWOOD (Arcata)	109.5	332.6	312°	IM- (0.14)	MM- ····· (0.66)	OM- ——(4.5)
					MMK-	OMK- 404
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Sutherlin Val'y Arways (Sutherlin, Ore)	1.0 WSW; RR E	550	25 S2	80 oct. Trees, hill S.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

ELKO

RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Air Term.)	350(BE)(vhf)	SBRAZ-DTV; 110° 2.5	(3);116.1,122.1
BOISE AIR TERMINAL	278(126.18) (118.3)	AC	(4);126.18,118.3,122.5
EAGLE FM	(- - - -)	FM, 301°, 11.5	Boise
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise

NEVADA

BATTLE MTN.	281(BP)(116.1)	BMRLZ-DTV, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-DTV, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SRAWZ; 219°, 2.9	
HUMBOLDT (Int.)	209(HD)(116.1)	BMRLZ-DTV 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-DTV 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno

NEW RADIO FACILITIES

HUBBARD (Reno)	278	CI	(4)(5-20 Wed,Sat,Sun; 8-16 other days.)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker;(3)-3105, 4495, 6210 kcs;(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IDAHO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW			ABANDONED
Boise Airpark	1.8 WNW;hwy W	2660	25 S6	80 oct.Right traffic when land. to NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
(P) Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE.
Emmett	2.6 SW, RR NW	2300	28 S6	80 oct.Trees WNW.
Floating Feather (Eagle)	2 E;riv 1.5 S	2635	39 S6	80 oct.Trees SW,hill NE.
(P) Glenns Ferry	1.3 WSW;RR N	2556	34 S1	Ltd 80 oct.
GOWEN (Boise)	See Boise Air Terminal under "New Arpts"-name chg.			
(A) Mountain Home AAF	10.7 WSW	3004	100h	TMP INACT NO FACS
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
Parma	0.6 SSE;RR NW	2225	26 S1	80 oct.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

NEVADA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Austin OLF	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3 S1	
* Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	52 S6	80,91 oct.Mts N,hill W
(P) ELKO-KEDDIE	1.8 W,RR S	5066	62h R1 L5 S4	80,91,100 oct.Hills SE.
* Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
(N) Fallon	6 SE,hwy S	3931	70h L5 S4	80,91 oct.
HUBBARD (Reno)	3.4 SE;hwy W	4404	64h R2 L5 S4	80,91 oct.
* Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	3980	24 S4	80 oct.Poles ENE,WSW
(P) " Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	37 S4	80,91 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
→ Orovada (NC)	1.2 W,hwy E			ABANDONED
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fld CLOSED
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	50 L S6	80,91 oct.Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct. P-line W,SE.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

[redacted]

Alkali Lake Flgt Strip	7.5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	23.9 SW;hwy E	4050	60h L	Emerg only.
Vale	1.2 SSW;rvr E	2250	23 S2	80 oct. P-line NE.

NEW AIRPORTS

(NG) BOISE AIR → TERMINAL, (Idaho)	4.5 SSW	2858	77h R2 L5 S6	80,91 oct. Ltd 73,100 oct;minor repairs for NG.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted → NEW OR REVISED DATA

22 ELKO

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS
O USABLE WITH CAUTION

SPOKANE 3
MEDFORD 19
SALT LAKE CITY 23
FRESNO 77 | LAS VEGAS 79

VALE ○
NYSSA ○
PARMA ○
CALDWELL ○
ROE-DAVIS ○
BURNS
ALKALI LAKE
D.A
ROME
RITCHEY ○
FLOATING FEATHER
EMMETT
BAKER
EAGLE
BOISE AIRPK.
BRADLEY
BOISE
350
(111.1, 116.1)
BOISE AIR TERM
MOUNTAIN HOME
MOUNTAIN HOME AAF
GLENNS FERRY
BURLEY
272
ORE
IDA
NEV.
ONTARIO ○
SEATTLE
SALT LAKE CITY
OAKLAND
WINNEMUCCA COM.
WINNEMUCCA
BATTLE MOUNTAIN
BATTLE MOUNTAIN FLGT STRIP
BATTLE MOUNTAIN
281
(116.1)
ELKO
391
(116.1)
CARLIN
ELKO
WENDOVER
HUMBOLDT
209
(116.1)
LOVELOCK COM.
LOVELOCK ○
BUFFALO VALLEY
GREEN
RENO
254
(116.1)
RENO SKY RANCH
RENO
AAB
HUMBOLDT
FALLON
WADSWORTH
FERNLEY
SPARKS
LAHONTAN
LAHONTAN FLGT. STRIP
HUBBARD
278
FALLON
230
AUSTIN OLF
CARSON CITY
DONNER SUMMIT
YERINGTON
NEV
CALIF
MILES
STATUTE
NAUTICAL

SALT LAKE CITY 23

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓞ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

GREAT FALLS 6

ST ANTHONY
REXBURG
SIGNAL MOUNTAIN
TETON PEAKS -DRIGGS
JACKSON
IDAHO FALLS 359 (116.1)
ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA
FRIEDMAN
CAMAS CO
GOODING 215 (116.1)
FLYING BAR'S
ALBERT
ADKINS
BURLEY 272 (116.1)
BILLY ANDREW
GOODING
JEROME
TWIN FALLS
BURLEY
ROBERTS
DUBOIS
IDAHO FALLS
SHELLEY
POCATELLO
HAYFIELD
POCATELLO AAF
ABERDEEN
UNIVERSITY
POCATELLO 257 (111.1, 116.1)
AMERICAN FALLS
POCATELLO VHF RANGE
MALAD CITY 314 (116.1)
AFTON
IDAHOME
STREVELL
MALAD CITY
MONTPELIER
BEAR LAKE CO.
COKEVILLE
PRESTON
IDAHO
NEV
SAN JACINTO
STREVELL 335 (116.1) On request
LUCIN 302 (116.1)
TREMONTON
LOGAN-CACHE CO.
HILLCREST
CORINNE 23
KEMMERER
FORT BRIDGER 382 (111.1, 116.1)
OGDEN 263 (116.1)
BRIGHAM
HINCKLEY 284 KC
HUNTSVILLE 19
EVANSTON CITY
GREEN 3
LUCIN
PROMONTORY POINT
OGDEN ARPK.
HILL AAF 396 KC 126.18 MC
LAYTON 18
BOUNTIFUL
EVANSTON
FORT BRIDGER
WENDOVER AAF 201 KC 126.18 MC
LOW
TIMPIE 37
GRANTSVILLE
SALT LAKE NO. 2
MIDVALE
ALTA
SALT LAKE CITY NO. 1 278 KC 118.3 MC
UTAH CENTRAL
KNOLLS
SALT LAKE CITY 227 (111.1, 116.1)
WENDOVER 248
TOOELE
RIVERTON 20
FAIRFIELD
DUGWAY AAF
PROVO
SPANISH FORK
FAIRFIELD 362 (111.1, 116.1)
NEPHI
CARBON CO.
MT. PLEASANT
DELTA 212 (111.1, 116.1)
MANTI-EPHRAIM
DELTA
SALINA-GUNNISON
YEL LAND
LAS VEGAS 79
WINSLOW 81
TO KING HILL
ELKO 22
TO ELKO
NEV.
UTAH
D.A.
STATUTE MILES
IDAHO
WYO.
ROCK SPRINGS 26
TO ROCK SPRINGS
TO MILFORD
OVER

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272(BX)(116.1)	SBRAPZ-DTV;200°,2.7	(4);116.1,122.1
GOODING (new)	215(GG)(116.1)	BHTV	(4);116.1,122.1
IDAHO FALLS (Mun.)	359(IF)(116.1)	SBMRAZ-DTV;192°,2.6	(4);116.1,122.1
MALAD CITY (Int.)	314(WT)(116.1)	SBRAZ-DTV;131°,3.4	(4);116.1
POCATELLO	257(PO)(vhf)	BMRLZ-DTV;56°,2.5	(4);116.1,122.1
STREVELL	335(TV)(116.1)	MHPV	(4);116.1

UTAH

CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
→ DELTA	212(VZ)(vhf)1)	SBRAZ-DTV, 7°, 3.6	(4);116.1,122.1
FAIRFIELD (Int.)	362(JL)(vhf)	BMRLZ-DTV,2°,4.4	(4);116.1,122.1
HILL,(Ogden)	396 (126.18)+	CA	(4),4220;126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-DTV;156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-DTV,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
→ ROBERT H.HINCKLEY(Ogden)	284	CI	(4) (6-2230)
SALT LAKE CITY	227(SL)(vhf)	SBRAZ-DTXV;163°,2.9	(3);116.1,122.1
Salt Lake City Arpt. #1	278 (118.3)	C (ILS-W)	(4); 122.5,118.3,126.18
TIMPIE FM	(- - -)	FM, 246°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 2.2	(3);126.18

WYOMING

FORT BRIDGER (Int.)	382(HM)(vhf)	SBRAZ-VDT.228°.2.4	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SALT LAKE CITY	110.3 ·-· ·--·	335	343°	IM-	MM- ·--· (0.71)	OM- -- (4.69)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW;canal F	4460	32 S6	80 oct.
Albert (Richfield)	5.2 NE,RR W	4400	23 S1	Ltd 80 oct. Hills N,S,W
American Falls	2 NE,RR NW	4404	39 S6	80 oct. S blkd.
Arco (NC)	1.5 ESE;RR SW	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE;rd S	5928	57h	
Buhl (NC)	5.7 W;hwy E	3690	41 S1	80 oct.
(P) Burley	1.3 ENE,RR SW	4149	41h R1 L5 S6	80,91 oct. Pole line WNW.
Camas Co. (Fairfield)	0.8 SW;RR,hwy N	5065	31 S1	80 oct. P-line E.
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	80 oct.
(P) Friedman (Hailey)	0.8 S,RR E	5300	52 S1	80 oct.
(P) GOODING	3.5 WSW,hwy N	3730	49h R1 L5 S6	80,91 oct.
← Gooding (old)	4 SSW			ABANDONED
(P) IDAHO FALLS	2 NW;riv E	4730	52h R1 L5 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4420	21 L5	
Jerome	3.3 ENE	3980	31 S1	80 oct.
(P) MacKay (NC)	0.8 SE,RR NE	5900	30 S2	80,91 oct.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4503	50h L3	73 oct.
Montpelier	0.6 NNE,RR WSW	5965	30 S1	73 oct. Mtn NE

h-hard surfaced runways. R-radio facilities L-lighting facilities S-servicing. (See page XIII) NC-(not charted) → NEW OR REVISED DATA

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
POCATELLO	5.8 NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 WNW	4445	84h	TMP INACT NO FACS
Preston	1.7 WNW,riv W	4800	28 L S6	80 oct, Flood lgt on req.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
St. Anthony	1.1 SSE,RR W	4965	40 S6	80 oct. SW blkd.NE bldg.
* Strevell Int, 10, SL-PO	0.3 NNW	5270	31 R1 L2	Emerg only.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	40 S6	(NC) 91 oct. Trees N
(P) Twin Falls	6.5 S;Canal S	4200	40 S6	80,91 oct. Strips only-wet weather.
University (Ham's)(Pocatello)	1 ENE,hwy W	4550	35	Hills N,S. Emerg only.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	31	P-line SE, trees NW Emerg only.

NEVADA

* Ventosa Int,48,SF-SL	0.5 N,RR S			ABANDONED
* Wells Int,46B, SF-SL	1.5 S,rd W			ABANDONED.
Yelland (Ely)	3.5 NNE;RR W	6258	60h S6	80,91 oct.

UTAH

Alta Arpk (Sandy)	2.3 E,RR W	4800	30 S6	80,91 oct. Hwy W.
Bountiful Sky Haven	2.6 WSW	4222	38 S4	80 oct. P-line S,NW.
Brigham	3 NW,RR S	4220	37 L4 S6	80 oct. P-line S. Wires W.
→ [Carbon County](Price)	2.8 E,RR W	5800	58 S6	80 oct. Use strips only.
Delta	4.8 ENE,	4755	61h R1 L5 S3	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE;hwy W	5700	55 S2	80 oct. P-line NW, W. Use strips only.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
Hillcrest (Logan)	2.7 NE,RR W	4780	27 L S6	80,91 oct. Port flood lgts.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	30 L3	
→ LOGAN-CACHE CO.(Logan)	4 NNW,RR E	4460	53h L5 S6	80 oct.
Low Flight Strip	11.8 W,hwy S	4241	71h	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4414	54 R1 L3	
Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	35 S4	80 oct.
Midvale	3 WSW;RR NW	4500	20 S4	80 oct P-line SE. Ctn when wet.
Mt. Pleasant	1.5 SSW,RR NW	5857	48 S6	80 oct. Trees NE. Use strip only.
Myton (NC)	1 E,riv N	5090	31	Stay on strips.
Nephi	2.5 NW	4800	48 S2	80 oct. Soft when wet
Ogden Airpark	4 S,hwy NE	4700	52 S6	80 oct. P-line NE. Fence S.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	on fld.
(P) ROVO	2.8 WSW;lake W	4490	70h L5 S6	80,91 oct. Fld lgts prior req. Cattle
(NG) SALT LAKE No. 1	5 WNW;hwy S	4222	55h R3 L6 S6	80-100 oct. Rdo rec rqrd. Ltd 100 oct,
Salt Lake No. 2	10.5 SSW,RR W	4617	56h S6	80,91 oct. 2-ech maint NG.
Spanish Fork	2 NW,RR SE	4560	42 S6	80,91 oct.
Tooele (NC)	1.4 WSW,RR W	4985	32 S4	80,91 oct. P-lines N,NW.
Utah Central(Salt Lake City)	4 SW;hwy N	4240	37 S4	80 oct. Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4240	81h R2 L5 S6	73,91,100 oct. IP-1.

WYOMING

Afton	0.3 SW,hwy E	6239	29	N blkd.
Big Piney (NC)	2 N;hwy E	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
Evanston City	3.6 SSW	6800	30 S4	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
(P) Jackson	9 N,riv W	6400	52	
* Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L2	
Signal Mountain (Moran)	2.3 S	6800	45	Mtn 2 mi N.

NEW AIRPORTS

Hayfield (Tyhee,Idaho)	2 SE;RR W	4600	31 S6	No sto.
Evanston, new (Wyo.)	0.5 NE;hwys S,W	6730	30 S3	80 oct. Pwrline W.
San Jacinto (Nev.)	0.2 NE;RR W	5200	47 S1	91 oct. Batt. lgts on req.
Tremonton, (Utah)	0.5 W;hwy S	4322	28 S1	80 oct. S blkd.
Andrew (Shoshone,Idaho)	2.5 E;hwy N	4000	25	Soft in spring.
Adkins (Richfield,Idaho)	4.5 SW;riv S	4150	17 S2	81 oct. Soft in spring.
Honesdale (N.Y.)	2 SE;riv S	920	25 S4	80 oct. Woods & hills E,W
Carbondale-Clifford (Clifford,Pa)	1.0 E;lk SE	1520	19	
Salima-Gunnison (Salina,Utah)	5.5 NNE;riv S	5100	35 S1	80 oct.
Teton Peaks,Driggs (Driggs,Idaho)	0.4 NE;RR W	6100	34 S1	80 oct. SW blkd.
→ Shelley (Idaho)	2.6 N;riv SE	4692	17 S1	80 oct. N,SE,SW blkd.

RADIO — COLORADO

LOCATION	FREQ. IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	BVAR-DTV	3105,3117.5;116.1,122.1
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	BVAR-DTV (ILS)	3105,4495,3117.5; 116.1,122.1

WYOMING

CASPER(Wardwell)	269(CW)(116.1,111.1)	SBRAZ-DTV;256°,2	(4);116.1,122.1
➢ CASPER AAF	396(126.18) +	CA	(3); 126.18
➢ DOUGLAS	251 (DQ) (116.1)	BHTV	(4);116.1,122.1
LARAMIE (Brees Fld)	245(LR) (116.1, 111.)	SBMRAZ-DTV 137°, 2.2	(4);116.1,122.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (mun)	290(RT)(116.1)	SBRAZ-DTV, 246°,2.8	(4);116.1.122.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-DTV, 80°, 1.7	(4);116.1.122.1
PARKERTON,WYO.FM	(-)	FM: 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WALKER	110.3 ·---·	335	110°	IM-	MM- ·-·-(0.69)	OM- --(4.52)
					MMK-	OMK-

S-Sisbel. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — COLORADO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	56 L1 S6	73,80,91 oct.
Glenwood Sprgs.	2 S	5900	31 S4	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
(P) Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
(P) WALKER (Grand Junction)	2.8 NNE;rd W	4842	54h L3 S6	80,91,100 oct.

UTAH

Roosevelt	1.3 NE;hwy S	5000	51 S2	80,91 oct. P-line NE,E,SE.
Vernal (new)	1 SSE;hwy N,E	5280	32 S6	80,91 oct. Use strips only.
Vernal (old)	7 ESE;riv 4 E	5200	34	Soft when wet.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➢NEW OR REVISED DATA

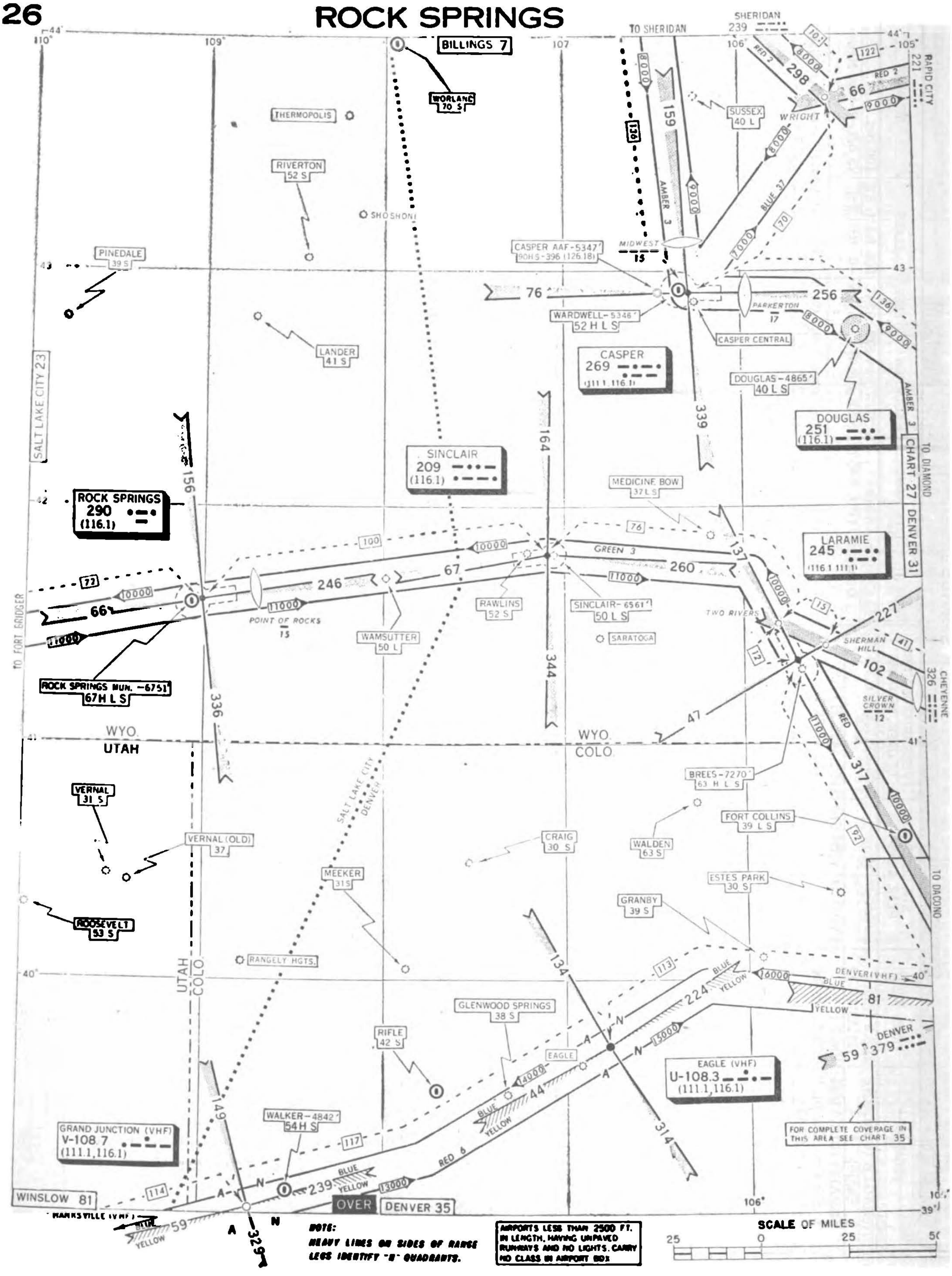
WYOMING

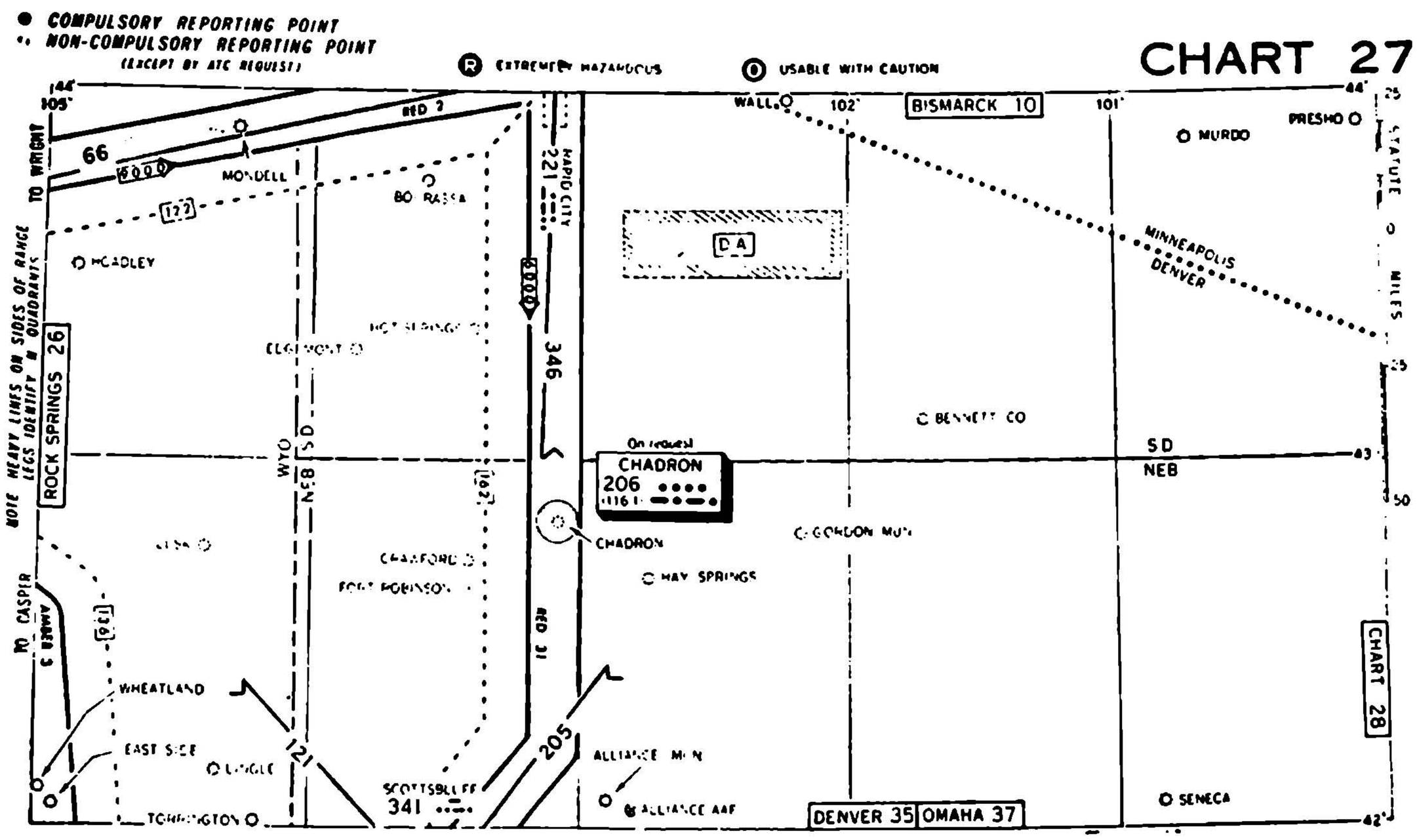
AIRPORT CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	90h R1 L S2	100 oct.
Douglas,11B,CX-GT	1.5 SE;RR W	4865	40 R1 L3 S2	73 oct. P-line NE.
General Brees (Laramie)	See Brees Field under "New Airports" - name changed			
Lander	1.5 S;riv W	5550	41 S2	80 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy N	7200	39 S1	80 oct.
Rawlins	2.3 NE;RR 1 S	6780	52 S4	80,91 oct.
(P) Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS MUN	8.8 E;RR N	6751	67h R1 L5 S2	80,91,100 oct.
➢Rock Springs (old)	3.8 NNW			(NC) ABANDONED
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3	
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	36 S1	80,91 oct. Hill SW.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR S	6812	50 L3	35 pole line SW
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,80,91 oct.
(P) Worland	2.5 S;canal NW	4185	68 S1	80 oct.

NEW AIRPORTS

Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S2	80 oct. Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW;riv E	6900	47 S1	80 oct. P-line ESE.
Eagle (Colo.)	4.5 WSW;RR N	6496	34	
Rangely Heights, (Rangely,Colo)	0.6 SE;riv N	5500	33 S1	80 oct. Hill adj SSW.
Brees (Laramie, Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Shoshoni (Wyo)	1 W;riv 2.5 W	4820	40 S4	80 oct. S blkd. P-line SE.
Laramie (Wyo.)	4 S;hwy W	7218	38 S1	Fuel.100' Stack NW.

ROCK SPRINGS

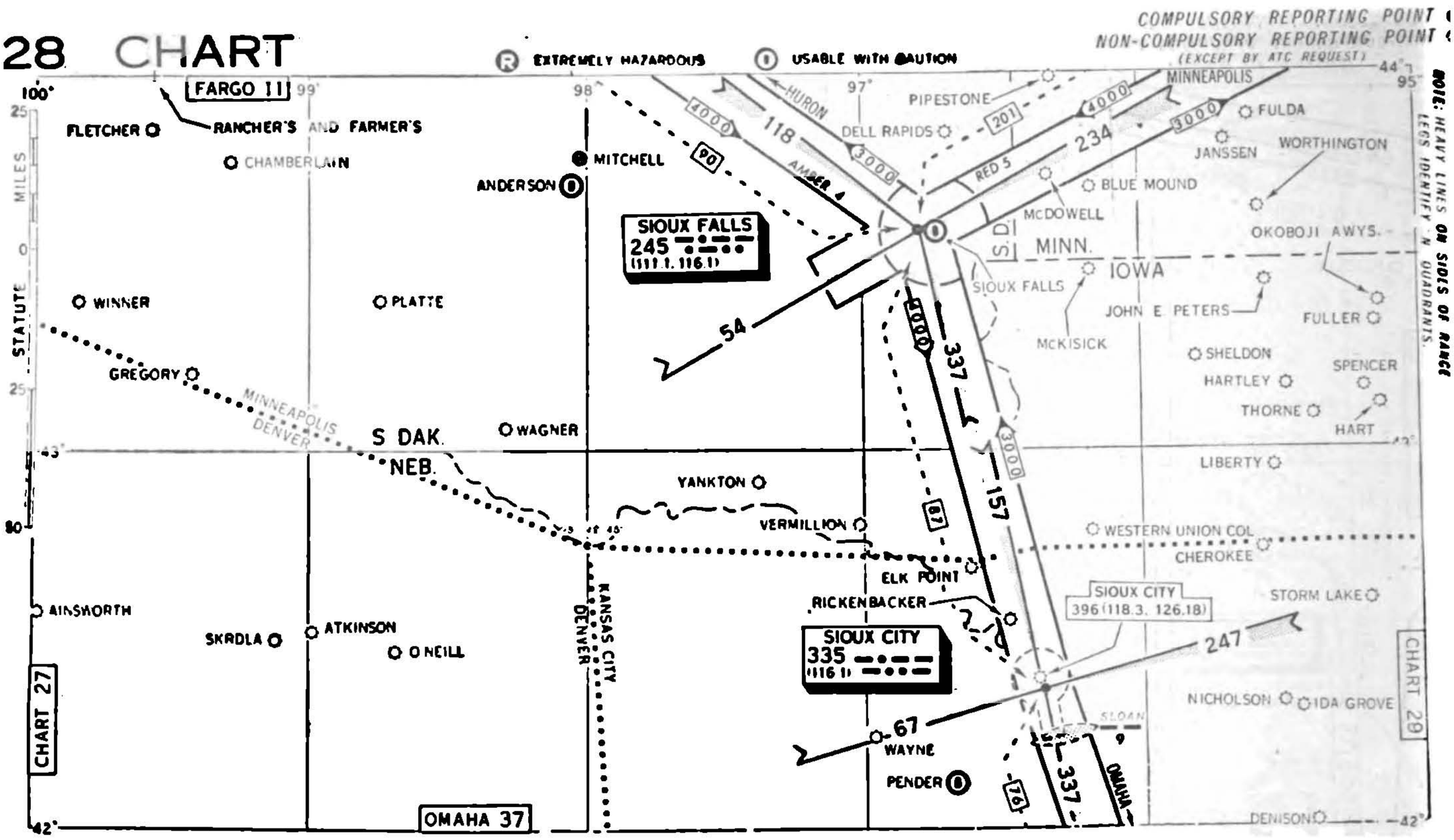




FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(A) Alliance AAF (Nebr) (A)	4.6 SE;RR N	3930	92h	CLOSED.
Alliance Mun. (Nebr)	2.8 SW;RR E	3965	53 S6	80 oct. Hwy E.
(P) Bennett Co. (Martin, S.D.)	4.4 SSE;riv N	3325	30 S1	73 oct. P-line sur fld.
Bourassa (Custer, S.D.)	1 ESE;hwy N	5301	30 S2	73 oct Poles W, NW.
CHADRON H Fac. (Nebr)	206(HC)(116.1)		MHTV	(4); 116.1
(P) Chadron, 15, CX-HR (Nebr)	4.8 W;hwy S	3312	45 L3 S4	73 oct.
→ Crawford (Nebr)	3.8 NNW;hwy E			ABANDONED
East Side (Wheatland, Wyo)	0.7 E;RR W	4750	23 S4	80 oct.
Edgemont (S.D.)	1.1 SW	3575	30 S2	73 oct.
(A) Fort Robinson (Nebr) (A)	2 S;RR N	3920	18	
Gordon (Nebr)	1.3 E;RR N	3549	34 S4	73,80 oct.Poles N,S,W.
Hay Springs (Nebr)	2.5 W;hwy E	3840	17 S2	80 oct. P-line N.
Hoadley (Dull Center, Wyo)	9.4 NE	4176	24 S1	73,80 oct.
(P) Hot Springs (S.D.)	5.5 SSE;riv N	3075	52 S2	73 oct.
Lingle (Wyo)	1.2 N,RR S	4200	30	P-line SE.
Lusk (Wyo)	2.9 E;RR S	5000	42 S1	80 oct. P-lines SE,S,NW,N.
Modisett (Rushville, Nebr)	2.4 NE;RR S	3475	30	Bldgs, p-line E
Mondell (New Castle, Wyo)	6.2 WNW;RR N	4260	36 S2	80 oct. P-line N,E.
Presho Mun. (S.D.)	0.8 NW;RR S	1800	22 S1	80 oct. Poles N,NW,S.
Seneca (Nebr)	2.2 NNW;riv S	3200	26 S1	Ltd 80 oct. Twr NNW. NW
(P) Torrington (Wyo)	3.4 S;hwy W	4350	40 S2	73,91 oct. P-line S,SE,SW,W
Valentine (Nebr)	1.5 SSE;hwy E	2579	18	Not maintained.Rough.Poles
(P; Wheatland,6,CX-GT (Wyo)	3.4 NNW;riv N	4648	46 L3 S6	73,80,91 oct.Rough NE
NEW FACILITIES				
Murdo (S.D.)	1 WSW;hwy E,S	2300	25 S1	80oct.NE,E blkd Use ctn.
Wall (S.D.)	0.5 NW;RR E	2800	33 S2	73 oct.NE,E,SE,S blkd

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (S) - 5765, 6455, 6210 kcs. (4) - 5765, 6455, 6210, 5117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (VHF) - Voice on 136.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 136.1, 257.65, 148.65 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. (Jones) - Airline Stop. N.B. Radio facilities are all CAPITALIZED
Airports are underlined and non-capitalized.



FACILITY	FREQ.. IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
Ainsworth, mun.(Nebr)	7 WNW;RR S			ABANDONED
Anderson(Mitchell,S.D.)	2.7 W;RR N	1393	20 S6	80 oct. Poles sur fld
Atkinson (Nebr)	1.4 SW;rlv NE	2109	22	Trees S.P-line E,SE, N, NW.
Chamberlain (S.D.)	3.4 SE;hwy N	1689	26 S2	73,80 oct. Poles N,NW.
Cherokee (Iowa)	1 S;RR W,S	1218	19 S1	80 oct
Dell Rapids Mun.(S.D.)	1.6 NE;RR SE	1450	20 S1	73 oct.
Denison (Iowa)	2.4 WSW;rlv SE	1200	20 S2	80 oct. Trees SSW.
Elk Point (S.D.)	2.4 E;rlv NE	1120	26 S2	80 oct. Poles N,NW.
Fletcher (Reliance,S.D.)	2 SE;RR NE	1600	20 S1	80 oct.
Fuller (Milford,Iowa)	0.7 NNW; hwy E	1440	36 S6	80 oct. Trees,poles E, W,S. Lake N.
Gregory (S.D.)	2.2 S;RR NE	2000	22 S2	73 oct. P-line E,SE.
Hart (Spencer, Iowa)	1.6 S;hwy N	1100	26 S4	80 oct. P-line NE,N.
John E. Peters (Ocheyedan, Iowa)	1.5 N;hwy S	1425	24 S2	80 oct. 25' p-line S.
Liberty (Sutherland,Ia)	2.1 WSW	1465	23 S6	80 oct. 35' p-line E RRW
McDowell (Luverne) Minn.)	8 NW;hwy W	1640	25 S2	80 oct.
McKisick (Rock Rapids, Iowa)	3 N;rlv W	1361	31 S4	80 oct. Trees W
(A) Mitchell AAF (S.D.)(A)	4 N;hwy E	1292	67h	CLOSED.
Nicholson (Ida Grove,Ia)	1.9 WSW	1120	20 S1	80 oct. RR N.
Okoboji Airways (Spirit Lake, Iowa)	2.8 SW;hwy E	1450	20 S2	80 oct. Poles NE
Pender (Nebr)	1 NE;RR SW	1400	22 S2	73 oct. P-line S,SE.
Pipestone (Minn)	1 SE;RR E,W	1735	25 S6	80, 91 oct. No sto.
Platte (S.D.)	1.2 NNE;RR SW	1650	28 S1	80 oct. Poles SE,S
Rancher's & Farmer's (Reliance, S.D.)	9 N;rd N,S		30 S1	73 oct. Data unver
Rickenbacker (Stevens, S.D.)	1 N;rlv E	1114	28 S6	80, 91 oct.
Sheldon (Iowa)	5 NNE;RR W	1444	33 S6	80 oct. P-line S,W,SW,SE
SIOUX CITY Range (Iowa)	335(YX) (116.1)	337°, 1.9	SBMRL2-DTV	(3);116.1,122.1
SIOUX CITY Tower (Iowa)	396 (126.18, 118.3)		AC	(4);126.18,118.3,122.5
(A) [Sioux City] (Iowa)	7 S;RR E	1097	69h L5 S4	80,91 oct.;91,100 oct.
SIOUX FALLS Range (S.D.)	245(YL)(vhf)	93°, 2.2	SBRA2-DTV	(4);116.1,122.1 mil actt.
(NG) Sioux Falls Mun. (S.D.)	2.5 NNW;RR E	1420	57h L5 S6	80,91 oct;73,100 oct,
(P) Skrdla (Stuart,Nebr)	7.5 S	2090	30 S1	73 oct. 3-ech maint NG
(P) Spencer (Iowa)	2.9 WNW	1335	40 S6	80,91 oct. RR S
Storm Lake (Iowa)	3.5 SSW;1k NE	1300	38 S2	80 oct.
Thorne (Moneta, Iowa)	2.5 S	1410	25 S2	80 oct. P-line,trees W.
Vermillion (S.D.)	3.8 WNW	1140	25 S4	80 oct. Poles N,RR NE.
Wagner (S.D.)	1.3 S;RR N	1464	30 S1	73 oct. Poles E,NW
(P) Wayne (Nebr)	1.8 E;RR N	1475	33 S4	80 oct. P-line NW,
(P) Western Union (Le Mars, Iowa)	1.3 SW;RR SE	1190	30 S6	80 oct Low obst
Winner (S.D.)	1.3 NE;RR SW	2038	26 S6	80,91 oct.
Worthington (Minn)	1.6 N	1570	32 S6	80 oct. No sto. Rot bcn in Iowa
(P) Yankton (S.D.)	2.3 N;hwy W	1400	37 S6	80 oct. Twr E
→ O'Neill (Nebr.)	2 NW;hwy N	2100	35 S6	80 oct. N,SE,S,SW blkd.
Janssen (Fulda, Minn)	5.5 SW	1500	21 S1	80 oct.
Fulda Mun (Minn)	0.5 NNW	1532	20 S4	80 oct. No sto. P-line S.
Hartley (Iowa)	7 SE,RR NE	1490	26	P-line SE.
Blue Mound Air Svc (LuVerne, Minn)	3 NNE;RR NW	1440	30 S2	80 oct
Ida Grove Flying Svc (Ida Grove, Iowa)	2.5 SE;RR N	1100	20 S2	80 oct.
Ainsworth Mun (Nebr)	7.5 WNW;RR N	2580	73h L5 S6	80,91 oct. No sto.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 km. (4) - 3105, 4495, 6210, 7117.5 km.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 118.1 and 111.1 mcs. ✦ - Army A.C.S. transmits on and guards 116.1, 127.55, 149.55 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

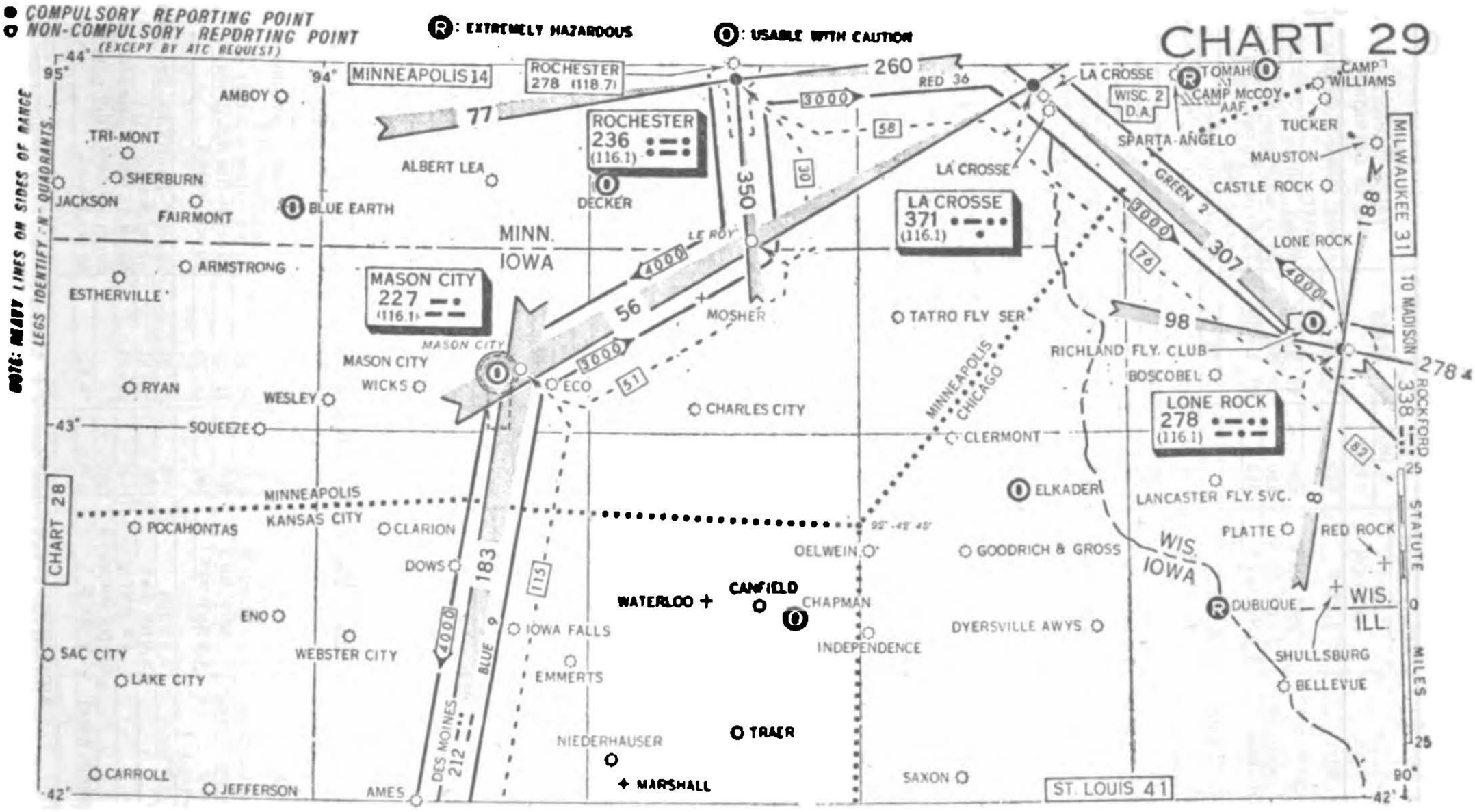
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

CHART 29



FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED, HRS OF OPERATION
(P) Albert Lea (Minn)	2.9 N,RR E	1255	32 S6	80 oct P-line N
Amboy (Minn)	1 NNE,RR W	1000	24 S2	80 oct
Ames (Iowa)	2.5 SSW,RR NW	920	25 S6	80 oct Lgt acft only
Armstrong (Iowa)	3.2 NW;hwy S	1250	22 S1	Ltd 80 oct Trees E.
Bellevue (Iowa)	3.1 N;riv E	652	18 S1	80 oct Hiwgh
Blue Earth (Minn)	3 S;RR E	1111	26 S1	80 oct Flares on req
(A) Camp McCoy (Wis)(A)	* SSW	830	.0	
(P) Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45a	
Canfield (Waterloo,Iowa)	3.5 NW;RR NE	800	32 S6	87 oct P-line N.
Carroll (Iowa)	4.2 ESE;RR N	1196	34 S2	80 oct
Chapman (Waterloo,Ia)	5 E;RR NW	870	33 S6	80 oct P-lines S
Clarion (Iowa)	1.1 NW	1162	27 S6	80 oct.
Clermont (Iowa)	0.8 S;riv W	800	21 S6	80 oct P-line SE,NE
← Conrad (Iowa)	3 WNW;RR S			ABANDONED.
Decker (Austin, Minn)	1.7 E;hwy N	1224	29 S6	80 oct No sto N,S,W
Dows (Iowa)	1.5 SSE;RR NE	1144	26 S2	80 oct.
(P) Dubuque (Iowa)	1.9 NE;riv E	602	27 S6	80,91 oct. Poles S,S
Dyersville Awys (Ia)	0.8 S;RR NE	940	16 S1	80 oct Pwr lines NW,
Elkader (Iowa)	1.1 ESE;RR S	916	19 S2	80 oct P-line NW (NE. Rwy data unver
(P) Emmerts (Eldora,Iowa)	2.8 NE;lk SW	1000	32 S6	80 oct Poles NW,SE
Eno (Ft. Dodge, Iowa)	2.5 E;hwy W	1126	27 S6	91 oct
(P) Estherville (Iowa)	3.5 E;hwy S	1268	36 L S6	80 oct Port rnwy lgts. Poles SE,SW
Fairmont (Minn)	3.1 S;hwy W	1190	25 L S1	80 oct P-line W Flares
Goodrich & Gross (Strawberry Pt,Iowa)	3.5 W;RR NE	1200	19 S1	Ltd 80 oct. on req
← Grundy Center (Iowa)	1.3 ENE;RR S			ABANDONED
← Henry's (Floyd, Iowa)	5 NNE;RR W	1110	14 S1	ABANDONED
Independence (Iowa)	4.1 W;RR E	990	23 S2	80 oct Poles N.
Iowa Falls (Iowa)	4.1 S;RR E	1140	24 S2	80 oct
Jefferson (Iowa)	0.8 NNW;RR S	1052	23 S6	80 oct No sto P-line N
LA CROSSE Range (Wis)	371 (LE) (116.1)	127°, 1.8	SBMLZ-DTV	(4); 116.1
(P) La Crosse (Wis)	5 NNW	653	53h L5 S4	80,91 oct. Bet rivs. No flood lgts
* La Crosse Int,23A, CG-Twin Cities (Wis)	8 NNW; RR NE	667	37 L3	Pole E
Lake City (Iowa)	3.5 NNE;RR S	1200	26 S1	80 oct.
LONE ROCK Range (Wis)	278 (LK) (116.1)	98°, 0.0	BMLZ-DTV	(4); 116.1
* Lone Rock Int,15,CG-Twin Cities (Wis) ←	2 N;rd W,N	714	39 L3 S2	80,91 oct. P-line NE

FACILITY	FREQ. IDENT. / ARPT LOCATION	BEAR & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
MASON CITY E Fac. (Ia)	227(MSN)(116.1)		BHTV	(4);116.1,122.1(cont.)
(P) Mason City (Iowa)	7 W;hwy S	1215	56h L5 S6	80,91,100 oct. Poles.
Mosher (Riceville,Ia)	1 W;hwy S	1263		80 oct. P-line S. SSE. Data unver.
← Niederhauser (Marshalltown, Iowa)	2.3 N;hwy E			ABANDONED
Pocahontas (Iowa)	0.8 E	1216	25	Pole line SW.
Red Rock (Darlington)	5 SE;RR E		12 S1	80 oct Data unver (Wis)
Richland Center (Wis)	6 SSE;hwy W		23 S1	80 oct Trees E,S Data
ROCHESTER Range (Minn)	236 (RR) (116.1)	350°, 2.6	BMRL2-DTV	(3); 116.1 unver.
ROCHESTER Tower (Minn)	278 (118.7)		C	(4); 118.7,122.3
Rochester Mun (Minn)	1.7 SSE;RR W	1040	43h L4 S6	80,91 oct P-line E,N
Ryan (Emmetsburg,Ia)	1.3 W,RR N	1225	18 S2	80 oct. Trees NW
Sac City (Iowa)	3 SSE;riv W	1160	19 S2	80 oct
Saxon (Cedar Rapids,Ia)	7 NE;hwy S	880	26 S6	73 oct. P-line N
Sherburn (Minn)	2 WNW,RRs S,E	1300	21 S2	80 oct. Pwr line ESE.
← Shullsburg (Wis)	1.1 S	1080	17 S6	80 oct. Trees SW.
Sparta-Angelo (Wis)	2.2 NE;RR E	800	25 S4	80 oct. Poles sur fld.
Squeeze (Algona,Iowa)	5 S;riv S	1201	26 S2	80 oct. P-line NW,W.
Tatro Fly Svc. (Decorah)	2.6 NW;riv W	918	26 S2	80 oct. (Iowa)
Tomah (Wis)	1 E;hwy S.	970	18 S4	80 oct. 180° hill E
Traer (Iowa)	1 ENE;RR SW	895	18 S2	80 oct P-line E
Tri-Mont (Triumph)	0.9 S;RR W,E	1250	24 S1	80 oct. (Minn)
(P) Waterloo (Iowa)	4 NW;RR S,E		54h L5 S1	80,91 oct Data unver No flood lgts
Webster City (Iowa)	3.3 SW;riv E	1100	26 S4	80 oct No sto
Wesley (Iowa)	1.5 E,RR N	1250	31 S1	80 oct P-line N,S
Wicks (Garner, Iowa)	1.8 NW;RR S	1230	26 S2	80 oct. Poles NW,SW
Jackson (Minn)	2 N	1440	28 S2	80 oct, P-line S
Charles City (Iowa)	3.3 E;RR S	1080	28 S2	80 oct. P-lines N,S,SW,NW.
Eco (Mason City,Iowa)	2.5 ESE;riv S	1215	26 S6	80 oct. P-line N,NW
Oelwein (Iowa)	3 W	1050	26 S6	80 oct. P-line N,W.
Niederhauser (Marshalltown,Iowa)	4 N;hwy E	900	32 S6	80,91 oct. No sto. P-line N,W.
Marshall Fld (Marshalltown,Ia)	3 E	890	86	80 oct. Data unver.
← Lancaster Flying Service (Wisc.)	1.8 SNE;RR NW	1110	24 86	80 oct. Fallen trees SE.
← Mauston (Lemonweir,	2 SW;RR N	880	15 S1	Wisc.) 80 oct. N blkd.
← Boscobel (Wisc.)	7 NE;RR S	670	27 S1	80 oct. Bluffs NNE,SE,NW.
Castle Rock (Wonewoc,	1.1 NNW;RR S	960	19 S1	80 oct. P-line NE,SW. (Wisc)
Tucker Fly. Service (New Lisbon,Wisc)	1.5 NNW;riv E	880	15 S1	80 oct. Trees E.
Platte (Platteville,Wisc)	3.1 S;RR E	1100	22 S2	80 oct. P-line NE,SW.

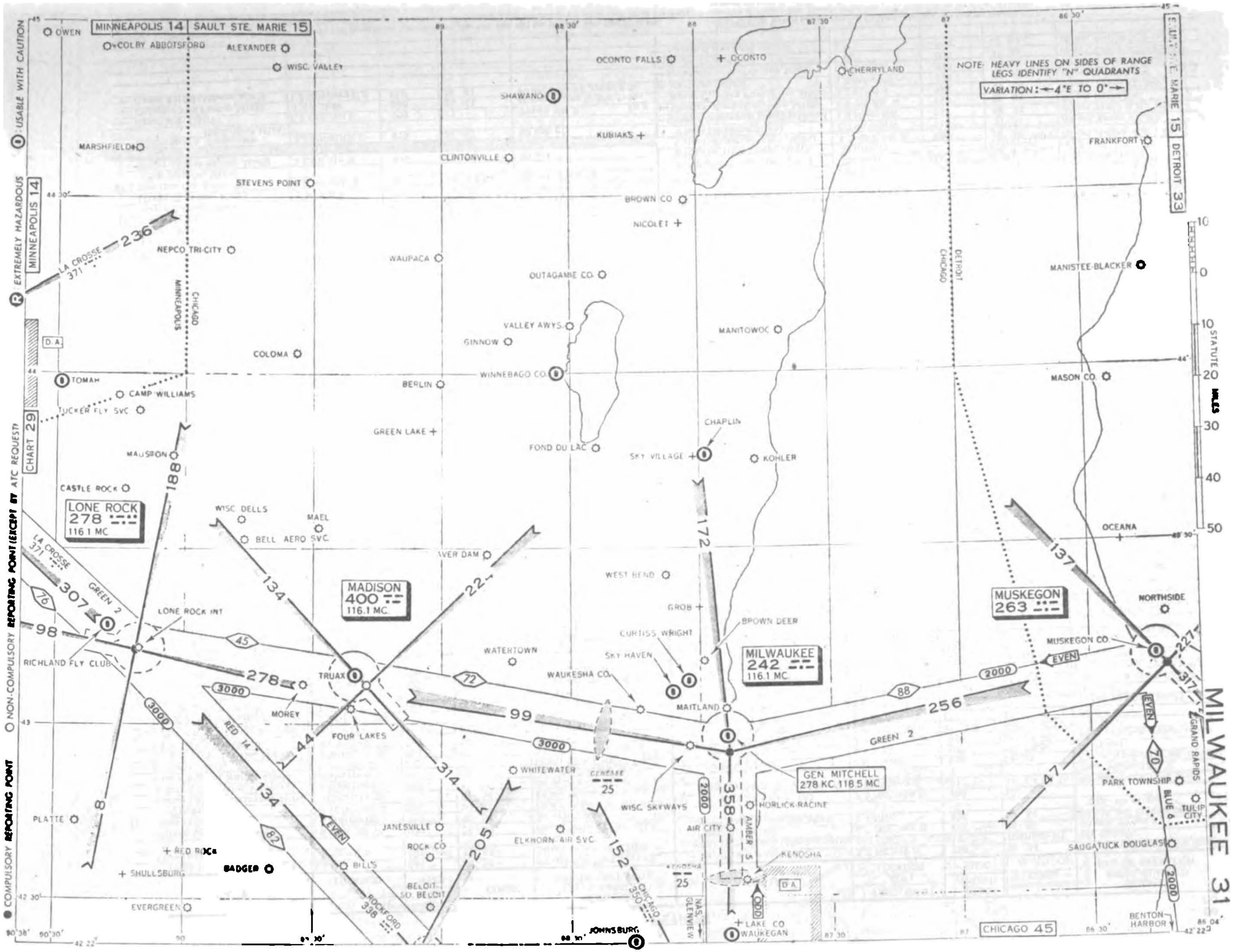
RADIO: S - Simul Range and Voice W - Without Voice L - VHF Range Station Location Marker. (S) - 3105, 6455, 6710 kcs. (W) - 3105, 6455, 6710, 31175 kcs. Parentheses Numbers in Frequency Column indicate VHF Voice refer - Voice on 126.1 and 121.1 mcs. + - Army A.C.S. transmits on and guards 126.1, 127.65, 140.85 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure in Schedule time, Second Alternate time)

AIRPORTS: L - Hard surfaced runways. L - Lighting facilities. S - Servicing (see page VIII) ← New or revised data. (Iowa) - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are underlined and non-capitalized.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Air City (Sturtevant, Wis)	0.6 SE;hwy N	633	26 S6	80,91 oct,P-line NW Const. on strips.
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct. Lgts prior req.
Badger (Monroe, Wis)	1.8 SW;RR N	1080	20 S4	80 oct. Fense S,W.Hwy E
Beaver Dam Inc. (Wis)	1.7 W;lake N,E	910	20 S4	80 oct.
Bell-Aero Service (Baraboo. Wis)	4 NNW;hwy W	980	21 S1	80 oct. N/S strip rough.
Beloit-S. Beloit (South Beloit. Ill)	1 S;RR E	772	33 S6	80,91 oct. Hill NE.
Bill's (Broadhead, Wis)	1.8 S;hwy S	780	24 S2	80 oct. SE blocked.
Brown Co,(Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct.E,ESE,SE blocked.
Brown Deer (Milwaukee,Wis)	10 NNW;RR E	681	25 S6	80 oct. P-lines N.
Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Chaplin Arpk (Plymouth,Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P) Clintonville (Wis)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blocked. Pwr line NE,SW, W.
Colby-Abbotsford(Colby,Wis)	1.2 NNW;RR E	1400	26 S2	80 oct.P-line NNE.
Curtis-Wright (Milwaukee,Wis)	9 NW;riv W	750	27 S6	80,91 oct.NE,E blkd.Hi-line N.
➝ East Side (Green Bay, Wis)	1.8 SE;RR S			ABANDONED
Elkhorn Air Service (Wis) [Warren,Ill.]	1.5 N;hwy E	1000	21 S6	80 oct. Rough and rolling. P-line E, W.
Evergreen Flying Club	1.4 SSE;hwy W	1000	26	PRIVATE
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct.P-line N,NE,N,SE blocked.
Four Lakes (Madison, Wis)	3 SSE;lake N	881	25 S6	80 oct. P-line W.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GENERAL MITCHELL Tower (P) [General Mitchell] (Milwaukee, Wis)	278 (118.5) 6 S;RR E	676	C 50h L4 S6	(4); 118.5, 122.5 80,91,100 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Roug.
Green Lake (Wis)	4 W;hwy S	960	22 S1	80 oct. Data unver.
Grob (Cedarburg, Wis)	2 N	875	24 S4	Data unver.
Horlock-Racine (Racine,Wis)	2 N;RRs E,W	665	25h L1 S6	80,91 oct.Trees N,SE.
Janesville City (Janesville, Wis)	1.8 NNE;RRs NW	880	26 S6	80,91 oct. 51' twr SE; P-line E.
➝ Jefferson (Wis)	1.7 WSW;riv E			ABANDONED.
Johnsburg Arpk (Ill)	0.4 SSW;riv S	740	20 S4	80 oct. P-line NNW.
Kenosha (Wis)	2 S;RR W	623	29 L S6	80,91 oct. Flood lgts. P-line SW, NW.
(P) Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct. SE blocked.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Data unver.
Lake Co. (Waukegan, Ill)	4.4 NNW	718	40 S6	80,91 oct. Data unver.
LONE ROCK Range (Wis)	278(LK)(116.1)	98°,0.0	BMLZ-DTV	(4); 116.1
★ Lone Rock Int.15.CG-Twin Cities (Wis)	2 N;rd W,N	714	39 L3 S2	80,91 oct. No flood lgts. P-line NE.
MADISON Range (Truax)(Wis)	400(MA)(116.1)	314°,2.6	BMLZ-DTV	(4); 116.1
Mael (Portage, Wis)	1.6 NW;lake SE	820	26 S6	80 oct.Obsts sur fld
Maitland (Milwaukee; Wis)	3 ESE;lake E	590	25 S6	73,80,91 oct.Stack S.
MILWAUKEE Range (General Mitchell)(Wis)	242(MK)(116.1)	352°,2.5	SBRAZ-DTV	(3); 116.1
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct. P-line W,SW, SSE.Bndry lgts inop.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 L S6	80 oct.Flare pots in emerg
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
Morey (Madison, Wis)	2 NNW;hwy S	928	33 S6	80 oct.S blkd.Trees NW.
MUSKEGON Range (Muskegon Co.) (Mich)	263(UK)	317°,2.8	BMRLZ-DT	(4)
(P) [Muskegon Co.] (Mich.)	3.5 S;lake N	627	40h L3 S6	80,91 oct.Bldg NE.Bndry lgts on req only.
Nor-co Tri City (Wis,Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts prior req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct. P-line E,W. Data unver.
Oconto Falls (Wis)	2.7 ENE;RR S	600	20 S2	80 oct. P-line N.
Outagamie Co. (Appleton,Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
Park Township (Holland, Mich)	3 WNW;bay S	612	27 L4 S6	73,80 oct. No ben. Lgts prior req.
Red Rock (Darlington,Wis)	5 SE;RR E		12 S1	80 oct. Data unver.
Richland Fly. Club (Sextonville,Wisc)	0.2 NW;riv W	764	24 S2	80 oct.Pole W. Trees N,SE.
(P) Rock Co. (Janesville, Wis)	4.5 SSW;RR W	807	54h L5 S2	80, 91 oct.
Saugatuck-Douglas (Douglas, Mich)	1.8 S;hwy W	670	26 S2	80 oct. W blkd.
Shawano (Wis)	2.3 ENE;lake NE	813	40 L S6	80,91 oct. Poles SW Lgts prior req.Rnwy data unv.
Shullsburg (Wis)	0.5 S	1000	18 S1	80 oct. Trees SW.Data unver.
Skyhaven (Milwaukee,Wis)	10.5 WNW;hwy N	800	25 S6	80 oct. P-line N. Trees E,S; hill W.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
(A) [Truax] (Madison, Wis)	5 NE;hwy E	859	60h L5 S6	80, 91 oct. ARMY TEMP INACT. CIVIL FACS.
Valley Airways (Neenah,Wis)	4 SSW;RR E	750	21 S2	80 oct.P-line E.Data unver.
Watertown (Wis)	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
Waukegan (Ill)	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Waukesha Co. (Wis)	1.8 N;hwy NE	904	31 S6	80,91 oct. S, NW blkd.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
➝ Waupun (Wis)	3.5 W;hwy SE			ABANDONED
West Bend Fly.Svc. (Wis)	2.5 E;riv S	880	21 L3 S6	80 oct Fld lgts prior req Poles sur fld.N,NE,NW.
Whitewater (Wis)	2 N;RR S	810	22 S5	80 oct. P-line blkd. ESE. E,ENE blkd.
(P) Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.No sto P-line NE N,W.Rnwy data unver.
Wisconsin Dells-Lake Delton (Lake Delton, Wis)	0.8 SE;riv NW	910	24 S6	80,91 oct.P-line SE.
Wisconsin Skyways (Hales Corner, Wis)	0.7 SSE;hwy W	770	21 S2	80 oct. Trees S.
Wisconsin Valley (Rothschild)	2 S;RR,hwy W	1230	30 S4	80 oct,P-line N,NW.
NEW FACILITIES				
Northside (Muskegon,Mich)	5.4 NNE	590	29 S4	73 oct.No sto Refinery SW.
Oceana (Rothbury, Mich)	1 2W;hwy E	700	30 S1	80 oct.
Oconto Mun. (Wisc)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver.
Tomah (Wisc)	1 E,hwy S	970	18 S4	80 oct.180' hill E
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy.
Castle Rock(Wonewoc,Wisc.)	1.1 NNW;RR S	860	15 S2	80 oct.P-line N,S.Trees W.
Tucker Fly. Service (New Lisbon,Wisc.)	1.6 NNW;riv W	880	18 S1	80 oct,Trees E.
Platte (Platteville,Wisc.)	3.1 E;RR	780	22 S2	80 oct,P-line NE,SW.Trees S,SE.
Coloma (Wisc.)	3.0 NW;hwy	1080	16 S2	80 oct,N,S blkd.
Berlin (Wisc.)	1.9 W;hwy S	780	20 S1	80 oct,SE blkd, P-line SW.
Owen (Wis)	0.7 NE;RR,hwy S	1270		80 oct.P-line N,NE,SW,W,NW.
Mauston (Lemonweir,Wisc)	2 W;RR N	880	15 S1	80 oct,N blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
➝ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED
Airports are indented and non-capitalized.


MINNEAPOLIS 14
SAULT STE. MARIE 15
DETROIT 33
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ←4°E TO 0°→
CHART 29
OWEN
COLBY ABBOTSFORD
ALEXANDER
WISC. VALLEY
MARSHFIELD
STEVENS POINT
CLINTONVILLE
SHAWANO
OCONTO FALLS
OCONTO
CHERRYLAND
KUBIAKS
FRANKFORT
BROWN CO
NICOLET
NEPCO TRI-CITY
WAUPACA
OUTAGAMIE CO
MANISTEE-BLACKER
VALLEY AWYS
GINNOW
MANITOWOC
COLOMA
TOMAH
WINNEBAGO CO
MASON CO
CAMP WILLIAMS
TUCKER FLY SVC
BERLIN
GREEN LAKE
FOND DU LAC
CHAPLIN
SKY VILLAGE
KOHLER
MAUSTON
CASTLE ROCK
LONE ROCK
278
116.1 MC
WISC DELLS
MAEL
BELL AERO SVC
OCEANA
MADISON
400
116.1 MC
WEST BEND
GROB
BROWN DEER
CURTISS WRIGHT
MUSKEGON
263
NORTHSIDE
LONE ROCK INT
WATERTOWN
SKY HAVEN
MILWAUKEE
242
116.1 MC
MUSKEGON CO
RICHLAND FLY CLUB
TRUAX
WAUKESHA CO
MAITLAND
MOREY
FOUR LAKES
GEN. MITCHELL
278 KC 118.5 MC
WHITEWATER
WISC. SKYWAYS
HORLICK-RACINE
PARK TOWNSHIP
GRAND RAPIDS
TULIP CITY
PLATTE
JANESVILLE
ROCK CO
ELKHORN AIR SVC
AIR CITY
KENOSHA
SAUGATUCK DOUGLAS
+ RED ROCK
+ SHULLSBURG
BADGER
BILLS
BELOIT-SO. BELOIT
EVERGREEN
LAKE CO
WAUKEGAN
NAS GLENVIEW
BENTON HARBOR
JOHNSBURG
CHICAGO 45
MILWAUKEE 31
LA CROSSE 371
CHICAGO 350
ROCKFORD 338
GREEN 2
RED 14
BLUE 6
AMBER 5
EVEN
ODD
D-A
3000
2000
STATUTE MILES
10
0
10
20
30
40
50

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abrams (Grand Ledge, Mich)	1.5 NE	844	26 S2	80 oct.S,W blkd.Trees E.
Allegan (Mich)	1.9 E; RR S	701	21 S4	80 oct.P-line SE.Trees NW.
Allen's (Pontiac, Mich)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW;SW blkd.
(P) Alma (Mich)	1.3 NE;riv SE	750	32 S4	80 oct. Tanks S
Au Gres (Mich)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW. NW blkd.
Austin Lake (Kalamazoo,Mich)	8.5 SSE;lake N	860	27 S4	80 oct. Poles N. Trees E,S,W
Aviation Co.Club(Galesburg)	1.8 WSW;lake S	800	19 S1	80 oct.Trees NE,NW. (Mich)
Baker's (Port Huron, Mich)	3 NNW;riv N,E	585	26 S6	80 oct. Poles NW,N,S,SW
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct.Trees NE blkd.
Bangor (Breedsville, Mich)	0.8 WNW;RR E	654	18 S4	80 oct.N blkd.Trees S
Barry (Saginaw, Mich)	3 WSW;riv S	599	19 S4	80 oct.
BATTLE CREEK Range(Kellogg)	272(JC)(116.1)	3°, 3.2	BMLZ-DTV	(4); 116.1 (Mich)
Beach (Charlotte, Mich)	1.8 ENE;RR NW	880	25 S6	80 oct.
Belding Fliers Inc. (Mich)	2.1 W;RR E	790	27 S6	80 oct.S blkd.Trees W,NE
BISHOP Tower (Mich)	278 (118.3)		C	(4); 118.3, 122.5
(P) [Bishop] (Flint, Mich)	4 SSW;hwy N	781	50h L5 S6	80, 91 oct. Trees N,NE
Brooks (Marshall, Mich)	1.3 S;hwy W	950	26 L3 S6	80 oct.P-line SW,W
CADILLAC H Fac.(Int)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac,23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
(P) [Capital City] (Lansing,Mich)	3.8 NW;RR S	857	42h L4 S6	73,80 oct.
Caro (Mich)	3 WSW;RR SE	741	22 S2	80 oct.S,SE blkd.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct.P-line N.
Croswell City (Mich)	1 W;RR,riv E	732	26 S1	80 oct. S blkd.
Dalton (Flushing, Mich)	2.2 E;riv 0.8 SW	735	26 S4	80 oct.N,S appchs blkd.
DETROIT H Fac (Mich)	338(D)	329°,2.2	MHW	(Cont.) Detroit
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-caution
Elsie (Mich)	0.3 SSE;RR NNE	730	19 S2	80 oct. Bldg W
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S
→ FLINT H Fac. (Mich)	335(FN)(vhf)		MHTV	(3);116.1,122.1
Forrest (Fostoria, Mich)	3.4 S;riv SE	830	24 S1	80 oct.P-line sur fld.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct
GLADWIN H Fac. (Mich)	257 (GU		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND RAPIDS Range (Kent Co)	329(GR)(116.1)	303°,2.0	BMRLZ-DTV	(4); 116.1 (Mich)
Grand River Arpk (Comstock Park, Mich)	0.4 SW;riv E	614	30 S2	Fuel & sto.P-lines S, N.
Greenville (Mich)	2.5 S;RR E	800	22 S2	80 oct.Poles W,NE,E
Harbor Beach (Mich)	2.5 W;rd S	670	20 L S2	80 oct.Floods prior req Poles SE,NE
Harrison (Mich)	2.3 NNW;hwy E	1100	26 S2	80 oct.S blkd.Ctn-rough.
Hastings (Mich)	3.2 WNW;RR SW	802	34 S6	80 oct.P-line N.Trees sur fld.
Houghton Lake (Houghton Hgts)	1.2 WNW;lk NNE	1150	27 S2	73,80 oct.Rdo twr W,N lgtd.
Howell (Mich)	0.8 N;lake E	930	20 L1 S1	80 oct.
Ionia (Mich)	3 S;hwy W	810	24 S6	80 oct. Poles W.
Jack Barstow (Midland,Mich)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct.Bcn prior req.(Mich)
JACKSON H Fac. (Mich)	257 (JN)		MHT	(4)
Jewett (Mason, Mich)	1.3 SE;RR W	920	22 S2	73 oct. Poles W.
Johnson's (Ithaca, Mich)	1 ENE;RR S	750	17 S2	80 oct. Ltd sto.
(P) [Kellogg] (Battle Creek,Mich)	3 WSW;RR bed W	936	62h L5 S6	80-100 oct.Lgts on req.
(P) [Kent Co.] (Grand Rapids,Mich)	3.5 S;RR NE	681	44h L3 S6	80,91 oct.Obst sur fld.Rdo
Lakeview (Mich)	1.1 NNE;lake S	900	19 S6	80 oct.Trees N,E,NW.Trep
LANSING Range (Capital City)	206(LJ)(116.1)	280°,3.0	SBMRAZ-DTV	(4);116.1 (Mich)
(P) Lapeer (Mich)	2.4 ENE;RR S	830	34 S6	80 oct.Poles NW;bldg W,SW
La Porte (W.Branch,Mich)	6 SE;RR W	890	26	P-line NW.Trees NE,SW.
Leach (Hartford, Mich)	1 NNW;RR E	664	26 S5	80 oct.
(P) Lindbergh (Kalamazoo,Mich)	3 W;RR W	872	40h S6	80,91 oct.P-line SE,S.
Maple Rapids (Mich)	0.7 ESE;riv N	760	21 S2	80 oct.Obst sur fld.Ctn soft.
Marks (Lawton, Mich)	1 N; RR S	770	25 S5	80 oct. Poles W, ENE.
(P) Mecosta Co.,5,GR-TG (Big Rapids, Mich)	1.5 NW;RR E	928	39 L3 S4	80 oct. Pole SE
Miller (Eaton Rapids,Mich)	1 ENE;riv W	908	21 S1	80 oct.
NEW FACILITIES				
→ Hutchinson's Sunnyside (Moorland,Mich)	3.2 WNW;RR S	675	20 S2	80 oct.
→ Grant Mun (Mich)	1.8 ESE,RR E	705	27	Trees NE,E. E,S.
→ Daunder Fld(Fenton,Mich)	1.5 N;lk W	890	26 S1	80 oct.P-line W,NW,trees
→ David Airfld (Athens,Mich)	1.3 SSW;hwy E,S	915	26 S1	80 oct.Poles E,trees S,W.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Mt. Pleasant (Mich)	2.2 NE;riv N	755	36 S4	80 oct.E,SE,SW,W,NW blkd.
MUSKEGON Range (Muskegon Co)	263 (UK)	317°,2.8	BMRLZ-DT	(4) (Mich)
Newaygo (Mich)	0.8 SSE;hwy W	785	20 S5	80 oct. Trees S.
Northside (Muskegon,Mich)	5.4 NNE	598	29 S4	80 oct. All appchs blkd. Ctn-use strips.
(A) Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Park Twnship (Holland,Mich)	3 WNW;bay S	612	27 L4 S6	80 oct.No bcn.Lgts prior req. Poles S,SE,W.
→ Paw Paw (Mich)	2 N;riv NE	720	24 S1	80 oct.Trees N,E,hill S,poles W
Pontiac (Mich)	6.4 WNW	970	21h L4 S6	80,91 oct.
(P) Reynolds (Jackson, Mich)	2.5 WNW;RR S	990	40h L5 S6	80,91 oct.P-line SE,S.Lgts on
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1 req
Roscommon (Mich)	2.5 SE;RR NE	1100	42	P-line S.
Roscommon Co.(Prudinville)	4.5 N;riv N	1150	24	Trees sur fld. (Mich)
SAGINAW H Fac. (Mich)	212 (SI)		MHT	(4)(cont)
Saginaw (Mich)	4.5 E;RR N,S	601	33 L4 S6	80 oct. Poles S,SE,SW. Lgts on req. Trees NW,NE
St. Clair Co.(Port Huron,Mich)	5.5 SW;hwy S	650	23 L1 S5	80 oct.Poles NE,SE,SW.
St. Helen (Mich)	0.9 SE;RR NE	1153	26	
Saugatuck-Douglas (Douglas, Mich)	2 S;hwy W		26 S1	73 oct. Data unver.
Secrest's (Davison, Mich)	4 WSW;RR N	780	20 S6	80 oct.N,NE blkd.
SELFRIDGE Army Range (Mt. Clemens, Mich)	388 (DLD)	119°,1.2	SBMRAZ	(3); 126.18
SELFRIDGE Tower (Mich)	396(126.18,137.88)+		CA (ILS-W)	(3);137.88
(A) Selfridge (Mt.Clemens,Mich) (A)	3 E;lake NE	583	60h L5 S6	73,100 oct.IP-1.Poles E. FOREIGN CLEAR.STN.
Shiawassee Co.(Owosso,Mich)	2 E;riv S;RR W	740	24 S2	80 oct. Poles sur fld.
→ Skyhaven (Saginaw,Mich)	2.5 N;riv E	600	28 S2	80 oct. Trees NE. N.
Sparta (Mich)	2.7 SE;RR W	752	25 S6	80 oct. Trees SE.
Timbers Sky Camp (S.Branch)	0.2 NE;riv E	950	24 S1	80 oct. (Mich)
(P) [Tri-City] (Saginaw,Mich)	10 NW;RR SW	660	57h	"SVC & L6 LGTS FOR PCA ONLY"
West's (Clio, Mich)	4 SW;rd E	690	21 S2	80 oct.
White Cloud (Mich)	0.5 N	872	18	Twr SE.P-lines NE,SW.
Wings (Utica, Mich)	2.5 SW;RR E	630	23 S1	73 oct.N,NE blkd.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs. Compass Locator in kcs)*

LOCATION	LC/LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SELFRIDGE (A)	109.5	332.6	184°	IM- (0.23)	MM- ••••••(0.83)	OM- — — (4.31)
					MMK-	OMK-
WILLOW RUN			50°	IM-	MM-	OM-
					MMK-341 — (0.65)	OMK-359 • — — (5.80)

NEW FACILITIES				
Utica (Mich)	2.7 WNW;hwy S	710	20 S1	Ltd 80 oct.P-line NW,SE Soft
Romeo (Mich)	2 ESE;lake E	730	30 S1	80 oct.N blkd.Poles W,RR N,W
(NG) Wayne Co. (Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct.1-ech main. NG. ARPT OF ENTRY.
(P) [Willow Run] (Ypsilanti)	4.5 E;riv S	715	74h L5 S1	RR N (Mich)
Anchor Bay (New Baltimore)	0.5 NNE	615	25 S2	80 oct Trees sur fld (Mich)
Armada (Mich)	3 NNE;RR 0.8 N	680	26 S2	80 oct S,W blkd Trees E
Bad Axe (Mich)	1.2 SW	760	22 S2	80 oct.P-line NE,SE Twr
Chesaning (Mich)	0.8 W;hwy NE	639	24 S1	80 oct.P-line E,S [NW
City of Fremont/Fremont,Mich	2.8 SW;RR NW	800	30 S1	80 oct Poles S,NW
→ Aero Manor(Millett,Mich)	1.4 E;riv NW	858	30 S5	80 oct.Poles NW,trees NE,NW.
Holly (Mich)	1 NW;lk E;RR S	913	20 S2	80 oct Trees NE,W,S
Iosco Co.(E.Tawas,Mich)	1 N;lake 0.5 N	597	19	P-line W
Knapp (New Hudson,Mich)	0.5 SW;RR SE	947	25 S1	80 oct N blkd
Lowell (Mich)	1.3 N;riv SE	700	18	Trees NW
McKay(Plainwell,Mich)	1.5 W;riv N	732	26 S2	80 oct Trees N,S,SW
Morgan's(Albion, Mich)	2.2 E;hwy N	965	21 S6	80 oct P-line N Trees NE,
Wesler (Gobles,Mich)	0.6 SSW;hwy E	690	24 S2	73,80 oct E blkd [S,SW. P-line N. Tree W
Tawas City (Mich)	1WSW;rd S	595	19 S1	80 oct,P-lines S,SE,SW
WINDSOR Range (Ont.Can.)	353(OG)	243°,3.3	SBRAZ-T	3105,6210,3117.5
WILLOW RUN Tower (Mich)	332(118.7)		C(ILS-W)	(4);118.7
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy W.
Wings (St.Johns, Mich)	2.7 SW;RR N	760	21 S1	80 oct,Trees SE,NE.
→ Otsego-Plainwell Mun(Plainwell)	1.5 N;riv NW	727	26 S2	80 oct.Poles E,S. Mich)
→ Ceadar-Rock (Edgerton,Mich)	0.8 SE;RR W	750	25 S1	80 oct.Poles SW.
→ Motor City Sky Park(Flint,Mich)	3.7 E;RR S	795	21 S1	80 oct.Trees NE,NW.
→ Marlette (Mich)	1.3 N;hwy W	825	18 S1	80 oct.Trees S,NW.
→ Sportmans (Pinconning,Mich)	1.7 ESE;riv N	592	27 S2	80 oct.Trees SW,NW.
→ Union City (Mich)	1 SW	900	27 S2	80 oct,Trees N,ENE,S.
→ Lamm (Litchfield,Mich)	2 N	957	22 S2	80 oct.P-line N,trees E.

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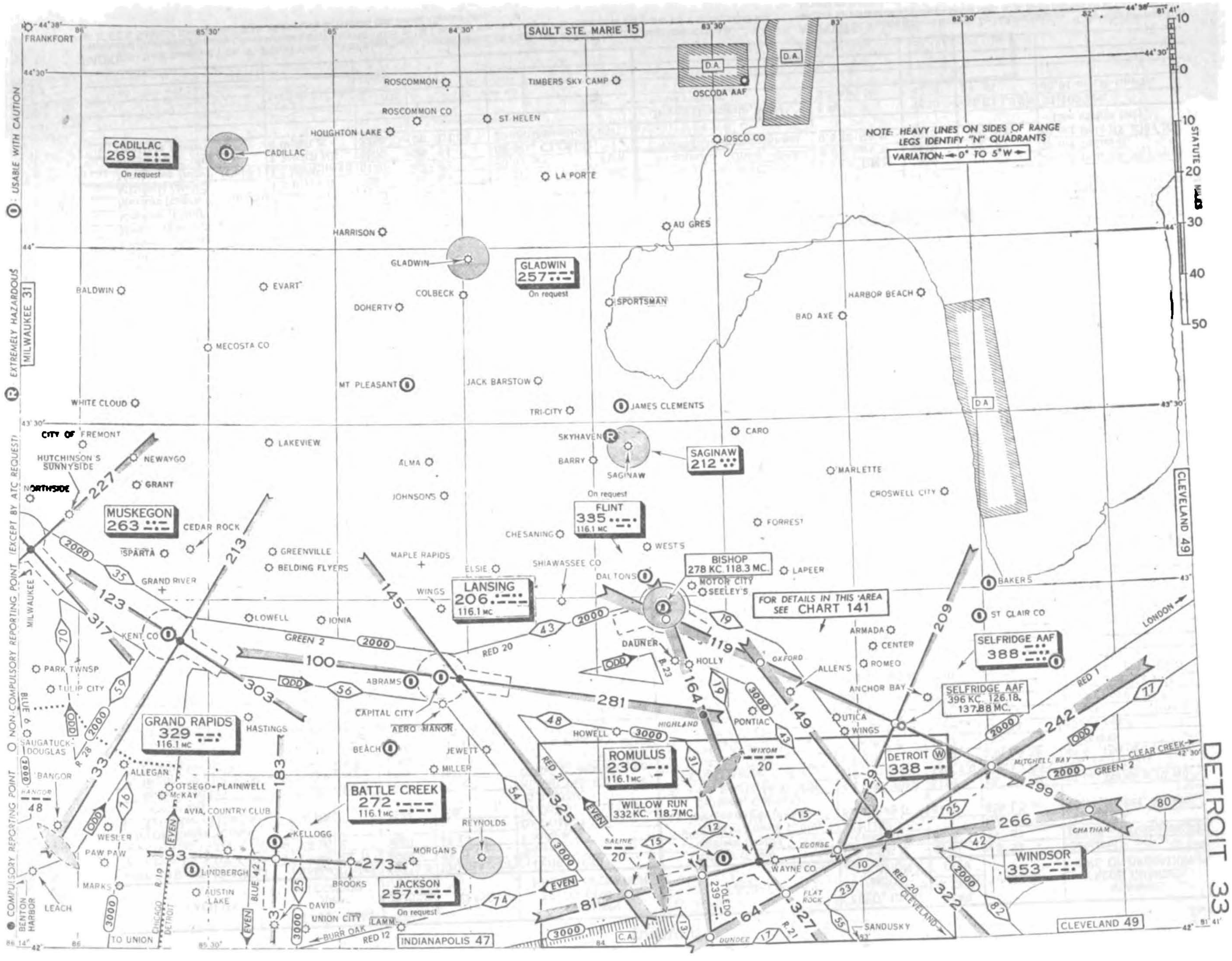
AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


SAULT STE. MARIE 15
FRANKFORT
ROSCOMMON
ROSCOMMON CO
HOUGHTON LAKE
TIMBERS SKY CAMP
OSCODA AAF
D.A.
ST HELEN
IOSCO CO
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 5°W
CADILLAC 269
On request
CADILLAC
LA PORTE
AU GRES
HARRISON
GLADWIN
GLADWIN 257
On request
BALDWIN
EVART
COLBECK
DOHERTY
SPORTSMAN
HARBOR BEACH
BAD AXE
MECOSTA CO
MT PLEASANT
JACK BARSTOW
WHITE CLOUD
TRI-CITY
JAMES CLEMENTS
CARO
CITY OF FREMONT
LAKEVIEW
SKYHAVEN
BARRY
SAGINAW 212
SAGINAW
On request
MARLETTE
CROSWELL CITY
HUTCHINSON'S SUNNYSIDE
NEWAYGO
GRANT
ALMA
JOHNSONS
FLINT 335
116.1 MC
CHESANING
FORREST
WEST'S
MUSKEGON 263
CEDAR ROCK
SPARTA
GREENVILLE
BELDING FLYERS
MAPLE RAPIDS
ELSIE
SHIAWASSEE CO
BISHOP 278 KC. 118.3 MC.
MOTOR CITY
SEELEY'S
DALTONS
LAPEER
BAKERS
LANSING 206
116.1 MC
WINGS
FOR DETAILS IN THIS AREA SEE CHART 141
LOWELL
IONIA
KENT CO
GREEN 2
RED 20
DAUNER
HOLLY
OXFORD
ARMADA
CENTER
ST CLAIR CO
SELFRIDGE AAF 388
ALLEN'S
ROMEO
PARK TWNSP
TULIP CITY
ABRAMS
CAPITAL CITY
AERO MANOR
ANCHOR BAY
SELFRIDGE AAF 396 KC. 126.18. 137.88 MC.
PONTIAC
UTICA
WINGS
GRAND RAPIDS 329
116.1 MC
HASTINGS
BEACH
JEWETT
MILLER
HOWELL
HIGHLAND
WIXOM
ROMULUS 230
116.1 MC
DETROIT W 338
SAUGATUCK-DOUGLAS
BANGOR
ALLEGAN
OTSEGO-PLAINWELL
McKAY
AVIA, COUNTRY CLUB
BATTLE CREEK 272
116.1 MC
KELLOGG
REYNOLDS
WILLOW RUN 332 KC. 118.7 MC.
MITCHELL BAY
CLEAR CREEK
GREEN 2
WESLER
PAW PAW
MORGANS
LINDBERGH
SALINE
ECORSE
WAYNE CO
TOLEDO 239
CHATHAM
WINDSOR 353
MARKS
AUSTIN LAKE
BROOKS
JACKSON 257
On request
FLAT ROCK
SANDUSKY
BENTON HARBOR
LEACH
DAVID
UNION CITY
LAMM
BURR OAK
TO UNION
INDIANAPOLIS 47
DUNDEE
CLEVELAND 49
DETROIT 33
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
MILWAUKEE 31
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
AKRON Range (Colo)(Int.)	368(RN)(vhf)	154°,3.6	SBMRAZ-DTV	(4);116.1,122.1
★ Akron Int,9,DV-GI(Colo)	3.9 SE;RR N	4585	53 L3	Poles E.
★ Alvin Int,15,DV-GI(Colo)	3.5 NNE	3600	40 L2	Roads S,N.
ANTON Range (Colo)				DECOMMISSIONED
(A) Arlington #4 (La Junta, Colo) (A)	28 NNE	4424	70h	CLOSED. Arlington 3.3 WNW.
Bayard (Nebr)	1.3 SSW;RR N	3760	25 S2	No fuel. Poles N,E,NW,
★ Big Springs Int,55,SL-OH	3 WNW;hwy N	3605	35 L3	P-line E. (Nebr). SE.
Burlington (Colo)	0.5 W;RR S	4160	38 S2	73 oct. P-line N,NE,SE,
Chappell (Nebr)	3 E;RR SW	3830	26 L1 S2	73 oct. P-line W,S,NW
CHEYENNE Range (Wyo)	326(CD)(vhf)	76°,0.0	SBRAZ-DTV	(3); 116.1, 122.1
CHEYENNE Tower (Wyo)	278(126.18, 118.3)		C	(4);118.3,126.18,122.5
(NG) [Cheyenne] (Wyo)	1 N;lakes WNW	6156	79h L6 S6	80,91 oct.;73,91,100 oct.for Army 80,100 oct,2-ech maint NG. Poles W.
COLORADO SPRINGS Range (Peterson) (Colo)	224 (CD)	166°,3.9	MRLWZ	
(P) Craig (Colo)	1.8 SE;riv N	6300	51 S6	80, 91 oct.
Cress (Westcliffe,Colo)	6 NW	8000	30 S1	80 oct.
DENVER Range (Stapleton) (Colo)	379(DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER Range (Stapleton) (Colo)	109.1(DV) (vhf)	211°, 9.7	VAR-DTXV	(3);116.1,122.1
Doughty's (Julesburg)	12 ESE	3600	18	PRIV.Use in emerg.
Douglas (Akron,Colo)	0.8 N	4400	28 S1	73 oct. (Colo)
Eads (Colo)	1.3 WSW;RR N	4210	42 S6	80 oct. P-line NE,N.
EAGLE Range (Colo) (6 mi ENE Eagle)	108.3 (EQ) (vhf)		BVAR-DTV	3105,3117.5; 116.1, 122.1
Eagle (Colo)	4.5 WSW;RR N	6496	38	
Estes Park (Colo)	2 SE;riv N	7635	30	Closed till June 1947.
Flagler (Colo)	0.8 S;hwy N	4975	40 S4	80 oct. P-line E,NE,SE.
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	36 L1 S6	73,80,91 oct. (Colo.)
[Fremont Co](Canon City, Colo)	6.9 E;riv S	5350	49 S2	80 oct.Rnwy data unver.
General Brees (Laramie)	See Brees Field under "New Facilities"- name changed.			
Glenwood Sprgs.(Colo)	2 S	5900	31 S4	73 oct.
Granby (Colo)	1 ENE;hwy S	8200	39 S2	80 oct.
Gregg (Pueblo, Colo)	6 N;RR,hwy E	5000	57 S4	80 oct.
Holyoke (Colo)	1.8 ESE	3720	35 S4	80 oct. RR NW.
Hugo (Colo)	1.5 E;hwy S	5034	26 S1	80 oct.
Idle Acres (Potter,Nebr)	11.8 N;hwy N	4630	21 S4	80 oct.P-line W.Data unver.
Julesburg (Colo)	2.8 SW;hwy W	3490	24 S6	80 oct. (Colo)
LA JUNTA Range (AAF)	281(LH)(116.1)	104°,2.6	SBMRLZ-DTV	(4);116.1,122.1
LARAMIE Range (Brees) (Wyo)	245(LR)(vhf)	137°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Las Animas (La Junta, Colo) (A)	19 NE	4119	70h	CLSD.Las Animas 5.9 mi SSE.
Lorenzo (Nebr)	0.6 WNW;RR E	4400	19 S1	Ltd 73 oct.Cattle on fld.
Medicine Bow,31,SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct. (Wyo.)
Meeker (Colo)	1.3 E;hwy S	6300	36 S1	80,91 oct.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	(Colo)
Mitchell (Nebr)	1.6 S;riv N	3950	40 S6	73,80 oct.Trees,poles
Montrose (new) (Colo.)	1.5 NNW;hwy S	5780	58 S2	80,91 oct. NW.
Montrose (Colo)	1.3 S;RR NE	5800	33 S4	80 oct. CLOSED
Ogallala (Nebr)	2 W;RR S	3250	26 L1 S6	80 oct.Poles S,SE,SW.
Ordway (Colo)	0.9 S;RR N	4300	40 S2	Caution.
Oshkosk (Nebr)	1.8 SE;riv S	3375	21 S1	Ltd 80 oct.Poles NW,NE
PETERSON Tower (Colo)	272 (126.18)		CA	(4);126.18
(A) [Peterson](Colorado Springs, Colo)(A)	6.3 E;hwy N	6170	85h L5 S6	73,91,100 oct. No sto.
(P) Pine Bluffs,44,SL-OH	4.2 WSW;RR S	5128	48 L3 S2	73 oct.P-line N.(Wyo)
PUEBLO Range (Colo)	302(PU)(vhf)	340°,2.0	SBRAZ-DTV	(4);116.1,122.1
(P) [Pueblo] (Colo)	2.1 SW	4853	53h L5 S6	80,91,100 oct. E blkd.
(A) Pueblo AAB (Colo)(A)	7 NE;RR S	4712	88h	CLOSED.
Rawlins (Wyo)	2.3 NE;RR I S	6780	52 S4	80, 91 oct.
(P) Rifle (Colo)	3.3 E;riv N	5400	42 S2	80 oct. (Colo.)
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 mi S.
Roderick (Lindon,Colo)	4.3 N;riv.5 E	4900	26 S1	73 oct. Emerg only.
Royal Gorge (Canon City, Colo)	6.4 NW;hwy N	6320	26 S4	61 oct.Do not land N or S.P-line N.
(P) Saguache (Colo)	2 W;hwy NE	7700	48 S1	80 oct.
St. Francis (Kans)	1 SSE;riv NW	3400	35 S2	80 oct.
Salida (Colo)	4 W;RR S	7500	36 S4	80 oct, Trees W, S.
Saratoga Mun. (Wyo)	0.7 SSW;hwy E	6900	47 S1	80 oct.P-line ESE.
Schwartz-Johnson (Sidney, Nebr)	1.6 SSE;RR N			ABANDONED
SCOTTSBLUFF Range(Nebr)	341(TF)(116.1)	301°,3.1	SBMRLZ-DTV	(4);116.1,122.1
(P) [Scottsbluff] (Nebr)	3.3 E;hwy S	3945	82h L5 S1	80,91 oct.Lgts on req.
Sharon Springs (Kans)	1.2 NW;RR S	3500	32 S1	80 oct. P-line E.
SIDNEY H Fac. (Nebr)	314(SD)(116.1)	350°,0.0	BH-DTV	(4);116.1,122.1
★ Sidney Int,50,SL-OH	3 W;RR N	4132	36 L3	(Nebr)
SINCLAIR Range (Wyo)(Int)	209(XP)(116.1)	80°,1.7	SBMRAZ-DTV	(4);116.1,122.1
★ Sinclair Int,27,SL-OH	3.8 ENE;RR S	6561	50 L3	
Stake's Prairie (Limon)	2.2 ENE;RR S	5375	34 S4	73 oct. (Colo)
STAPLETON Tower (Colo)	278 (126.18, 118.7)		AC (ILS)	(4);122.5,126.18,118.7
[Stapleton](Denver,Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
(P) Starr Nelson(Delta,Colo)	4 E;rd N	5200	40 S4	80 oct.
Teter (Fairplay,Colo)	3 SSE;hwy E	9700	63	
(P) Trading Post(Kit Carson)	0.8 NW;crk E	4290	40	PRIV.P-line S,SE.(Colo)
Valley (Silver Cliff,Colo)	0.7 ESE	8000	40	Hwy W.
Walden (Colo)	1.5 N;hwy W	8250	63 S1	80 oct.
Wamsutter Int,22,SL-OH	2.4 NNW;RR S	6812	50 L3	35' pole line SW.(Wyo)
Wray (Colo)	1.2 NNW;hwy E	3400	36 S2	80 oct.
(P) Young (Ft.Morgan,Colo)	6 N;hwy E	4460	52 S6	73,80 oct. Rough
Yuma (Colo)	1.4 SSE;hwy W	4150	34 S6	80 oct.P-line S,SE,SW,NW

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

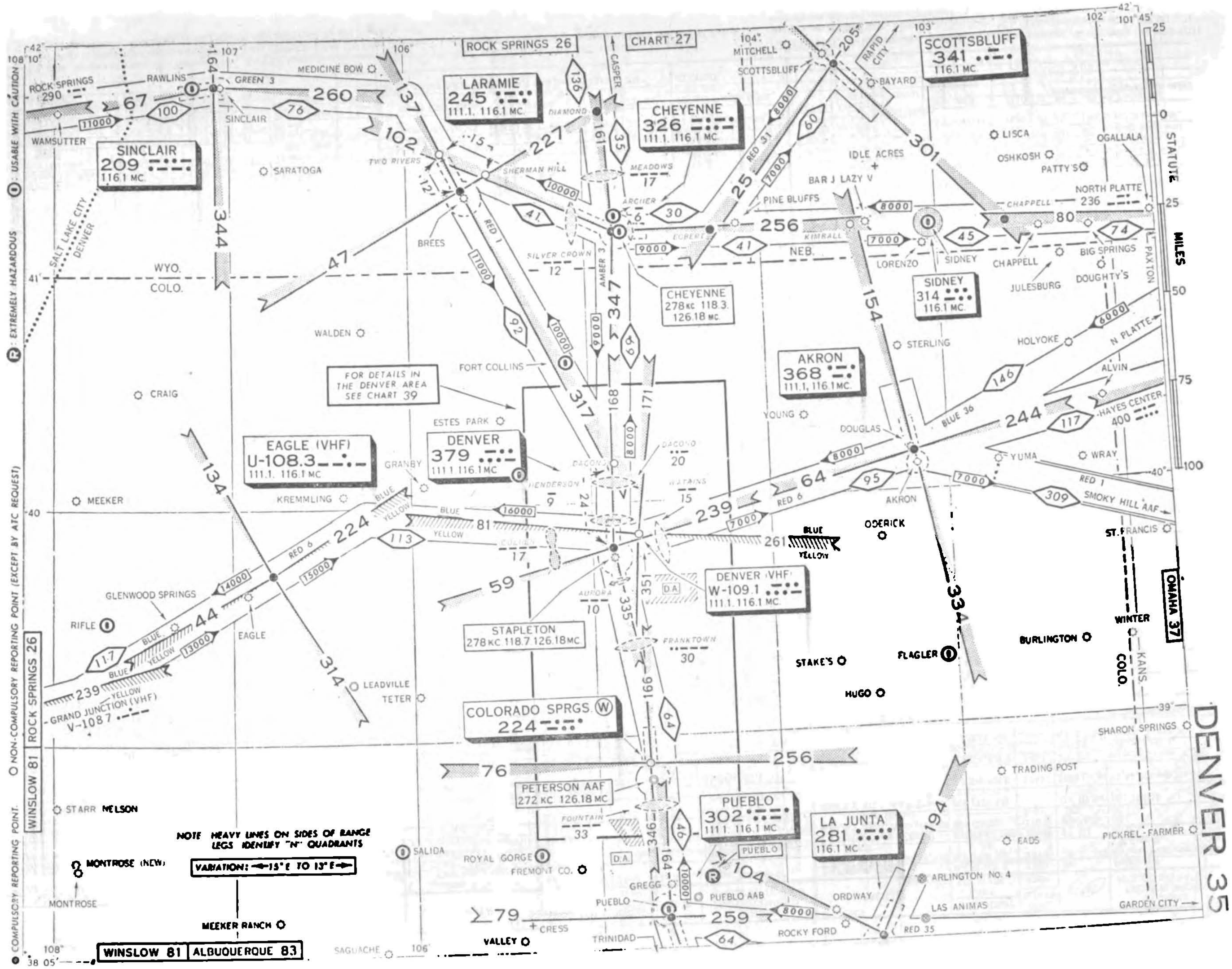
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
STAPLETON	110.3	335	206°	IM-	MM-•–•–(0.65)	OM- ––(4.19)
					MMK-335 •••–	OMK-359 –••
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bar J Lazy V (Potter,Nebr)	5.3 SW;rd E	4550	27 S2	80 oct.
O'Conta (Wisc)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver
(P) Sterling (Colo.)	2.8 W;RR S	4020	34 S6	80 oct.
Pickrel-Farmer(Tribune, Kans)	1.3 SW;RR N	3550	17 S2	80 oct.Poles N,NE;bldgs
Kremmling (Colo)	0.9 E;hwy N	7410	27 S1	73 oct.Poles E E
Winter (Kanorado,Kans)	0.6 SE;RR N	3910	29 S2	80 oct.Pole NE.Elev.NW Use strips only.
Brees (Laramie,Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Sidney (Nebr.)	3 S;hwy N	4298	34 S1	80,91 oct.P-line N.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 127.65, 140.50 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page 1111) →← New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ROCK SPRINGS 26
CHART 27
SINCLAIR 209 116.1 MC.
LARAMIE 245 111.1, 116.1 MC.
CHEYENNE 326 111.1, 116.1 MC.
SCOTTSBLUFF 341 116.1 MC.
SIDNEY 314 116.1 MC.
AKRON 368 111.1, 116.1 MC.
CHEYENNE 278 KC 118.3, 126.18 MC.
EAGLE (VHF) U-108.3 111.1, 116.1 MC.
DENVER 379 111.1 116.1 MC.
DENVER (VHF) W-109.1 111.1, 116.1 MC.
STAPLETON 278 KC 118.7 126.18 MC.
COLORADO SPRGS. (W) 224
PETERSON AAF 272 KC 126.18 MC.
PUEBLO 302 111.1, 116.1 MC.
LA JUNTA 281 116.1 MC.
GRAND JUNCTION (VHF) V-108.7
ROCK SPRINGS 290
WAMSUTTER
RAWLINS
SINCLAIR
MEDICINE BOW
GREEN 3
SARATOGA
TWO RIVERS
SHERMAN HILL
DIAMOND
MEADOWS
ARCHER
EGBERT
BREES
RED 1
SILVER CROWN
AMBER 3
CASPER
MITCHELL
SCOTTSBLUFF
RAPID CITY
BAYARD
IDLE ACRES
BAR J LAZY V
PINE BLUFFS
KIMBALL
NEB.
LORENZO
SIDNEY
CHAPPELL
JULESBURG
BIG SPRINGS
DOUGHTY'S
PAXTON
NORTH PLATTE
OGALLALA
LISCA
OSHKOSH
PATTY'S
STERLING
HOLYOKE
N PLATTE
ALVIN
HAYES CENTER
WRAY
YUMA
SMOKY HILL AAF
ST. FRANCIS
WINTER
BURLINGTON
FLAGLER
STAKE'S
HUGO
ODERICK
AKRON
DOUGLAS
YOUNG
WALDEN
CRAIG
FORT COLLINS
FOR DETAILS IN THE DENVER AREA SEE CHART 39
ESTES PARK
GRANBY
KREMMLING
MEEKER
GLENWOOD SPRINGS
RIFLE
EAGLE
LEADVILLE
TETER
STARR NELSON
MONTROSE (NEW)
MONTROSE
MEEKER RANCH
SALIDA
ROYAL GORGE
FREMONT CO.
PUEBLO
PUEBLO AAB
GREGG
CRESS
VALLEY
TRINIDAD
SAGUACHE
ROCKY FORD
ORDWAY
ARLINGTON No. 4
LAS ANIMAS
EADS
PICKREL FARMER
TRADING POST
SHARON SPRINGS
GARDEN CITY
OMAHA 37
DENVER 35
WINSLOW 81 ROCK SPRINGS 26
WINSLOW 81 ALBUQUERQUE 83
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 15° E TO 13° E
SALT LAKE CITY DENVER
WYO.
COLO.
NEB.
KANS.
D.A.
PUEBLO
YELLOW
BLUE
RED 6
RED 31
RED 35
RED 1
STATUTE MILES
O: USABLE WITH CAUTION
R: EXTREMELY HAZARDOUS
O NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
C COMPULSORY REPORTING POINT.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abilene (Kans)	1.7 WSW;RR N	1100	29 S6	80 oct. Trees E. P-line
Arrow (Lincoln, Nebr)	4.8 NE;hwy E	1160	25 L S6	73,80 oct. Port rnwy lgts. SE
Atwood (Kans)	2 N;hwy S	2900	26 S6	80 oct. Soft when wet.
(P) Beatrice (Nebr)	3.5 N;hwy E	1260	38h L3 S4	80 oct. Twrs S,SW; poles S. Rnwy data unver.
Belleville (Kans)	1.6 WSW;hwy S	1520	24 S2	73 oct.
Benkleman (Nebr)	1.2 NNE;RR SE	2990	28 S2	80 oct.
Bern (Kans)	0.6 S;RR N	1300	26 S1	80 oct. Pwr line N.
Blosser (Concordia, Kans)	1 SSE;hwy W	1510	26 L S2	80 oct. Port rnwy lgts.
* Brainard Int, 82, SL-OH	5.5 SW;hwy W	1640	31 L3	(Nebr)
Broken Bow (Nebr)	2 N	2400	30 S6	80 oct.
(A) Bruning AAF (Nebr) (A)	7.7 E;RR N	1544	68h	CLOSED.
Central (Grand Island, Nebr)	1.7 NE;RR S	1851	33 S6	80,91 oct. P-lines W, N
(P) Clay Center (Kans)	1.5 W;hwy S	1200	30 S2	80 oct. Poles S,NW.
Clay Center (Nebr)	1.5 E;hwy N	1800	26 S2	80 oct. P-lines N.
Clothier (Cedar Point, Kans)	4 SSW;creek E	1320	20 S2	73 oct.
Colby (Kans)	1.8 N;RR S	3150	42 S2	80 oct. Poles SW,W.
Columbus (Nebr)	1.3 NE;RR S	1445	26 S6	P-line SSE,SSW.
Crete (Nebr)	1 S;RR NE	1368	24 L3 S6	80,91 oct. Lgts prior req
David City (Nebr)	1.5 N;hwy W	1640	22 S2	80 oct. Windmill E.
Downs (Kans)	Adj SW;RR N	1550	20 S2	80 oct. RR NW. Data un ver
Eddie Hutton (Brewster, Kans)	1 SE;RR N	3420	35 S2	73 oct.
Elgin (Nebr)	0.8 SW;RR E	1930	16 S6	80 oct. Bldgs SE,N.
Elkins (Wakefield, Kan)	1 SSE;riv NE	1170	13 S1	80 oct. Poles W.
Ellinwood (Kans)	1.5 NW;RR S	1790	26 S6	73 oct. Poles N.
Emporia (Kans)	5.4 S;hwy E	1200	26 S6	80 oct. Poles E,NE
Fairbury (Nebr)	2.5 NNE;RR SE;hwy SE	1316	26 L S6	80 oct. Port rnwy lgts P-line W,NW,S
(A) Fairmont AAF (Geneva, Nebr) (A)	4.8 NE	1639	70h	CLOSED
(P) Fremont (Nebr)	1.4 WNW; RRs NE	1203	38h S4	80,91 oct. P-line N, NE,E,SE.
Giffin-Orton (Hoisington, Kans)	See Hoisington Arpt under "New Facilities" - name changed.			
GOODLAND H Fac. (Kans)	353 (GN)		HW-T	
GOODLAND Range (Kans)				DECOMMISSIONED
(P) Goodland (Kans)	2 NNE;hwy E	3689	37 S4	80,91 oct. P-lines SW,
Gothenburg (Nebr)	0.7 E;hwy S	2550	32 S2	80 oct. W. Trees NW.
GRAND ISLAND Range (Nebr)	263 (GI) (vhf)	165°, 1.3	SBMRLZ-DTV	(4); 116.1, 122.1
GRAND ISLAND AAF Tower (Nebr)				DECOMMISSIONED
(A) Grand Island AAF (Nebr) (A)	3.5 NE;RR W	1846	72h	CLOSED.
(A) Great Bend AAF (Kans) (A)	4.5 WSW	1891	80h	CLOSED.
Great Bend Arpk. (Kan)	1.6 NNE;RR W	1850	26 S2	80 oct. Poles N,W.
(A) Harvard AAF (Nebr) (A)	2.5 NE	1817	76h	CLOSED.
Hastings (Nebr)	1.5 NW;RRs N,S	1940	35 S6	73 oct.
Hastings Sky Ranch (Nebr)	3.2 WSW;RR N	1960	26 L S6	80,91 oct. Port rnwy lgts. P-line S,W. NE,SW,W,NW.
Hawks (Bruning, Neb)	3.8 ESE;rd N	1544	29 S4	80 oct. N blkd. Poles
HAYES CENTER Range (Nebr)	(400)(KE)(vhf)	64°, 2.2	SBMRAZ-DTV	(4); 116.1, 122.1
* Hayes Center Int, 21, DV-GI (Nebr)	3 ENE;rd S	3074	51 L3	
Hays (Kans)	1.5 E;RR S	2020	29 L S6	80,91 oct. Port rnwy
Hebron (Nebr)	1 S;RR W	1458	26 S4	80 oct. S appch lgts 6:1, SW 10:1.
Herington (Kans)	1.5 SE;hwy N	1450	26 S2	80 oct. Poles N,NW.
(A) Herington AAF (Kans)	7.5 ENE	1485	69h	CLOSED. (A)
Hewett's (Beaver City, Nebr)	2.5 NNE; hwy S	2300	40 S1	73 oct. Pole NNW, SSW. Bldg N
Hiawatha (Kans)	1.3 WSW;RR E	1110	25 S1	80 oct. Appchs blkd.
Holdrege (Nebr.)	2 NNE;crk S	2324	26 S4	80 oct.
Holyrood (Kans)	0.5 ESE;RR N	1820	17 S4	73 oct. Poles N.
Huntoon (Topeka, Kans)	5.4 W;riv N	1000	18 S6	80 oct. Pwr line N.
Imperial (Nebr)	1 ESE;RR SW	3280	36 S4	80 oct.
Janssen Skytel (Mc Pherson, Kans)	1.5 SW;hwy N	1500	22 S6	80 oct. Hi-line W. Poles E.
KEARNEY Army H. Fac.	536 (DKR)	130°, 5.3	HW	(Nebr)
KEARNEY AAF Tower	396 (126.18)		CA	(4); 126.18 (8-1630)
(A) Kearney AAF (Nebr) (A)	4.5 ENE;RR S	2130	73h L5 S6	73,91,100 oct. JP-1. No sto
Kearney (Nebr)	4.5 S;riv N	2145	15 S1	80 oct. Trees N; p-line E
Larkinburg (Kans)	0.3 E;hwy N	947	27 S2	80 oct. Hi-lines N. Data unver.
→ Larned Mun. (Kans)	1.6 NNE;RR SE			ABANDONED.
LEBO Range (Int.) (Kans)	311 (LN) (vhf)	336°, 0.0	BMLZ-DTV	(4); 116.1, 122.1
* Lebo Int, 39, AQ-KC	4 ENE;RR N	1160	33 L3	(Kans)
Lenora (Kans)	1.2 NNW	2325	29 S2	creek NE 80 oct.
Lexington (Nebr)	1.7 NW;RR S	2400	28 S6	80 oct. P-line NE,E,SE,
LINCOLN Range (Nebr)	385 (HK) (116.1)	170°, 2.4	SBMRLZ-DTV	(4); 116.1, 122.1
(NG) [Lincoln] (Nebr)	5.5 NW;RR NE	1191	71h L5 S6	80,91,100 oct. 73,91,100 oct for NG.
Lyons (Kans)	1.3 W;hwy N	1950	28 S6	73 oct. P-line NW,N,NE
Manhattan (Kans)	5.5 WSW	1050	31 S6	80 oct. RR SE.
Mankan (Manhattan, Kans)	3.7 ENE;hwy S	1050	30 S6	80,91 oct. Poles sur fld.
→ Mankato (Kans)				ABANDONED
(P) Marion (Kans)	1.8 ESE;hwy N	1370	36 S4	80 oct. Appchs blkd.
MARSHALL Army Range (Ft. Riley) (Kans)	215 (DFY)	196°, 4.0	SBMRAZ	
MARSHALL Tower (Kans)	396 (126.18)		CA	(3); 126.18
(A) Marshall (Ft. Riley, Kans) (A)	1.8 SE	1062	45h L5 S6	73,91,100 oct. Ditch E, S.
McCook (Nebr)	2.2 E;RR S	2586	42 S4	80 oct. Windmill N. Hwy
(A) McCook AAF (Nebr) (A)	9 NNW;hwy E	2784	75h	CLOSED. S.
McPherson (Kans)	4 NNE;hwy W	1500	34 S6	80 oct. Soft when wet. Appchs blkd.
Moritz (Beloit, Kans)	1.2 NW;RR S	1420	24 S2	73 oct. Trees E.
MORLAND Range (Kans)				DECOMMISSIONED.
Moundridge (Kans)	2.2 WNW	1485	17 S2	80 oct. Poles SW,W. RR
(P) Norfolk (Nebr)	3 SSW;RR W	1572	58h S6	80 oct. P-line SE. 1.8 NE
NORTH PLATTE Range (Nebr)	236 (NQ) (vhf)	352°, 2.2	SBRAZ-DTV	(4); 116.1, 122.1
(P) [North Platte] (Nebr)	3.2 ESE;riv SW	2779	55h L5 S6	73,80,91,100 oct.
(P) Norton (Kans)	0.7 NNW;hwy E	2365	52 S4	80,91 oct. P-line S.
Oberlin (Kans)	0.9 NW;RR SE	2684	25 S1	80 oct. P-line SE,NE.
Ohiowa (Nebr)	3 SW	1572	20	Fence sur fld. Data un ver.
OMAHA Range (Nebr)	320 (OH) (vhf)	146°, 0.8	SBRAZ-DTV	(3); 116.1, 122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C (ILS-W)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE;lk W	982	54h L6 S6	73,80,91,100 oct. No contact lgts.
100th Meridian (Cozad, Nebr)	0.8 SW;RR N	2490	22 S1	80 oct. P-line E.
Ord (Nebr)	1.8 NW,NE,hwy E	2060	31 S4	80 oct. Use strips.
* Overton Int, 69, SL-OH (Nebr)	4.8 E;RR S	2300	40 L3	Bldgs, trees NW; poles NE.
PHILLIP BILLARD Tower (Topeka, Kans)	278 (118.5, 126.18)		C	(4); 118.5, 126.18, 122.5; 100-150 mcs on req.
[Phillip Billard] (Topeka, Kans)	3.5 ENE;RR S	879	42h L5 S6	80, 91 oct.
(P) Phillipsburg (Kans)	1.5 S;RR N	1882	33 S1	80 oct.
Pottawatomie (Manhattan, Kans)	1.4 NE;RR SE	1100	20 S4	80 oct. Poles SE,NW,NE
Republican City (Nebr)	See Waldo Air Svc under "New Facilities" - name changed.			
Russell (Kans)	2.7 ESE;hwy N	1860	32 S6	73,80,91 oct. Poles N, NE,S,SW.
SALINA Range (Kans)				DECOMMISSIONED.
Salina (Kans)	2.5 SE	1275	26 S6	80, 91 oct. P-line NW.
Schuyler (Nebr)	2,8 W;RR S	1380	20 S4	80 oct. NE,SW blkd.
Scott City (Kans)	1.3 ESE hwy N	2980	25 S1	73 oct. P-line N,NE, NW,SW.
(A) Scribner AAF (Nebr) (A)	4.1 SSE;hwy N	1315	67h	CLOSED.
Seneca (Kans)	0.5 W;RR S	1250	24	Poles N,S.
Sky Village (Salina, Kans)	6.6 WSW;RR SE	1270	22 L S6	80 oct. Port rnwy lgts P-line S.
Smith Center (Kans)	1 SSW;RR NW	1806	27 S1	80 oct.
SMOKY HILL Army Range (Salina) (Kans)	344 (DSN)	170°, 5.1	BMRLZ-DT	(4)
SMOKY HILL AAF Tower (Kans)	396 (126.18)		CA (ILS-W)	(4); 126.18
(A) Smoky Hill AAF (Salina, Kans) (A)	4.5 SW;RR E	1289	100h L5 S4	73,91,100 oct. No sto.
Summerfield (Kans)	0.3 SSE;RR W	1450	20 S2	80 oct. P-line N,NW.
TARKIO H Fac. (Mo)	281 (TK) (116.1)		MHTV	(4); 116.1, 122.1
Tarkio, 10, KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct. Trees N.
TOPEKA VHF Range (Kans)				DECOMMISSIONED
→ TOPEKA Army Range (Kans)	269 (DTO)	32°, 3.5	BMRAZ	(4)
TOPEKA AAF Tower (Kans)	206 (116.1, 126.18)		CA	(3); 116.1, 126.18
(A) Topeka AAF (Kans) (A)	6 S;RR W	1078	65h L5 S6	73,91,100 oct. JP-1. No sto. CLOSED.
Union (Lincoln, Nebr)	4.8 NNE;RR S	1140	18h L3 S6	80,91 oct. All lgts prior req.
WALDO VHF Range (Kans)				DECOMMISSIONED.
(A) Walker AAF (Hays, Kans) (A)	12.5 E;hwy S	1975	80h	CLOSED.
Waverly (Lincoln, Neb)	9 NE;RR SE	1180	20	Poles SE,SSW.
West Point (Nebr)	1.5 E;hwy W		16 S4	80 oct. Data unver.
Wood Arpk (Clay Center, Kans)	3.5 N;hwy W	1260	15 S6	80 oct. No sto. P-line W.
Wright Arpk (Abilene, Kans)	1 SSE;riv S	1150	13 S1	80 oct. S blkd.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
GRAND ISL. AAF (A)				DECOMMISSIONED	
OMAHA	110.3	335	135°	IM-	MM- ·—·—(0.78) OM- ——(4.90)
					MMK- 201 ···· OMK- 219 ———
SMOKY HILL (A)	109.9	333.8	123°	IM- (0.19)	MM- ····· (0.89) OM- ——(4.20)
					MMK- OMK-
				IM-	MM- OM-
					MMK- OMK-

NEW FACILITIES

Hill City Mun. (Kans)	0.8 NE;riv S	2200	28 S2	Sto. SW blkd.
Mankato Mun. (new) (Kans)	1.4 NW;RR SW	1840	24 S6	80 oct. Windmill NE
Trenton Mun. (Nebr)	1.3 NW;RR S	2840	27 S2	80 oct. Poles SE.
Wahoo Mun. (Nebr)	2.5 NE	1180	25	Poles S.
Oakland (Nebr.)	2 W	1320	28 S6	80 oct. Use strips.
Hoisington (Kans)	1.3 NE;hwy S	1870	25 S4	80 oct. Poles S.
Burdett Fly Club (Kans)	1 SW;RR N	2140	20 S1	80 oct. Poles E,S. Use strips.
Concordia (Kans)	1.7 S;hwy W	1510	20 L S6	80 oct. Flood, port rnwy lgts
Downs Mun. (Kans)	0.4 SSW;riv S	1500	22 S2	80 oct. N,NW blkd. Pole W
Ellsworth (Kans)	1 N;twr 0.8 S	1630	26 S6	80 oct. FEE. P-lines NE
Hoover (La Crosse, Kans)	0.5 ENE;RR S	2060	24 S2	80 oct. Poles S,N
Hoxie (Kans)	0.7 N;RR, hwy S	2665	20 S1	73 oct. Poles S,W
Marysville (Kans)	1.3 ENE	1240	26 S2	80 oct. P-lines N,S
Nessco (Ness City, Kans)	1.6 ESE;RR 0.6 N	2240	26 S2	80 oct. E/W rnwy unsafe
Ness Fly. Club (Ness City, Kans)	1 ESE;RR N	2245	23 S2	80 oct. Poles N,S when wet
Oakley (Kans)	0.6 SSW;RR N	3050	26 S2	80 oct. P-lines SE,S,NW,N
Ritter (Jct. City, Kans)	3.7 W;hwy N	1260	18 S2	80 oct. Poles NE,N. Use stps.
Sterling Air Svc. (Kans)	1.2 SSW;lk 0.5 NE	1630	19 S4	80 oct. Trees all appchs.
Trenton (Nebr)	1.2 NW	2840	27 S2	80 oct. P-line SE
Superior (Nebr)	2 N;hwy W	1735	28 S2	80 oct.
Geneva Fly. Svc. (Nebr)	1.2 SSW;RR NW	1633	26 S4	80 oct. Poles E. Soft-wet
Roush (Grand Isl. Nebr)	2 SSE;riv N	1841	32 S6	80,91 oct. E blkd.
Harmon (Kearney, Nebr)	1.3 NNW;lk S	2240	17 S4	80 oct. Soft when wet.
Waldo Air Svc (Republican City, Nebr)	0.5 WNW;riv S	1980	30 S6	80,91 oct. N end soft.
Heller Air Ranch (Wisner, Nebr.)	5 SSW;rd S	1350	22 S4	80 oct. Poles SE. Use strips only.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.56 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

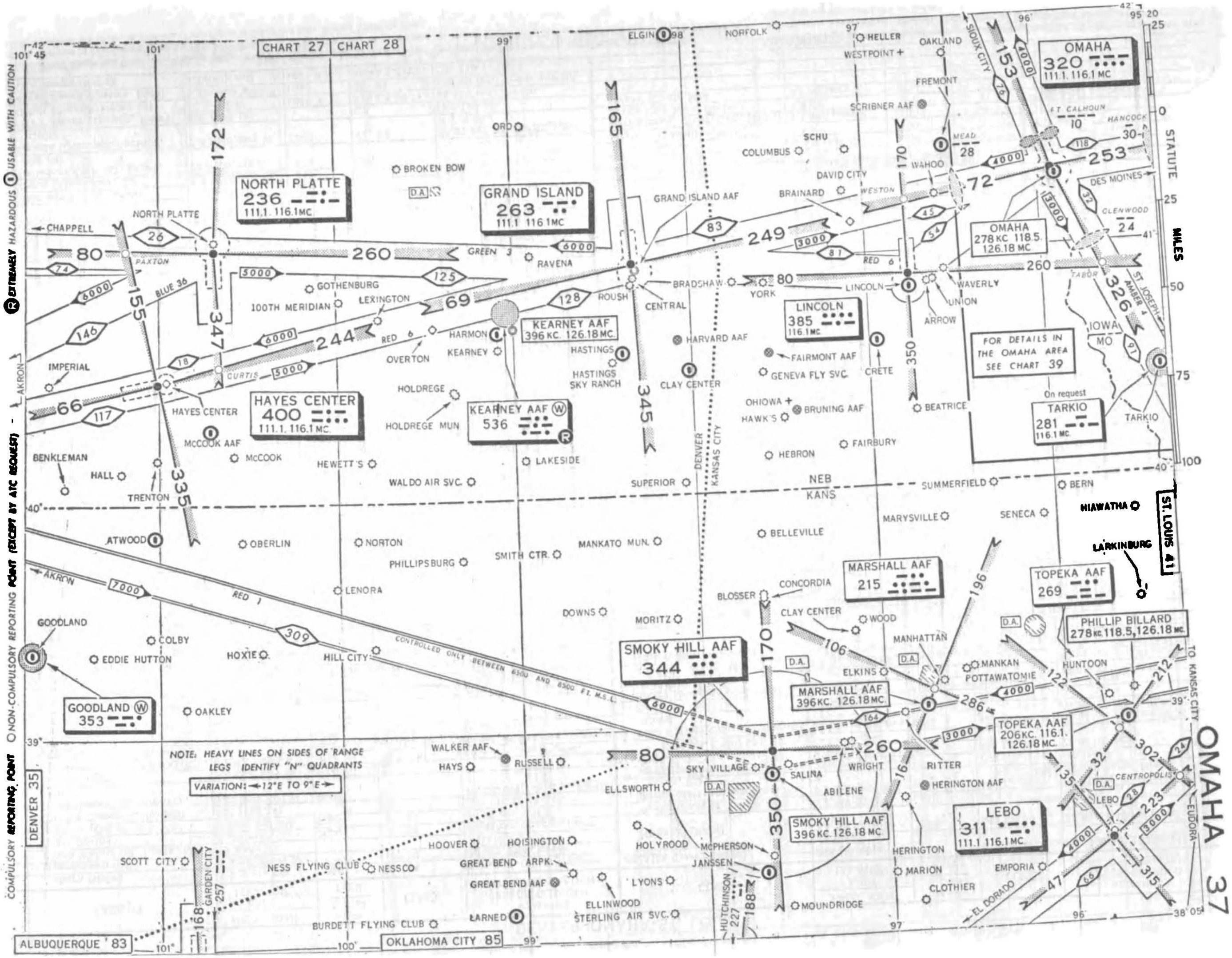


CHART 27
CHART 28
NORTH PLATTE
236
111.1. 116.1MC.
GRAND ISLAND
263
111.1 116.1MC
HAYES CENTER
400
111.1. 116.1MC.
KEARNEY AAF
396 KC. 126.18MC.
KEARNEY AAF (W)
536
LINCOLN
385
116.1MC
OMAHA
320
111.1. 116.1 MC
OMAHA
278 KC 118.5.
126.18 MC
FOR DETAILS IN THE OMAHA AREA SEE CHART 39
TARKIO
281
116.1 MC
On request
MARSHALL AAF
215
TOPEKA AAF
269
PHILLIP BILLARD
278 KC. 118.5, 126.18 MC.
MARSHALL AAF
396 KC. 126.18 MC.
TOPEKA AAF
206 KC. 116.1.
126.18 MC.
SMOKY HILL AAF
344
SMOKY HILL AAF
396 KC. 126.18 MC.
LEBO
311
111.1 116.1 MC.
GOODLAND (W)
353
ELGIN
NORFOLK
HELLER
WESTPOINT
OAKLAND
FREMONT
SCRIBNER AAF
SIOUX CITY
ORD
BROKEN BOW
SCHU
COLUMBUS
DAVID CITY
WAHOO
MEAD
FT. CALHOUN
HANCOCK
DES MOINES
GLENWOOD
GRAND ISLAND AAF
BRAINARD
WESTON
NORTH PLATTE
CHAPPELL
PAXTON
GREEN 3
RAVENA
GOTHENBURG
100TH MERIDIAN
LEXINGTON
BLUE 36
BRADSHAW
YORK
LINCOLN
WAVERLY
UNION
ARROW
TABOR
ST. JOSEPH
AMBER 4
IOWA
MO
CENTRAL
ROUSH
HARMON
KEARNEY
OVERTON
HASTINGS
HASTINGS SKY RANCH
HARVARD AAF
CLAY CENTER
FAIRMONT AAF
GENEVA FLY SVC.
CRETE
BEATRICE
OHIOWA
HAWK'S
BRUNING AAF
FAIRBURY
HEBRON
IMPERIAL
AKRON
HAYES CENTER
HOLDREGE
HOLDREGE MUN
McCOOK AAF
McCOOK
BENKLEMAN
HALL
TRENTON
HEWETT'S
WALDO AIR SVC.
LAKESIDE
SUPERIOR
DENVER
KANSAS CITY
NEB
KANS
SUMMERFIELD
BERN
HIAWATHA
LARKINBURG
ST. LOUIS 41
MARYSVILLE
SENECA
BELLEVILLE
ATWOOD
OBERLIN
NORTON
PHILLIPSBURG
SMITH CTR.
MANKATO MUN.
LENORA
DOWNS
MORITZ
BLOSSER
CONCORDIA
CLAY CENTER
WOOD
MANHATTAN
ELKINS
MANKAN POTTAWATOMIE
HUNTOON
TO KANSAS CITY
GOODLAND
COLBY
EDDIE HUTTON
HOXIE
HILL CITY
OAKLEY
CONTROLLED ONLY BETWEEN 6500 AND 8500 FT. M.S.L.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 9°E
WALKER AAF
HAYS
RUSSELL
ELLSWORTH
SKY VILLAGE
SALINA
WRIGHT
RITTER
HERINGTON AAF
ABILENE
HERINGTON
MARION
CLOTHIER
EMPORIA
EL DORADO
CENTROPOLIS
LEBO
EUDORA
HOOVER
HOISINGTON
HOLYROOD
McPHERSON
JANSSEN
MOUNDRIDGE
SCOTT CITY
NESS FLYING CLUB
NESSCO
GREAT BEND ARPK.
GREAT BEND AAF
LYONS
ELLINWOOD
STERLING AIR SVC.
BURDETT FLYING CLUB
LARNED
GARDEN CITY
HUTCHINSON
ALBUQUERQUE '83
OKLAHOMA CITY 85
DENVER 35
OMAHA 37
STATUTE MILES
R EXTREMELY HAZARDOUS
1 USABLE WITH CAUTION
COMPULSORY REPORTING POINT (EXCEPT BY ARC ROVERS)
NON-COMPULSORY REPORTING POINT

DENVER-OMAHA-ST. LOUIS

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
Auburn (Nebr)	2.7 E;riv SW	960	29 S6	80 oct P-line N,NW,NE
Beardstown (Ill)	1.5 SE;RR N,W		18 S2	80 oct. Data unver
→ Black Walnut (St. Louis, Mo)	18 NNW			ABANDONED
Blair (Nebr)	3 NNW;RR E	1050	24 S6	80,91 oct Windmill NW
(P) Boulder (Colo)	3 ENE;RR NW	5350	42 S6	80,91 oct RR S.
BUCKLEY Tower (Colo)(NG)	201 (126.18)		CA	(3); 126.18 (8-16)
(NG)(N) Buckley (NAS) (Denver, Colo)	12.5 ESE	5642	80h	73,100 oct,1-ech maint NC
Calhan (Colo)	0.6 ESE;hwy N	6500	22	
* Chesterfield Int,4,LS-CG (Ill)	3 ENE;hwy 1 W	612	26 L5 S1	80 oct.P-line NE,NW.
Civil Air Patrol (Denver,Colo)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Clear Ridge (Omaha, Nebr)	5.2 NW;RR N	1230	28 S6	80 oct P-line E
COLORADO SPRINGS Range (Peterson)(Colo)	224 (CD)	166°, 3.9	MRLWZ	
Combs (Denver, Colo)	3 NE;RR N	5276	35 S6	80,91 oct P-line N,S
Council Bluffs (Iowa)	3 SE;RR S	980	37 S6	80 oct Bldgs SW.
Craig (Mo)	See Ward Arpt under "New Facilities" - name changed			
Creighton (Golden, Colo)	4 E;lake E	5600	30 S1	80 oct NW blocked
← Creve Coeur (St. Louis, Mo)	14.5 WNW			ABANDONED
Crosier (Greeley, Colo)	3.5 E;rd,riv S	4648	34 S6	73,91 oct.
Cyril Lebert (Lebanon, Ill)	0.5 SE;hwy N	440	22 S2	80 oct. Poles N,W,S
DENVER Range (Stapleton)(Colo)	379 (DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER VHF Range (Stapleton) (Colo)	109.1 (DV)(vhf)	211°,9.7	VAR-DTXV	(3);116.1,122.1
Dunlap (Iowa)	0.5 WNW;RR SE	1160	30 S3	80 oct. P-line NNE
Eagleton (Decatur, Nebr)	1 S;riv NE	1100	26 S2	73 oct Poles NE;trees NW.
East Colfax (Watkins, Colo)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N,NW
Edwardsville (Ill)	3.4 E;RR N	555	21 S2	No fuel P-line E,S
Ellisville (Mo)	0.4 NE;hwy S	750	16 S2	80 oct.
Englewood (Colo)	6.8 SSE;hwy S	5520	45 S6	80, 91 oct.
Flagler (Colo)	0.8 S;RR N	4975	48 S4	80 oct. 20' p-line E
Fleck's Lakeview (Rochester, Ill)	2.8 W;lake W	580	21 S6	80 oct. P-line W
Gundlach (Belleville, Ill)	1.8 E	514	23	Obsts sur fld.
H & S (Gillespie, Ill)	1 W;RR S	661	18	P-line N,E.
Harlan (Iowa)	5 SSW;hwy E	1196	27 S2	73 oct. Hi-line S,E.
Hew's (Humboldt, Nebr)	4.2 NNE	1200	13	Pwr line E PRIVATE
Hi ghland-Winet (Highland,Ill)	3.6 NE;RR S	535	24	P-line S.
Jacksonville (Ill)	3.9 S;hwy E	650	18 S6	80 oct P-line E.
Kratz (St. Charles, Mo)	1.1 ESE;RR S	442	30 L S6	80,91 oct Port rnwy lgts.
Lakeside (E. St. Louis, Ill)	7 NNE;lake W	420	32 L S6	80,91 oct Port lgts on rep. SE blocked
LAMBERT-ST. LOUIS Tower (St. Louis, Mo)	278 (126.18, 118.3)		AC(ILS)	(4); 126 18, 122 5, 118 3
(NG)(N) [Lambert-St Louis](Nas) (St. Louis, Mo)	10.8 NW;hwy N, W	552	60h L6 S6	80-100 oct. Ltd 100 oct, 2-ech maint NG Rdo rqrd.
Longmont (Colo)	2.9 W;hwy .5 S	5030	44 S6	80,91 oct. Trees NW.
LOWRY Tower (Colo)	396 (126.18)+		CA ◆ 00.20	(3); 126 18
(A) Lowry (Denver, Colo) (A)	5.3 ESE	5412	83h L5 S6	91, 100 oct JP-1
Lucas (Festus, Mo)	1.7 S;RR W	425	16 S2	73 oct.
Machens (Mo)	1 NNW			ABANDONED
Meremec (Valley Park, Mo)	1.5 ESE;riv N	440	30 L S2	80 oct Port rnwy lgts P-line S.
Missouri Valley (Iowa)	1.5 S;RR W	960	16 S2	80 oct.
Negus (Alexander, Ill)	2.8 WSW;RR SE	645	22	PRIVATE.
(C) Neubeiser OLF (St. Louis, Mo) (N)	22 NNW;riv N	438	20h	CLOSED
Nichols (Colorado Springs, Colo)	2.8 NNE;hwy W	6200	42 S6	80,91 oct. P-line SE,S,SW, NW,N,NE.
OFFUTT Tower (Omaha, Nebr)	396 (126.18)		CA	(3); 126.18
(A) Offutt (Omaha, Nebr) (A)	10 S;RR W	1046	61h L5 S4	91,100 oct. No sto.
Oliver Ranch (Onawa, Iowa)	5 SE;hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
OMAHA Range (Nebr)	320(OH)(vhf)	146°,0.8	SBRAZ-DTV	(3); 116.1, 122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C (ILS-W)	(4); 126 18, 122.5, 118 5
[Omaha] (Nebr)	3.5 NE;lake W	982	54h L6 S6	73,80,91,100 oct No contact lgts.
Parks (East St. Louis, Mo)	4.2 SW;RR SE	410	26 L4	NW blk.
Parks Metropolitan (East St. Louis, Ill)	3.5 SSW;RR W	420	40 L S6	80,91 oct Port rnwy lgts 1700' paved rnwys
PETERSON Tower(Colo)	272(126.18)		CA	(4);126.18
(A) [Peterson] (Colorado Springs, Colo) (A)	6.3 E; hwy N	6170	85h L5 S6	73,91,100 oct.
Pine Valley (Colorado Springs, Colo)	9.2 N;bet RR,hwy	6575	42 S6	80,91 oct P-line NE,E,SE, W,NW.
Randolph (Iowa)	1.7 NNE;RR W	1050	20	
Rocky Mountain (Colorado Springs, Colo)	6 ESE	6100	35	
Ross (St. Louis, Mo)	4.8 NNW;RR SE	430	30 S6	80,91 oct. Poles sur fld
Ruston (Denver, Colo)	10 NNW;hwy W	5550	40 S6	80,91 oct P-line NE,SW, E,W blocked.Rnwy data unver. Bet RR & hwy.
Rutledge (Dupont, Colo)	2.1SSW;	5107	37 S6	80,91 oct.Poles sur fld.
St. Charles (Mo)	5.3 NNW;RR N	470	29 S6	80 oct Poles E,N,NE,SE
ST. LOUIS Range (Lambert-St. Louis) (Mo)	209(LS)(vhf)	256°,2.2	SBRAZ-DTXV	(3); 116 1, 122.1
SCOTT Army Range (Bellev'l, Ill)	263 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill)	396 +		CA	(4)
(A) Scott (Belleville,Ill)(A)	7.5 ENE;RR S	441	55h L5 S5	73,91,100 oct.JP-1.
Shenandoah (Iowa)	2.8 W;RR SE	960	25 L S2	80 oct Port rnwy lgts
SKY RANCH Tower (Colo)	296		CI	(3); (8-17)
Sky Ranch (Denver, Colo)	12.6 E;RR S	5478	55 S6	73,80,91 oct.
SPANISH LAKE H Fac.(Mo)	219 (L)	69°,7.8	FMHW	(Cont.) St. Louis
Springfield (Ill)	3.5 SW;bet RRs	606	32 S6	80,91 oct. Use strips.
SPRINGFIELD,Ill.(Range)	239(ZP)	113°, 2.3	SBMRAZ-DT	(4)
STAPLETON Tower (Denver, Colo)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118 7
[Stapleton] (Denver, Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
Starling (St. Louis, Mo)	14 SSW;riv .3 N	615	24 S2	80 oct.Trees ESE,SE,WNW.
→ Steckley (Weeping Water,Nebr)	3 S;RR,rd E			ABANDONED
Sylvan Beach (Fenton, Mo)	2 NNW	442	42 L S2	80,91 oct Port rnwy lgts. P-line N.
TARKIO H Fac. (Mo)	281 (TK)(116.1)		MHTV	(4);116.1,122.1
Tarkio,10,KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct.
Tecumseh (Nebr)	1 W;RR NE	1115	26 S4	80 oct.Trees W;p-line N.
Valley (Nebr)	1.8 NW;RR NE	1150	22 S1	80 oct.
Vest Aircraft Co.(Denver,Colo)	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
Wadlow (Alton, Ill)	3.5 NNW	600	25 S6	80 oct P-line SW,trees S.
Weiss (Kirkwood, Mo)	4 SW	430	15 S4	80 oct. P-line NE,N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

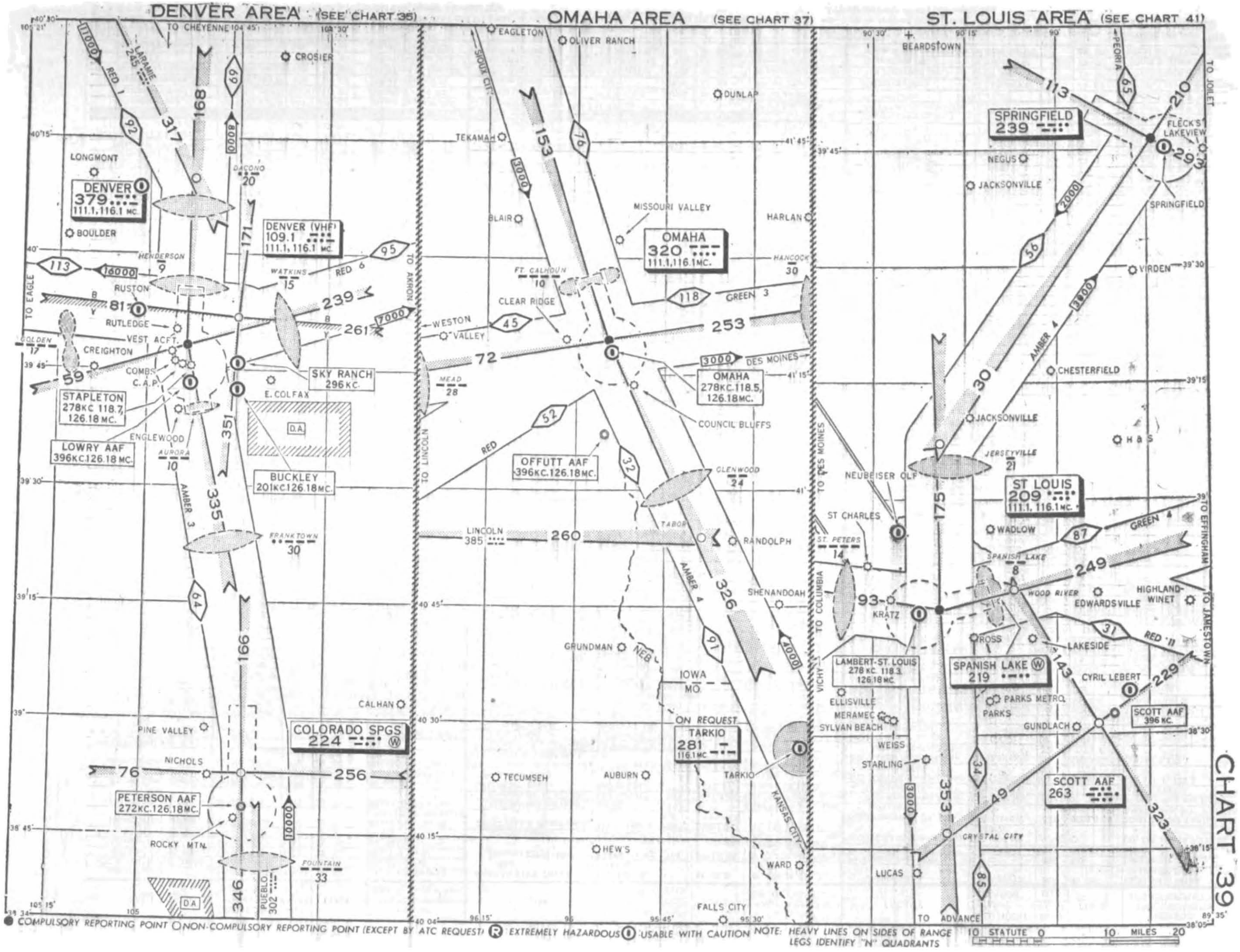
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
→ LAMBERT	110.3	335	238°	IM-		MM- (0.64)	OM- (3.98)
						MMK- 201	OMK-
OMAHA	110.3	335	135°	IM-		MM- (0.78)	OM- (4.90)
						MMK- 201	OMK- 219
STAPLETON	110.3	335	206°	IM-		MM- (0.65)	OM- (4.19)
						MMK-335	OMK- 359

NEW FACILITIES

Tekamah (Nebr)	1.3 S;hwy W	1010	30 S2	80 oct,S blkd.
Lisco (Nebr)	0.5 W;RR N	3300	26	
Patty's (Lewellen,Nebr)	0.3 S	3300	26	P-line E.
Grundman, (Nebr. City, Nebr.)	1.1 SSW;hwy E	1150	28 S2	80 oct.
Falls City Mun. (Nebr.)	1.8 NE	960	29 S2	80 oct.
Ward (Craig,Mo)	0.6 NE;hwy S	875	25 S4	80 oct. P-line ESE

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


DENVER AREA (SEE CHART 35)
OMAHA AREA (SEE CHART 37)
ST. LOUIS AREA (SEE CHART 41)
DENVER 379 111.1, 116.1 MC.
DENVER (VHF) 109.1 111.1, 116.1 MC.
STAPLETON 278KC 118.7, 126.18 MC.
LOWRY AAF 396KC.126.18 MC.
BUCKLEY 201KC.126.18MC.
SKY RANCH 296 KC.
COLORADO SPGS 224
PETERSON AAF 272KC.126.18MC.
OMAHA 320 111.1,116.1MC.
OMAHA 278KC.118.5, 126.18MC.
OFFUTT AAF 396KC.126.18MC.
TARKIO 281 116.1MC
SPRINGFIELD 239
ST LOUIS 209 111.1, 116.1MC.
LAMBERT-ST. LOUIS 278 KC. 118.3, 126.18 MC.
SPANISH LAKE 219
SCOTT AAF 396 KC.
SCOTT AAF 263
TO CHEYENNE
LARAMIE 245
RED 1
RED 6
AMBER 3
AMBER 4
GREEN 3
GREEN 4
RED 11
TO EAGLE
TO AKRON
TO LINCOLN
TO DES MOINES
TO COLUMBIA
TO JOLIET
TO EFFINGHAM
TO JAMESTOWN
TO ADVANCE
LONGMONT
BOULDER
RUSTON
RUTLEDGE
CREIGHTON
COMBS C.A.P.
E. COLFAX
ENGLEWOOD
AURORA
FRANKTOWN
CALHAN
PINE VALLEY
NICHOLS
ROCKY MTN.
FOUNTAIN
PUEBLO
CROSIER
DACONO
HENDERSON
WATKINS
VEST. ACFT.
GOLDEN
MEAD
EAGLETON
OLIVER RANCH
SIOUX CITY
DUNLAP
TEKAMAH
BLAIR
MISSOURI VALLEY
HARLAN
FT. CALHOUN
CLEAR RIDGE
WESTON
VALLEY
COUNCIL BLUFFS
GLENWOOD
TABOR
RANDOLPH
SHENANDOAH
LINCOLN
GRUNDMAN
NEB.
IOWA
MO.
ON REQUEST
TECUMSEH
AUBURN
HEWS
WARD
FALLS CITY
KANSAS CITY
VICHY
BEARDSTOWN
PEORIA
FLECK'S LAKEVIEW
NEGUS
JACKSONVILLE
SPRINGFIELD
VIRDEN
CHESTERFIELD
JERSEYVILLE
NEUBEISER OLP
ST CHARLES
ST. PETERS
WADLOW
SPANISH LAKE
WOOD RIVER
EDWARDSVILLE
HIGHLAND-WINET
ROSS
LAKESIDE
CYRIL LEBERT
PARKS METRO PARKS
GUNDLACH
ELLISVILLE
MERAMEC
SYLVAN BEACH
WEISS
STARLING
CRYSTAL CITY
LUCAS
H & S
KRATZ
DA
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
10 STATUTE 0 10 MILES 20
CHART 39

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
Adair (Iowa)	1.5 SSE;RR NW	1350	18 S1	Ltd 73 oct. Trees S.
ATLANTIC H Fac. (Iowa)	257(IZ)(116.1)		MHTV	(4);116.1,122.1
Atlantic, 4B, CG-CG (I...)	1.9 W;RR E	1153	33 L3	Bcn 1/4 mi W.
Atlantic (Iowa)	4.6 NW;RR S	1353	21 S6	80, 91 oct.
Audubon Arwys (Iowa)	1 SSE;RR W	1300	15 S1	80 oct.
Bailey's (Brookfield, Mo)	2 WSW;hwy N	800	26 S1	80 oct. Pwr line SE. Poles E, SE, NW blckd
Bailey's Arpk (Chillicothe, Mo)	2 SSE;RR W	675	32 S6	80 oct S, SW blckd
Beaver (Des Moines)	3.4 NW	900	25 S2	80 oct. (Iowa)
Boonville (Mo)	1.5 NNW;riv S	602	26 S2	80 oct. P-lines NE, E.
Bowling Green (Mo)	1.6 NW;RR E	882	25 S2	80 oct. Poles S; pwr line SE.
BRADFORD H Fac. (Int.)	382 (MQ)		MHT	(4) (Ill)
* Bradford Int, 29, KC-CG (Ill)	4.5 NNE;	795	26 L3 S1	80 oct. P-line SW, NE.
(P) Bradley (Moberly, Mo)	3 NNE;hwy W	865	37h S6	80, 91 oct. Obsts.
Briggs (Fiscus, Iowa)	4.2 NE;RR E	1370	21 S2	80 oct. Trees N.
BURLINGTON Range	326(BN)(vhf)	357, 1.9	SBRAZ-DTV	(4); 116.1, 122.1 (Iowa)
(P) Burlington (Iowa)	1.7 SSW	698	54h L5 S6	80, 91, 100 oct. Hwy E.
Butler, (Mo)	2N;RR, hwy W	870	26 S2	80 oct. Hedge N
Cameron (Mo)	2 E;RR NW	1050	21 S4	80 oct. Poles N, W, NW.
Carthage (Ill)	1.5 SSW;RR E	665	24 S6	80 oct. P-line E.
CEDAR RAPIDS H Fac	344(CID)		MHW	(Oper City)
(P) Cedar Rapids (Iowa)	6.7 SSW	864	55h L5 S1	80, 91 oct. RR E
Centerville (Iowa)	3.5 SSW;RR N	1017	25 S2	80 oct. Use strips only.
Chariton C.A.P. (Iowa)	2.3 NNE;RR SE	1050	16 S1	80 oct.
CHILLICOTHE H Fac (Mo)	242(CK)(116.1)		MHTV	(4);116.1,122.1
Chillicothe, 7, KC-CG	3 ESE;RR N, SW	780	25h L3	P-line S; trees SW 4000' strip avail.
Clarinda (Iowa)	0.8 SE;RR W	1060	26 S4	80 oct. rnwy lgts.
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct. No sto. Port
(P) Clinton (Mo)	2 NE;RR SE	800	36 S6	80, 91 oct. P-line N, S,
COLUMBIA Range (Mo)	379(CA)(vhf)	89, 3.9	SBRAZ-DTV	(4); 116.1, 122. SW
Columbia (Mo)	2.4 NW;hwy S	777	33h L3 S6	80, 91 oct. No flood lgts
Columbus Junction (Ia)	3 N;RR E	580	28 S2	80 oct. P-line N, E.
Cram (Davenport, Iowa)	2.5 NW;RR SW	646	21 S6	80, 91, 100 oct.
→ Creston Arwys (Iowa)	1.6 NE;RR W			ABANDONED.
Daviess Co. (Mo)	1.1 W;RR N	930	19 S2	80 oct. Pole N.
Decatur (Ill)	4 NW	678	29 S6	80, 91 oct. P-line S, SW, W, NW.
DES MOINES Range (Iowa)	212(DM)(vhf)	344, 2.1	SBRAZ-DTV	(3); 116.1, 122.1
DES MOINES Tower (Iowa)	278 (126.18, 118.3)		C	(4); 126.18, 122.5, 118.3
(NG) [Des Moines] (Iowa)	4.5 SSW	957	57h L5 S4	80, 91, 100 oct. RR V.
Dixon (Ill)	1.9 ESE;RR S	786	30 L1 S6	80, 91 oct. Appchs blckd except E and N half W boundary.
Dodge (Iowa)	3.5 E;RR E	835	27 S6	80 oct. Hwy E.
Dressler (Anita, Iowa)	7 SSE;rd W	1250	17 S2	80 oct. Trees S.
Eads (Iberia, Mo)	1.1 W;hwy NE	960	32 S2	80, 91 oct.
Edwards (Grant City)	1.2 ENE;hwy S	920	23 S2	(Mo.) 80 oct. P-lines S
(Fayette Flying Fld. (Mo.)	1.8 S;RR W	730	29 S2	80 oct. Trees W, S.
Fitzgerald (Mendota, Ill)	1.5 NW;lake E	800	22 S6	80 oct. Trees E.
Fordyce (Bethany, Mo)	4.8 ESE;rd W	1050	22 S2	80 oct. unver.
Fort Madison (Iowa)	1.5 N;RR W		27 S4	80 oct. Ltd sto. Data
Fulton (Mo)	3 WSW;hwy SE	875	15h S6	80 oct. P-line N, NE, S.
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct. Fld lgts prior req. E blocked.
Grand (Grand Mound)	1.2 SW;RR N	770	20 S2	80 oct. (Iowa)
Green (Mexico, Mo)	4.3 ESE;RR S	815	34 L S6	80, 91 oct. Port rnwy.
Guthrie Center (Iowa)	0.5 NW;riv E	1074	21 S1	80 oct. lgts P-line NW
Hannibal (Mo)	4.3 WNW; hwy N	735	26 L S6	80 oct. P-line W, S. Port rnwy lgts. Rough
Hillsboro (Ill)	1 NE lake .5 E	625	27 S6	80 oct. P-line SE, SW.
Hi Way (Piatt, Ill)	1.3 WNW;hwy S	665	20 S2	80 oct. P-line S, E, NW
(P) Hunter (Cedar Rapids, Iowa)	3 S;hwy E	732	27 L3 S6	80, 91 oct. Fld lgts prior req. Poles S, E
Huston (Windsor, Mo)	4.3 E;hwy N	932	25 S1	80 oct.
IOWA CITY H Fac (Iowa)	248(IX)(116.1)		BHTV	(4);116.1,122.1
(P) Iowa City (Iowa)	1.7 SW;riv E	650	43h L1 S6	80, 91 oct. No sto.
Jefferson City (Mo)	2 N;hwy S	550	32 S6	80, 91 oct.
KANSAS CITY Range (Mo)	359(KC)(vhf)	148°, 2.9	SBRAZ-DTXV	(3); 116.1, 122.1
NEW FACILITIES				
Warsaw (Mo.)	2.5 W;lk N, E, S	690	26 S4	80 oct. Trees W, S, E
Sharon (Fremont, Ill)	1 SE;RR, hwy N	631	21 S6	80 oct. P-line NE.
Zims (Warrenton, Mo)	0.4 ESE;hwy W	880	18 S2	80 oct. Trees E, W
Sky Haven (Warrensb g, Mo)	3.7 WNW;hwy S	850	24 S6	80, 91 oct. P-lines SE,
Panz (Ill.)	2 E,	706	18 S2	80 oct, P-lines N. WSW
Sky Lake (Tuscumbia, Mo)	8 WSW	588	25 S1	80 oct. Trees NNE

FACILITY	FREQ., IDENT ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
KANSAS CITY Tower (Mo) [Kansas City] (Mo)	278 (126.18, 118.3)		AC (ILS	(4); 126.18, 118.3, 122.5.
	2.5 NW;riv W, S	744	52h L6 S6	80, 91, 100 oct. Poles E. Dike W. Flood lgts in op.
Keokuk (Iowa)	4.6 NNW;riv E	670	28 S6	80, 91 oct.
KIRKSVILLE Range (Mo)	391(KR)(116.1)	320°, 0.9	BMRLZ-DTV	(4); 116.1, 122.1
Kirksville Arpk (Mo)	Adj SE	927	26	Clsd winter. NE.
Kirksville 12, KC-CG	7 SE;hwy NE	970	39h L3 S6	(Mo.) 80, 91 oct. P-lines
LAMBERT Tower (St. Louis, Mo.)	278(126.18, 118.3)		AC(ILS)	(4); 126.18, 122.5, 118.3
(NG) [Lambert-St. Louis] (N) (NAS)(St. Louis, Mo.)	10.8 NW;hwy N, W	552	60h L6 S6	80-100 Oct. do rqrd.
* Lamoni Int, 10, KC-MP	3 WNW;RR NE	1153	37 L3	(Iowa)
Leon (Iowa)	4.1 N;RR SE	1050	20 S2	80 oct.
Lexington (Mo)	3 WNW;RR NW	650	33 S6	80 oct. P-line S, W, SW
* Luray Int, 16, KC-CG	1.9 ESE;RR N	727	26 L3	(Mo) Poles N, E, W.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73, 80 oct. N, NE blckd. P-line E, SE.
Mader (Garnett, Kans)	2 WNW;hwy S	1060	26	Obst sur fld.
Manning (Iowa)	0.6 SW;RR W	1327	25 S2	73 oct.
Marceline (Mo)	1.5 N;RR SE	855	20 S1	80 oct. P-line NNE.
MARSHALL H Fac. (Mo)	281(MH)(116.1)		MHTV	(4); 116.1, 122.1
* Marshall Int, 7, KC-LS	1.8 S;hwy W	800	39 L3 S2	80 oct. Trees E, NE, W
(P) Maryville Mun. (Mo)	2.2 WNW;hwy S	1154	25 S6	80, 91 oct. (Mo)
Matanzas (Havana, Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
McCoy (Blue Mound, Ill)	5 W	660	16 S2	No fuel.
Medbury (Armington)	1 NE	650	26	Data unver. (Ill)
Mel Adkins (Gravois Mills, Mo)	4.2 SSE;hwy W	950	19	Rough
Melbourne, com. (Iowa)	0.3 S;RR E	1000	21 S2	80 oct. P-line E.
MOLINE Range (Ill)	224(MO)(116.1)	142°, 12.0	SBRAZ-DTV	(4); 116.1 (ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req.)
(P) [Moline] (Ill)	4 S;hwy E, N	590	40h L6 S6	73, 80, 91 oct. Poles NW.
Monmouth (Ill)	1.5 NNE;rd E	770	31 L1 S6	80 oct. P-line E, W, S.
→ MONTEZUMA H Fac.				DECOMMISSIONED
* Montezuma Int, 17, OH-CG (Iowa)	3 E;hwy N	953	32 L3	Poles N, SW, W.
Morton (Ill)	3 W;hwy N		33 S2	80 oct. Use NE/SW strip. Data unver.
Mt. Ayrport (Mt. Ayr, Iowa)	6.6 N;RR N	1100	21 S1	Ltd 80 oct. Poles N, NE.
Mt. Hawley (Peoria, Ill)	6.4 N;RR SW	700	28 S6	80, 91 oct. P-lines SE,
Mt. Pleasant (Iowa)	2.6 ESE;RR N	727	19 S2	80 oct. S, SW
(P) Muscatine (Iowa)	6 SW;RR SE	546	36 S6	80 oct.
Nashville (Ill)	1 E;lake W		20 S1	80 oct. Data unver.
NEW FLORENCE H Fac. (Int.) (Mo)	248(ST)(116.1)		BHTV	(4); 116.1, 122.1
* New Florence Int, 17, KC-LS (Mo)	1 SSE;hwy N	885	40 L3 S1	80 oct.
Newton (Iowa)	1.5 ENE;hwy S	950	22 S6	80 oct. Poles S
Nicholas (Marshall, Mo)	3.8 S;hwy W	770	26 S6	80 oct. Tree S.
Niederhauser Arwys (Grinnell, Iowa)	4.5 E	1000	26 S1	80 oct. P-line S
OLATHE Navy Range (Kans)	233 (NUU).	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans	201(142.74)		CN (GCA)	(3); 142.74 (8-18)
(N) Olathe Nas (Kans) (N)	5.2 SW;RR W	1085	53h L5 S6	100 oct.
OTTUMWA Tower (Iowa)	272 (142.74)		CN	(3); 142.74
(N) Ottumwa NAS (Iowa) (N)	6.4 NNW	841	52h L5 S6	73, 100 oct.
Ottumwa (Iowa)	3.6 N;RR N	830	32 S6	80, 91 oct. P-line W.
Pekin (Ill)	4 S;RR E	505	29 S6	80, 91 oct. P-lines SE,
Pella (Iowa)	3.5 SE;RR N	877	24 S6	80 oct. S, SW, W, NW.
PEORIA Range (Ill)	356 (PI)	178°, 2.2	SBMRAZ-DT	(4)
(P) [Peoria (Ill)	4.8 WSW;rd E	659	44h L5 S6	80, 91 oct. No flood or boundary lgts.
Phil-Larry (Roanoke, Ill)	4 W	474	23 S6	80 oct. Data unver.
Princeton (Ill)	3 N; creek N		18 S2	80 oct. Data unver.
NEW FACILITIES				
Excelsior Springs (Mo.)	1.6 W;hwy S	900	10 S2	80 oct. Bldg SSW
Tyler (Villisca, Iowa)	0.5 E;riv E	1055	18 S1	80 oct. P-line S
Lenox (Iowa)	1 N	1200	22 S1	80 oct. Trees S
Myers-Hughs (Lucerne, Mo)	0.4 SE;RR W	905	20 S2	80 oct. S blkd. Rough
Montgomery (Kahoka, Mo)	0.4 ENE;RR S	700	19 S2	80 oct. N, S blkd.
Lincoln Fly. Svc. (Ill)	1.8 W;hwy N, E	591	20 S6	80 oct. P-line N

FACILITY	FREQ., IDENT ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
Quincy (Ill)	2.8 SE;hwy E	650	26 S6	80, 91 oct. E blckd. P-line SE, S, SW.
(P) Quincy (new) (Ill)	9.5 E	760	54h	Data unver.
Red Oak (Iowa)	1.5 W;RR E	1044	25 S2	80 oct. P-line N.
ROSECRANS Tower (Mo)	278 (126.18, 118.7)		C	(4); 126.18, 118.7, 122.5
(NG) [Rosecrans] (St. Joseph, Mo)	4 NW;riv SW	821	60h L5 S6	80, 91, 100 oct. Ltd 100 oct. 2-ech maint NG. Fld lgts prior req.
Roth (Oskaloosa, Iowa)	2 SSE;RR NE	850	20 S2	80 oct. Trees sur fld
→ St. David (Ill)	1.5 SW;RR N			ABANDONED.
ST. JOSEPH Range (Rosecrans) (Mo)	341 (ZJ)(vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116.1, 122.1
ST LOUIS Range (Lambert-St. Louis) (Mo)	209(LS)(vhf)	256°, 2.2	SBRAZ-DTXV	(3); 116.1, 122.1
SCOTT Army Range (Belleville) (Ill)	263 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill.)	396 +		CA	(4)
(A) Scott (Belleville, Ill) (A)	7.5 ENE;RR S	447	55h L5 S5	73, 91, 100 oct. IP-1
Sedalia (Mo)	6.3 NW;RR S	820	30 S6	80 oct. Poles S.
(A) Sedalia AAF (Knobnoster, Mo) (A)	2.8 S;hwy N	848	72h	CLOSED
Seymour (Iowa)	2 NNW;RR S	1060	24 S1	80 oct. Hedge S.
Slater (Mo)	0.8 NW;hwy N	850	26 S2	80 oct. P-line adj N.
SPANISH LAKE H Fac (Mo)	219 (L)	69'	FMHW	(Cont.) St. Louis
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
Springfield (Ill)	3.5 SW;bet RRs	606	31 S6	80, 91 oct. Use strips.
Sterling (Ill)	1.4 N;hwy E	645	25 S6	80, 91 oct. E, SE blckd.
* Stuart Int, 8, OH-CG (Ia)	3.5 SE;rd E	1169	31 L3	P-line NE, E.
Taylorville (Ill)	1 SW.		26 S6	80 oct. Data unver.
Unionville Arwys (Mo)	1.5 ESE;hwy NE	1100	21 S2	80 oct. P-line N.
Vandalia (Ill)	4.4 NW	532	39h L3 S6	80 oct.
* Van Orin Int, 34, OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vaughn (Trenton, Mo)	1.2 NNW;RR E	790	26	
Venture (Ottumwa, Ia)	2.8 SSE;RR W	800	13 S6	80 oct. P-line N, W, NE
Versailles (Mo)	1.7 ENE;RR N	1050	20 S4	80 oct. P-lines sur fld.
Virden (Ill.)	1 WSW;RR E, S	640	25 S2	80 oct. P-line N, E. Soft.
VICHY (AAF) Range (Mo)	344(OM)(116.1)	310°, 2.7	BMRLZ-DTV	(4); 116.1, 122.1
(A) Vichy AAF (Mo) (A)	1.5 NNW	1120	55h	CLOSED. Hwy SW.
Vogel (La Salle, Ill)	6.5 NNW;RR E	664	26 S2	80, 90 oct. Soft when wet. Poles N, W
Warrensburg (Mo)	7.3 SSW;hwy E	860	22 S6	80 oct. Use strips only. P-lines SW, NW.
Washington (Iowa)	1.5 SSE;RR NE	789	26 S6	80 oct.
Weise Flying Service (Lone Tree, Iowa)	3.4 NE		26 S2	80 oct. Ill-line N. Data unver.
Winterset (Iowa)	2 W;RR E	1130	21 S4	80 oct. Fence each end rnwy.
Wright (Garden City, Mo)	1.4 NNW;hwy SW	880	25 S1	80 oct. P-line S.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
KANSAS CITY	109.9	333.8	173°	IM-	MM- (2.6) OM- (4.65)
				MMK-221	OMK-248 (11.0
LAMBERT	110.3	335	238°	IM-	MM- (0.64) OM- (3.98)
				MMK 201	OMK-
MOLINE	110.3	335	131°	IM-	MM- (0.71) OM- (4.4)
				MMK-	OMK-
				IM-	MM- OM-

NEW FACILITIES

Dewitt (Iowa)	1.5 ESE;RR S	710	23 S2	80 oct. S blckd.
Newton Fly. Svc. (Iowa)	3 W;hwy S	960	22 S2	80 oct. P-line SE.
Pittsville (Mo)	1.2 WNW;hwy S	925	20 S1	80 oct. P-line W. Trees.
Stephenson (Macon, Mo)	3.5 SSE;RR W	850	26 S2	80 oct. P-line N E.
Bradshaw (Nebr)	1.3 NNE	1700	26 S6	80 oct. P-line N, S, NW.
Hall (Stratton, Nebr)	1 SE;RR, riv N	2850	27	Poles W, NW. Use strips.
Holdrege Mun. (new) (Neb)	2 ENE;RR, hwy S	2310	36 L1	Facs not installed but
Lakeside (Franklin, Neb)	5 N;lake N	2120	13	Soft when wet. usable.
Ravenna (Nebr)	1 NNE	2070	22 S2	80 oct. Poles W. Use stps.
York (Nebr) Ia.)	1.8 N;hwy W	1662	30	Poles SW, NW. Use stps.
Adamson Arwys (Perry,	4.6 WSW;RR N	1000	17 S6	80 oct. P-line N.
Wylies (Gorin, Mo.)	3 WNW;riv W	1540	14 S2	80 oct. Use strips only
Embry (Trenton, Mo.)	5 SSE;hwy E	800	26 S2	80 oct. P-lines E. Trees W.
Depperman (Owensville,	0.7 NNW	900	28 S2	80 oct. Trees W, NW.
St. Clair (Mo.) Mo)	1.4 ENE	750	20 S2	80 oct. E, SSE, W blkd.
Palmyra (Mo.)	0.7 SE;hwy W	650	22 S2	80 oct. Trees S. P-lines W
Ace High (Galt, Mo.)	3 SW;hwy N	937	29 S6	80 oct. Poles SW, N.
Carrollton (Mo.)	4.0 W;hwy W	700	20 S2	80 oct. P-lines NNE
Eldon Model Arpk (Eldon,	0.9 NE;RR SE		23 S2	80, 91 oct. Trees SSW

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

CHART 29

USABLE WITH CAUTION

EXTREMELY HAZARDOUS

COMPULSORY REPORTING POINT

NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

STATUTE MILES

CHICAGO 45 LOUISVILLE 59

ST. LOUIS 41

OMAHA 37

DES MOINES 278 KC 118.3 126.18 MC

DES MOINES 212 111.1, 116.1 MC

ATLANTIC 257 116.1 MC On request

IOWA CITY 248 116.1 MC

CEDAR RAPIDS (W) 344

MOLINE 224 116.1 MC

MOLINE 278 KC On request

BRADFORD 382 On request

BURLINGTON 326 111.1, 116.1 MC

NAS OTTUMWA 272 KC 142.74 MC

KANSAS CITY 359 111.1, 116.1 MC

KANSAS CITY 278 KC 118.3 126.18 MC

ST. JOSEPH 341 111.1, 116.1 MC

ROSECRANS 278 KC 118.7 126.18 MC

NAS OLATHE 233

CHILLICOTHE 242 116.1 MC On request

MARSHALL 281 116.1 MC On request

KIRKSVILLE 391 116.1 MC

COLUMBIA 379 111.1, 116.1 MC

NEW FLORENCE 248 116.1 MC

PEORIA 356

SPRINGFIELD 239

VICHY 344 116.1 MC

LAMBERT-ST. LOUIS 278 KC 118.3 126.18 MC

ST. LOUIS 209 111.1, 116.1 MC

SPANISH LAKE (W) 219

SCOTT AAF 263

FOR DETAILS IN THE KANSAS CITY AREA SEE CHART 43

FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 39

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

VARIATION: ←9°E TO 4°E→

LITTLE ROCK 89

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Allman (Lenexa, Kans)	2.5 NNW; hwy N	1030	22 S1	80 oct. Hedge E.
Ashburn (Chicago, Ill)	12 SW; hwy W	620	16 S4	80 oct. Unsafe after rain
Ashland Ave. (Chicago Hgts)	1.5 NW; hwy S	675	29 S6	80,91 oct. Obsts sur fld.
(P) Aurora Airways (Ill)	.3 NNW	701	30 S4	80 oct. Twr NE; poles E, W
Cedar Lake Fly. Svc (Cook, [Ind])	0.5 E; hwy W	751	28 S4	80,91 oct. P-line NE, SE, SW.
CHICAGO Range (Ill)	350 (CG) (116.1)	52°, 2.2	SBRAZ-DTXV (3); 116.1	
CHICAGO Tower (Ill)	278 (126.18, 118.7, 118.1)		AC (ILS)	(4); 126.18, 118.7, 118.1, 122.5 (GCA test basis)
(NG) [Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
Chicago-Elmhurst (Elmhurst, Ill)	2.5 N; hwy SW	707	27 S6	80,91 oct. Poles S, E.
Chicago-Hammond (Lansing, Ill)	1.5 S; RR N	660	37 L3 S6	73,80,91 oct. Obsts sur fld.
(A) Chicago-Orchard (Ill)	16 NW; RR W	657	58h L5 S6	100 oct; JP-1 fuel avail.
CHICAGO-ORCHARD Tower (Chicago, Ill)	396 (126.18)		C	(4); 126.18
Conard (Ottawa, Kans)	3.8 NNE; RR S	946	24 S6	80 oct. P-line N; hedge S
Elgin (Ill)	2.2 N; hwy W	770	24h S1	80,91 oct.
FAIRFAX Tower (Kans)	278 (126.18, 118.9)		AC	(4); 126.18, 122.5, 118.9
(A) Fairfax (Kans. City, Kans)	3 NE; RR E	746	65h L5 S4	81,100 oct. (A)
Fisher's (Edwardsv'l, Kans)	1 ESE; RR N	770	26 S6	80,91 oct. P-line N.
Gardner (Kans)	1.4 WSW	1070	39	
Gault (Wellsville, Kans)	0.8 ESE; RR N	1020	20 S1	80 oct. Trees E.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58, 142.74
GLENVIEW NAS Tower (Glenview, Ill)	236 (142.74, 140.58)		CN	(3); 140.58; 3117.5 on req.
(N) Glenview NAS (Ill) (N)	1.6 NW; RR W	654	63h L3 S6	91,100 oct. No sto. RR E
Grayslake (Ill)	1.1 ENE; rd W	791	26	Trees W, S, E.
Hall's (Olathe, Kans)	2.6 SSE; RR W	1000	16 S2	73 oct. Cat'l on fld. P-
Harlem (Oaklawn, Ill)	2.2 WNW; hwy W	619	26 S6	80 oct. P-line E line N.
HARVEY Range (Rubinkam)	385 (GH)	90°, 2.2	MLWZ	(Ill)
Harrisonville (Mo)	2.1 W; RR N, S	910	18 S1	73 oct. Use strips only.
Hawk's (Atchison, Kans)	1.3 WNW	1000	15 S2	80 oct. Poles N, SE.
Heart of America (Kans. City, Kans)	4 E; RR E	759	23 S6	80 oct. Poles, trees S. Use strips only.
Hinsdale (Ill)	3 S; hwy SE	710	26 S6	73,80 oct. Rolling grnd
Howell (Blue Island, Ill)	3 W; hwy E	600	26 S6	80, 91 oct. [strips only.
Independence (Mo)	5.8 ESE; RR S	825	24 S6	80,91 oct. Poles S. Use
JOLIET Range (Ill)	257 (JO) (116.1)	126°, 3.7	SBRAZ-DTV (4); 116.1	
Joliet, 22, LS-CG (Ill)	5 W; riv W	580	30h L4 S4	80,91 oct. Flood lgts prior req. after 2400.
Kane Co. (Elgin, Ill)	7 WNW; hwy E	910	21 S4	80 oct. Trees E, SE, NW
KANSAS CITY Range (Mo)	359 (KC) (vhf)	148°, 2.9	SBRAZ-DTXV (3); 116.1, 122.1	
KANSAS CITY Tower (Mo) [Kansas City] (Mo)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18, 118.3, 122.5
	2.5 NW; riv W, S	744	52h L6 S6	80,91,100 oct. Poles E. Dike W. No flood lgts.
(P) Kansas City-Grandview (Kansas City, Mo)	16.4 S; RR E	1072	55h L5 S6	80,91 oct. No flood lgts. P-line NE, SW.
Lawrence (Kans)	2,5 NNE; hwy S	832	32 L3 S6	80,91 oct. No bcn lgts prior req. P-lines W, E, SE, NE.
Leavenworth Lecompton	3.6 WSW	1125	26 S1	80 oct. Trees N. P-line NE.
Lewis-Lockport (Lockport, Ill)	2.2 WNW; hwy E	664	26 S6	80,91 oct. [(Kans) SW. Twr SE. Obsts sur fld
Mitchell (Lombard, Ill)	2.8 NNW	710	24	Data unver.
Momence (Ill)	3.5 SW; riv N	645	23 S2	80 oct. Trees NW, N, NE
Morris (Ill)	4.5 N; hwy W	590	21 S2	73 oct. Poles N, NNE.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
OLATHE Navy Range (Kans)	233 (NUU)	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans)	201 (142.74)		CN (GCA)	(3); 142.74 (8-18)
(N) Olathe NAS (Kans) (N)	5.2 SW; RR W	1085	53h L5 S6	100 oct.
(N) Olathe OLF #2 (Kans) (N)	5 SE	1090	16h	INACT. 4 W of Stanley.
(N) Olathe OLF #4 (Kans) (N)	10 S	1090	22h	INACT. 1.3 SE Spring-
(N) Olathe OLF #7 (Kans) (N)	16 SSW	940	23h	INACT. 4.3 W [hill. of Hillsdale.
(N) Olathe OLF #9 (Kans) (N)	11 SE	1070	23h	INACT. 1 N of Stillwell
Ong (Kansas City, Mo)	9 SE; hwy NE	1050	31 S6	80,91 oct. Pwr line SW.
Osawatomie-Paola Mun. (Owawatomie, Kans)	3.8 N; pond S	960	25 S1	80 oct. P-line S. Hedge SW, N
★ Osborn Int, 4, KC-MP (Mo)	1.5 NW; hwy S	1046	32 L3	
Ottawa (Kans)	5.3 S; RR W	975	34 L S6	80 oct. Port rnwy lgts. Rnwy data unver.
Pal-Waukee (Glenview, Ill)	5.5 WNW; RR S	642	30 L S6	80,91 oct. P-line N. Bcn flare pots, rdo rprs, Rnwy data unver.
Prosperi (Tinley Park, Ill)	1.7 SSW; hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW; RR N	650	18 S6	80 oct. Trees S. (Ill)
(NG) [Rosecrans] (St. Joseph, Mo)	4 NW; riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct. 2-ech maint. NG. Fld lgts prior req.
ROSECRANS Tower (St. Joseph, Mo.)	278 (126.18, 118.7)		C	(4); 126.18, 118.7, 122.5
(P) Rubinkam (Harvey, Ill)	2.5 SW; hwy N	615	47 L1 S5	73,80,91 oct. Use W part
St. Charles (Ill)	3.5 E; RR E, S	760	18h	P-line N. only.
ST. JOSEPH Range (Rosecrans)	341 (ZJ) (vhf)	359°, 3.7	SBMRLZ-DTV (3); 116.1, 122.1	
SHERMAN Tower (Kans)	396 (126.18)+		CA	(3); 126.18 [Closed 2000-0800.
(A) Sherman (Ft. Leavenworth)	1 NNE; RR W	771	60 L5 S4	73,91,100 oct. (Kans) (A)
Sky Harbor (Northbrook, Ill)	1.6 NW; RR E	680	26 L S6	80,91 oct. Flare pots. P-line S.
Sky Haven (Bensenville, Ill)	1.5 SE; RR W, N	650	23 S4	80,91 oct. Use strips.
→ State Line Arpk (Stanley)	3.8 NE; hwy E	990	22 S1	80 oct. Obst sur fld. (Kans)
Stinson (La Grange, Ill)	2 SE; hwy SE	644	25 S6	80,91 oct. P-line S, W.
(P) Washington Park (Homewood, Ill)	1.5 SE; hwy E	625	30 S6	80,91 oct. Allway area
Will Co. (Steger, Ill)	0.5 S; RR W	740	15 S6	P-line S. No sto. or fuel
Wooddale (Ill)	1.5 N	711	30 S5	80 oct. Woods SSW; p-
York Township (Lombard, Ill)	2 SSW; hwy N	726	20 S6	80 oct. Use [line W. strips. P-line N, E.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHICAGO	109.9	333.8	132°	IM-	MM- (0.79)	OM- (5.8)
					MMK- 201	OMK- 219
KANSAS CITY	109.9	333.8	173°	IM-	MM- (2.6)	OM- (4.65)
					MMK-221	OMK-248 (11.0)

NEW FACILITIES

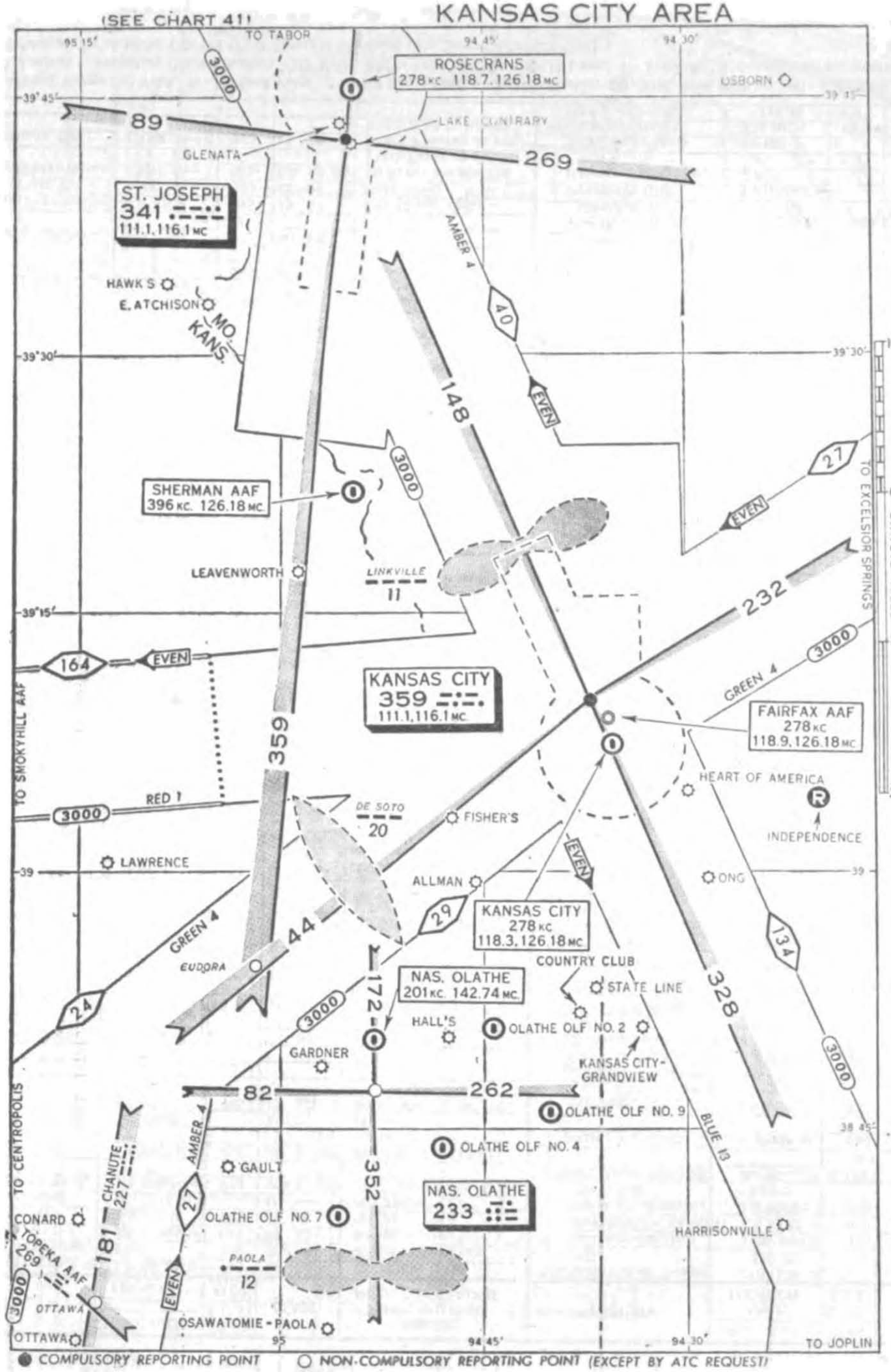
Triangle (Dyer, Ind.)	1.5 NE; RR E	630	33 S4	80,91 oct.
Lakeside (Gary, Ind.)	7.5 W		35 S4	73,80 oct. Data unver.
East Atchison (Rushville)	4.5 SW; riv W	790	24 S2	80 oct. N, NNW blkd. Use strips only. (Mo)
Glenota (St. Joseph, Mo)	6 WSW; riv N	800	26 S2	80 oct. N, E, W blkd. Use strips only.
Lake Contrary (St. Joseph)	6 SW; riv 2 N	800	21 S6	80 oct. Use strips only.
Lake Village (Ind.)	1 NW; hwy S	650	22 S4	80 oct.
Crown Point (Ind.)	2 N	650	27 S6	80 oct. Poles E. NE.
→ Stanley Co. Club (Kans)	2.5 NE; RR SE	975	28 S1	80 oct, Poles SE, SW.
Skyway (Gary, Ind.)	4 WSW; RR W	630	19 S2	80 oct, Wires SE, SW, NW.
Lakeside (Gary, Ind)	7.5 W		35 S4	73,80 oct. Data unver.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (S) - 2182, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on odd guards 116.1, 127 01, 149 56 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: b - hard surfaced runways. L - Lighting facilities. S - Servicing (see page III) → New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

KANSAS CITY AREA

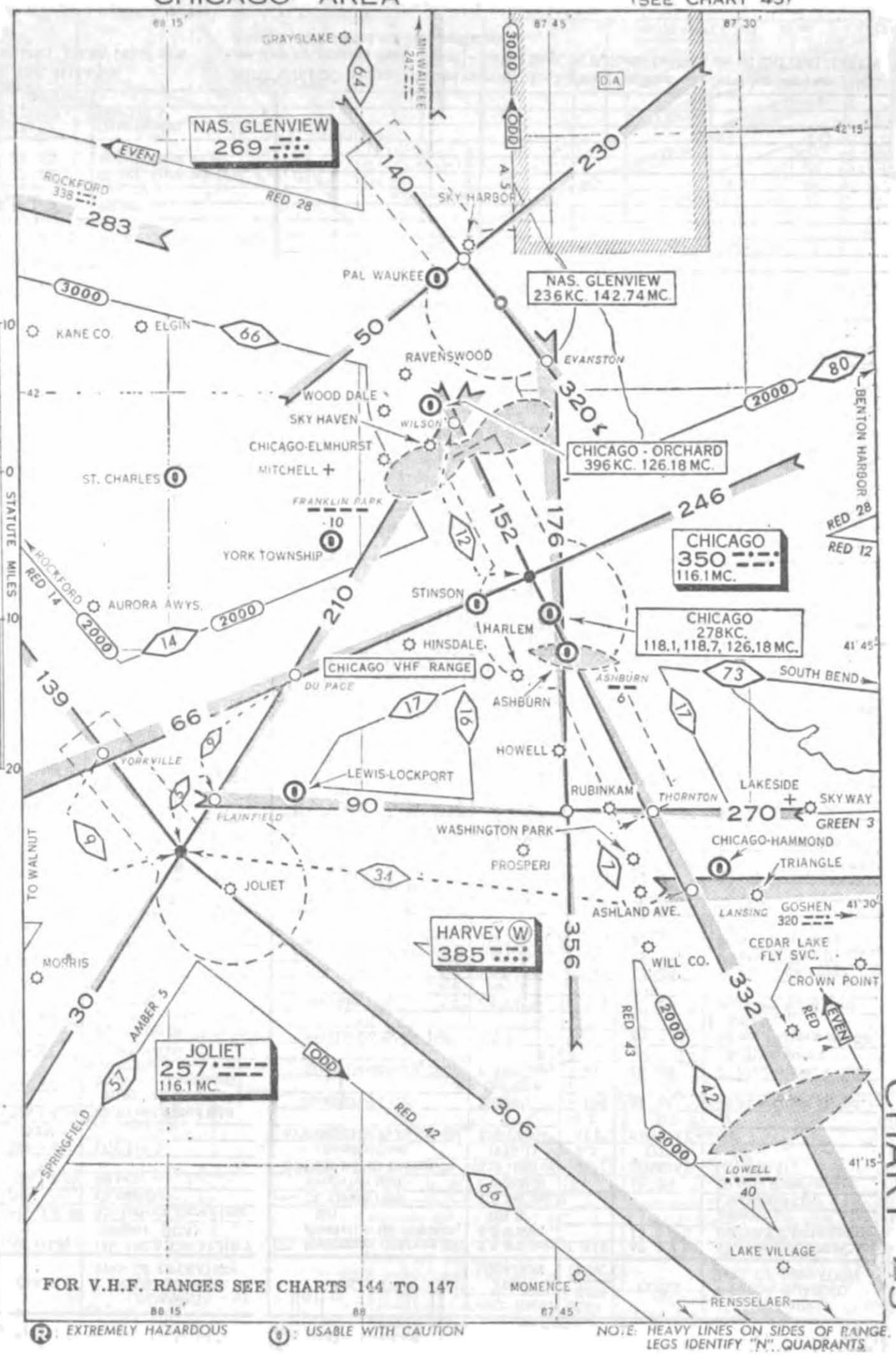
(SEE CHART 41)



● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

CHICAGO AREA

(SEE CHART 45)



R EXTREMELY HAZARDOUS (U) USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 43

CHICAGO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albertus (Freeport,Ill)	3.8 SE;RR S	740	26 S6	73,80 oct. RR W.
Aretz (Lafayette,Ind)	4 NE	500	35 S6	80 oct.Data unver.
Attica (Ind)	2.5 SSE;hwy W	647	26 S2	80 oct. P-line W.
Bellevue (Iowa)	3 N;RR W	652	16 S1	80 oct.
BENDIX Tower (Ind)	278 (118.3)		C	(4); 118.3,122.5
[Bendix](South Bend, Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct.P-line E,S.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct.Port rnwy lgts.
BRADFORD H Fac.(Ill)	382 (MQ)		MHT	(4)
* Bradford Int,29,KC-CG (Ill)	4.5 NNE	795	26 L3 S1	80 oct.P-line SW,NE.
Chain Lakes (South Bend, Ind)	5.2 W;hwy N,S	765	22 S3	80 oct.
Champaign (Ill)	2 NNW;hwy SW	753	28 S6	73,80 oct. W,NW,S blocked.
CHANUTE Army Range (Rantoul) (Ill)	365 (DNU)	43°,3.3	SBMRAZ	(3); 126.18
CHANUTE Tower (Ill)	396(126.18)+		CA	(3); 126.18
(A) Chanute AAF (Rantoul, Ill) (A)	1 SE;RR W	738	63h L5 S6	73,91,100oct.JP-1. Pole N
Cheever (Demotte,Ind)	3 W		29 S1	80 oct. Data unver.
CHICAGO Range (Ill)	350(CG)(116.1)	152°, 2.2	SBRAZ-DTXV	(3); 116.1
CHICAGO Tower (Ill)	278 (126.18, 118.7,118.1)		AC(ILS)	(4); 126.18,118.7,118.1, 122.5 (GCA test basis)
[Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
City (So.Haven,Mich)	4 S;RR W	640	35 S2	80 oct. Trees sur fld.
Clearview (Earlville)	3 E;hwy S		18 S1	80 oct.Data unver.(Ill)
Clinton Fly.Club(Ill)	4.8 NE	720	13	
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct.No sto.Port rnwy lgts.SE,SW,NW.
Cooper (Tuscola,Ill)	1.6 SW;RR E	650	24 S6	73,80 oct.P-line N,NE.
→ Cork (Marshfield,Ind)	2 NW	640	24 S2	80 oct.P-line N.
Cram (Davenport,Ia)	2.5 NW;RR SW	646	21 S6	80,91 oct.
Crown Point (Ind)	2 N	650	27 S6	80 oct.No sto.Poles E, NE
Culver (Ind)	2 E;lake W	815	26	
Danville (Ill)	2.4 SSW;hwy W	640	33 S6	80,91 oct.N blkd.P-line N,NE.Hedge SW
Decatur (Ill)	4 NW	678	29 S6	80,91 oct.P-line S,SW, W, NW.
(P) Decatur Park (Ill)	4 E;RR,hwy S	679	53h L5 S6	80,91 oct.No flood lgts
Dixon (Ill)	1.9 ESE;RR S	786	30 L1 S6	80,91 oct.Apchs blkd except E, NW.
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct. Trees E. (Ill)
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct.Fld lgts prior req. E blkd.
Gamble (Hobart,Ind)	1.8 NNW;hwy S	650	25 S6	80,91 oct.P-line E,NE
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct.P-line E,SE, S, W, SW.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58,142.74
GLENVIEW Nas Tower (Ill)	236 (142.74, 140,58)		CN	(3); 140.58; 3117.5 on req.
(N) Glenview NAS (Ill)(N)	1.6 NW;RR W, E	654	63h L3 S6	91,100 oct.No sto.
Gordon (New Carlisle)	2.8 ESE;RR N	730	13 S1	Fuel avail.Poles E.(Ind)
Halsmer (Lafayette,Ind)	3 ESE;RR S	595	40 L S6	80,91 oct.Port lgts on
Hamilton (Polo, Ill)	2.3 NE	795	25 S3	80 oct.P-line N. req. E blocked.
HARVEY Range (Rubinkam)(Ill)	385 (GH)	90°, 2.2	ML,WZ	
Highland (Perrysville)	2.8 WNW	585	23 S2	Ltd 73 oct (Ind)
Hi-Way (Fiatt, Ill)	1 NE	630	25 S4	Data unver.
(P) [Hulman](Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80.91 oct.No sto.Fld lgts prior req.
Illini (Urbana, Ill)	2 NNE;hwy E	740	5 S6	80 oct.Floares on req. E,SE blkd.P-line SW.
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7 (Exper. GCA)
(P) [Indianapolis](Ind)	8 SW;hwy N	796	53h(L6) S6	73-100 oct.Exper lgtg
Interstate (De Kalb,Ill)	1.8 E;RR W	900	34h	CLOSED.
Jasper Co.(Rensselaer, Ind)	1.5 WNW; hwy S	676	32 L3 S4	80 oct.
JOLIET Range (Int.)(Ill)	257(JO)(116.1)	126°, 3.7	SBRAZ-DTV	(4); 116.1
Joliet, 22, LS-CG (Ill)	5 W;hwy W	580	30h L4 S4	80,91 oct.Flood lgts prior req after 2400.
Kankakee (Ill)	3.2 WSW; hwy E	625	26 S4	73,80 oct.Use strips only.Ditch N.
Kentland (Goodland, Ind.)	4 WNW.	650	25 S4	80 oct.P-line NE.
Kingman Fly Svc.(Ind)	0.5 E;hwy N	710	26 S4	80 oct.No sto.Data ver.
Kishwaukee (Sycamore, Ill)	2.5 SW;riv N, S, E	830	19 S6	80 oct.P-lines N, NW.
LAFAYETTE Range (Purdue Univ.)(Ind)	227 (LF) (116.1)	50°, 2.4	BMLZ-DTV	(4); 116.1
La Porte (Ind)	2.5 SSW;RR W	801	29 L3 S6	80 oct.S&SW blkd.
Lockwood (Frankfort, Ind)	2.5 S;RR W	873	20 S6	80 oct.E,SE blkd.
Logan (Logansport,Ind)	7 S	594	15 S1	80 oct.P-line S.
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct.No sto. Apchs blocked, except SW. Port lgts prior req.
McCOOL H Fac.(Int)(Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
→ Machesney,7.CG-Twin Cities (Rockford,Ill)	6 NNE;riv NW	732	29 L3 S6	73,80 oct.E,S blkd.P-line SE.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct.N,NE blkd. P-line E,SE.
Matanzas (Havana,Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Medbery (Armington)	1 NE	650	26	Data unver. (Ill)
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct.P-line S,W.
Midway (Goshen,Ind)	5 NW		36	Data unver.
MOLINE Range (Ill)	224(MO) (116.1)	142°, 12.0	SBRAZ-DTV	(4); 116.1 (ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req)
(P) [Moline] (Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct.100 oct.for Army. Poles NW.
Monticello (Chalmers Ind)	3 ENE;RR W	650	19 S2	80 oct. Hwy W.
Morton (Groveland)	0.5 NNE;hwy N	792	24 S2	80 oct.P-line N,W.(Ill)
Mt. Hawley (Peoria,Ill)	6.4 N;RR SW	700	28 S6	80,91 oct.P-lines SE,S.
Ockley (Ind)	1 W		23	Pwr lines N,W. SW Trees E.Data unver.
Ottawa (Ill)	Adj NW		22 S2	80,91 oct.Data unver.
Paul S. Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S4	80,91 oct. P-line NE, SW.
Pecatonica (Ill)	1 N;hwy E	750	24 S6	73 oct. P-line E.
Pekin (Ill)	4 S;bet RRs	505	29 S6	80 oct.P-line W,N,E.
PEORIA Range (Ill)	356 (PI)	178°, 2.2	SBMRAZ-DT	(4)
(P) [Peoria] (Ill)	4.8 WSW rd E.	659	44h L5 S6	80,91 oct.No flood or boundary lgts.
Phil-Larry (Roanoke, Ill)	4 W	747	23 S6	80 oct. Data unver.
(P) Plymouth (Ind)	1.5 NW;RR E	898	32 S4	80,91 oct.Poles W,E.
Port O'the Woods (Annapolis,Ind.)	2.2 NNW	560	33 S4	80 oct.Trees E,NE,WSW
Powell Brothers (Sheldon, Ill)	2.2 S;hwy NE	690	20 S2	80 oct.
Princeton (Ill)	3 N;creek N		18 S2	80 oct. Data unver.
Reimer (Lafayette. Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver
ROCKFORD Range (Machesney)(Ill)	338 (RD) (116.1)	45°, 1.7	SBRAZ-DTV	(4); 116.1
(P) Rubinkam (Harvey,Ill)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W
Russell's (Hoopeston, Ill)	6.5 WNW; RR S		13	PRIVATE.Data part. unver.
→ St. David (Ill)	1.5 SW;RR N			ABANDONED.
Sandwich (Ill)	1 W;RR N		18 S4	80 oct. Data unver.
SOUTH BEND Range (Bendix)(Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3); 116.1
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
Springfield (Ill)	3.5 SW; bet RRs	606	31 S6	80,91 oct.Use strips.
Stair (Mulberry, Ind)	0.3 NE;hwy S	650	16 S4	80 oct.No sto. P-line S. Data unver.
Starke Co.(Knox,Ind)	1.7 S		26 S3	80 oct.P-lines sur fld. No sto.
Sterling (Ill)	1.4 NW; hwy E	645	25 S6	80,91 oct.E,SE blkd.
Stockton (Ill)	2.3 SSE	940	18 S1	80 oct. Data unver.
Streator Air Svc.(Ill)	2 ENE;hwy S	650	26 S4	80 oct. P-line E.
Triangle (Dyer,Ind)	1.5 NE;RR E	630	33 S4	80,91 oct.P-line S,SE. Bldg W.
Triangle Air Service (Wellsboro, Ind)	2 NNE; hwy S	800	23 S2	80 oct.
Twin Cities-Ross (Benton Harbor,Mich)	1.5 NNE; RR S	649	38h S6	80 oct. Poles E.
(P) University of Illinois (Champaign, Ill)	5.5 SSW; RR E	752	53h S6	80,91 oct. Flares on req.
Urschell (Valparaiso, Ind)	1.7 NNE; hwy E	766	26 S2	80 oct. P-line N.
* Van Orin Int, 34, OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vermillion (Danville, Ill)	4 E;RR N, SW	650	21 S4	80 oct.30' poles S.
Vogel (La Salle, Ill)	6.5 NNW; RR E	664	26 S2	80.90 oct.Soft when wet Poles N, W.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs. Compass Locator in kcs)*

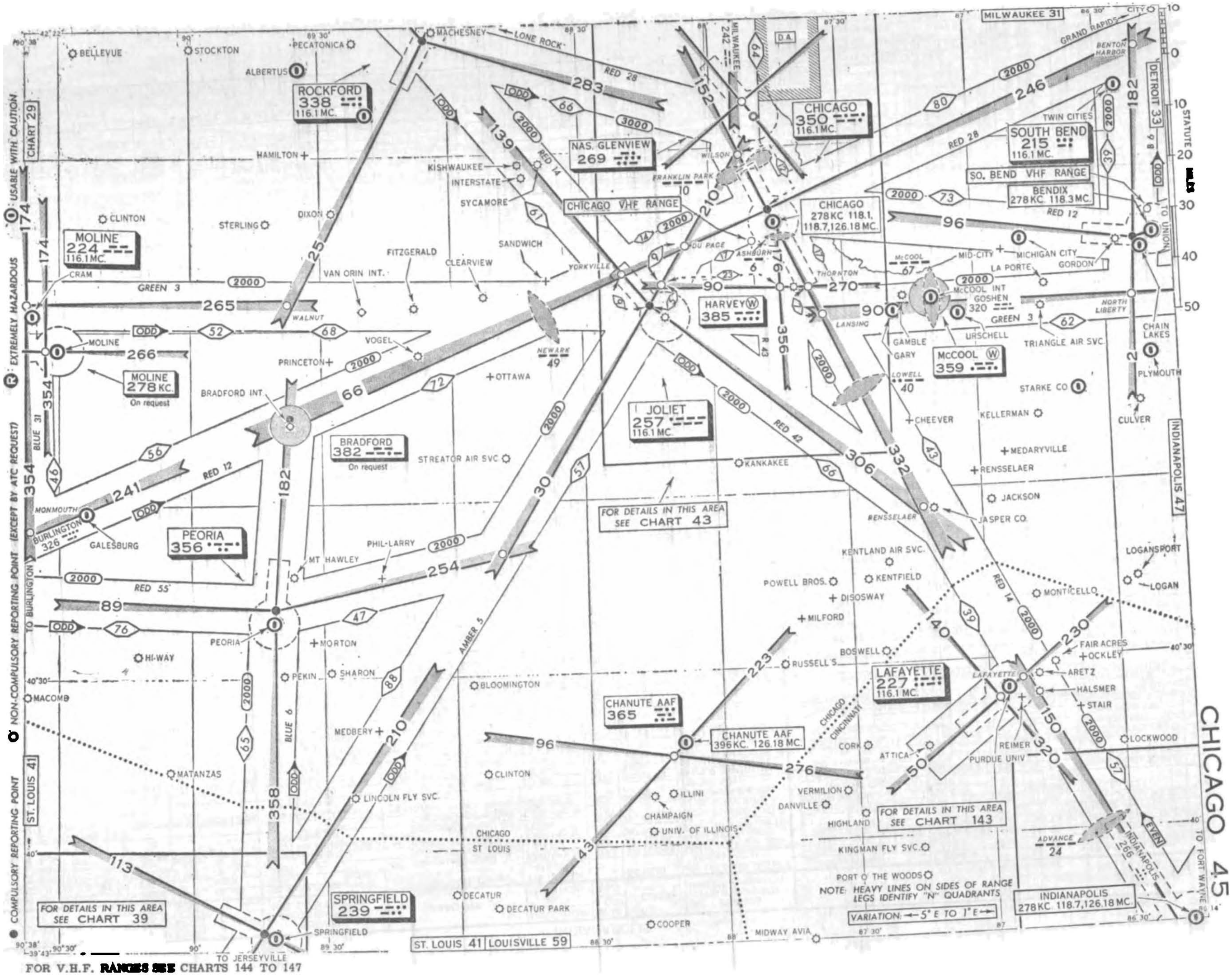
LOCATION	LC/LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CHICAGO	109.9	333.8	132°	MM- •-•-• (0.79)	OM- — — (5.8)
				MMK- 201 •-•	OMK- 219 •-•-•
MOLINE	110.3	335	131°	MM- •-•-• (0.71)	OM- — — (4.4)
				MMK-	OMK
				MM-	OM-
				MMK-	OMK
				MM-	OM-
				MMK-	OMK

NEW FACILITIES

Milford (Ill)	0.5 N; RR E	670	29 S5	80,91 oct, Tank ESE.
Kentfield (Kentland,Ind)	2.4 SSE;RR W	720	22 S4	80 oct.Poles N,NE,SW,W.
Starke Co. (Knox,Ind.)	0.9 S;hwy E	714	29 S6	80 oct.P-lines NE,SE,SW,NW
Mid-City(Mich.City,Ind)	3 S	650	26 S4	80 oct.Wires N,S Data unver.
Stewart Fld.(Danville,Ind)	1.5 E	750	25 S1	80 oct.Wires N,S Data unver.
Elnora (Ind.)	25 SE		18 S1	80 oct.P-lines N Data unver.
Boswell (Ind.)	1.3 ENE;hwy W	740	19 S1	80 oct.P-line SW,W,NW.
Fair Acres(Buck Creek,Ind)	0.3 ESE;RR N	595	24 S2	80 oct.P-line NE,SE,NW.
Skyway(Tolleston,Ind.)	4.5 N	630	18 S1	80 oct.Trees NE.Wires SE,NW
Kellerman Fld(N.Judson,Ind)	1.5 S;hwy E	650	17 S1	80 oct.Wires SE Trees N.
Sharon(Treemont, Ill)	1 SE;RR,hwy N	631	21 S6	80 oct.P-line NE.
Lincoln Fly Svc.(Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N.
Jackson (Francesville,Ind.)	4.8 WSW	675	19 S2	80 oct.
Sycamore (Ill.)	1.4 ESE;riv W	800	25 S6	80 oct.Poles N,SE,NW.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 147

INDIANAPOLIS

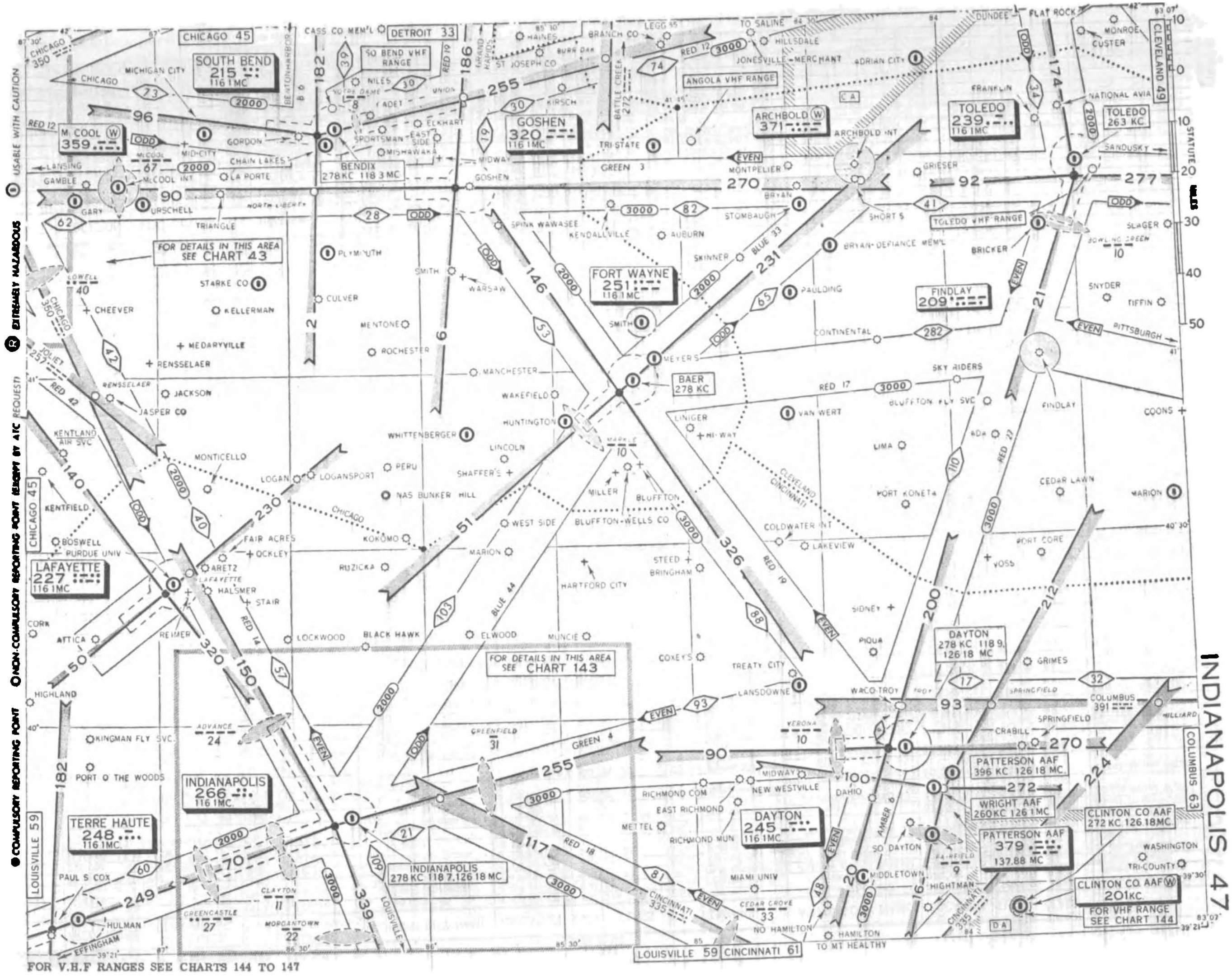
FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adrian City (Adrian)	3 SW;RR N	800	25 S6	80,91 oct. Obsts sur fld.
ARCHBOLD H Fac. (Ohio)	371 (YV)		MHW	(Cont.) (Mich)
* Archbold Int, 18, CG-LG	3.5 NNW;RR N	716	28 L3	(Ohio)
Attica (Ind)	2 S;hwy W	647	26 S1	80 oct. Data unver.
Auburn (Ind)	1.3 NNW;RR E	872	27 S6	80,91 oct. P-lines E,W. Soft when wet.
BAER Tower (Ft. Wayne)	278		C	(4)
(A) [Baer] (Ft. Wayne, Ind)	7.5 SSW; RR E	798	63h L5 S4	91 oct. 100 oct. Army Fld lgts prior req.
BENDIX Tower (So. Bend)	278 (118.3)		C	(4); 118.3, 122.5
[Bendix] (So. Bend, Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct. P-line E,S
Black Hawk (Sheridan)	5.3 N;hwy E	925	17 S2	80 oct. (Ind)
Bluffton-Wells Co.	2.8 WSW;RR S	820	32 S4	(Bluffton, Ind.) 80 oct. P-line
Bricker (Bowling Green)	1 NE;RR W	675	30 S4	80 oct. (Ohio) [NE, ESE.
Bringham (Portland, Ind)	1.5 E;RR E	1020	20	Poles S; 120' tank SW.
Bryan-Defiance Mem'l (Defiance, Ohio)	5.2 NW;riv E	705	31 S2	73,80 oct. P-line S,E.
(N) Bunker Hill NAS (N)	1.8 W;RR N	798	50h	INACTIVE. (Ind)
Cadet (So. Bend, Ind)	6.5 NE;RR E	730	26 S4	80 oct. SE, E, SW, S blkd.
Cass Co. Memorial (Dowagiac, Mich)	1 NW	750	31 S4	80 oct. P-lines E, NE. S blocked.
Cedar Lawn (Kenton)	2.3 S;RR E	975	18 S2	80 oct. Poles E. (Ohio)
Chain Lakes (So. Bend)	5.2 W;hwy N,S	765	22 S3	80 oct. (Ind.)
Cheever (Demotte, Ind)	3 W		29 S1	80 oct. Data unver.
CLINTON CO. AAF Range	114.3 (DWO)		VARW	(8-1630 Mon.-Fri)
CLINTON CO. Army H Fac. (Ohio)	201	220° 0.2	MHW	(8-1630, Mon.-Fri. or on 30 min. notice)
CLINTON CO. Tower (O) (Wilmington, Ohio)	272 (126.18, 137.88)		CA (ILS-W) (GCA)	(3); 126.18, 137.7, 116.1
(A) Clinton Co. AAF (Wilmington, Ohio) (A)	2 SE;hwy NE	1062	60h L5 S1	73, 91, 100 oct. JP-1. Rnwy lgts 1 hr's notice
* Coldwater Int, 4, DY-GO	2 NW;crk NW	898	33 L3	(Ohio)
Coons (Nevada, Ohio)	0.3 NE;RR S		21 S2	80 oct. Data unver.
Cork [Marshfield, Ind)	2 NW	640	24 S2	80 oct. P-line N.
Coxey's (Winchester, Ind)	1 ESE	1088	16 S6	80 oct. P-line S,SW. Stacks NW.
Crabill (Spri ngfld, Ohio)	2.5 SE;RR E	1040	29 S6	80 oct. P-line S.
Culver (Ind)	2 E;lk W	815	26	
Dahio (Dayton, Ohio)	8.5 W;hwy S	925	37 S4	80 oct.
DAYTON Range (Ohio)	245 (DY) (116.1)	90°, 3.2	SBMLZ-DTV	(3); 116.1
DAYTON Tower (Ohio)	278 (126.18, 118.9)		AC (ILS-W)	(4); 122.5, 126.18, 118.9
(P) [Dayton] (Ohio)	10 N;hwy E	1007	55h L6 S6	73, 81, 91, 100 oct.
Dr Haines (Three Rivers, Mich)	See Haines under "New Facilities" - name changed.			
E Richmond (Richmond)	3.7 ESE;RR E	1090	20 L S6	Poles N (Ind) 80 oct. Flares on req.
Elkhart (Ind)	2.7 NNW	752	30 S6	80 oct. N, NE, SE, NW blkd.
Elwood (Ind)	2 S;hwy NW	850	23 S6	80 oct. P-line S.
FINDLAY H Fac. (Ohio)	209 (JF)		BMHT	(4) (cont)
Findlay (Ohio)	1.5 SSW	800	27 L4 S4	80 oct. Obst sur fld.
FORT WAYNE Range (Ind) (Baer Field)	251 (FW) (116.1)	51°, 3.3	BMRLZ-DTV	(4); 116.1, 122.1
Franklin (Toledo, Ohio)	4.5 WNW	630	32 S4	80 oct. Poles sur fld. RR S
Gamble (Hobart Ind)	1.8 NNW; hwy S	650	25 S6	80.91 oct. P-line NE, E
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct. P-line E, SE, S.
Gordon (New Carlisle, Ind)	2.8 ESE; RR N	730	13 S1	Fuel avail. [SW, W Poles E.
GOSHEN Range (Ind)	320 (GO) (116.1)	90°, 2.7	SBRAZ-DTV	(4); 116.1, 122.1
(P) Goshen (Ind)	4.5 SSE	823	39 L3 S6	80,91 oct. P-line S, SE, SW
Grieser (Wauseon, Ohio)	2.5 E;RR N	750	24 S1	80 oct. [Riv S.
Grimes (Urbana, Ohio)	1.5 N;RR W	1055	35 L4 S6	80,91 oct. Fld lgts prior
Halsmer (Lafayette, Ind)	3 ESE;RR S	595	40 L S6	80,91 oct. Port [req. lgts on req. P-line SW.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct. Poles SE, SSW
Highland (Perrysv'l, Ind)	2.8 WNW	585	23 S2	Ltd 73 oct.
Hightman (Lebanon, Ohio)	3 E;RR W	880	16 S1	80 oct. Trees W, E.
Hillsdale (Mich)	1.6 NW;RR E	1160	19 S4	80 oct. Poles NE.
Hi-Way (Decatur, Ind.)	1.5 SW		25 S1	
(P) Hulman (Terre Haute, Ind)	5 ESE hwy N	585	53h L5 S4	80,91 oct. No sto. Fld lgts prior req.
Huntington Mun. (Ind)	2.5 SSE; riv S	825	22 S4	73 oct. P-line W, NW.
INDIANAPOLIS Range (Ind)	266 (ID) (vhf)	75°, 3.3	SBRAZ-DTV	(3); 116.1, 122.1
INDIANAPOLIS Tower	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7 (Exper. GCA)
(P) [Indianapolis] (Ind)	8 SW; hwy N	796	53h (L6) S6	73-100 oct. Exper lgtg.
Jasper Co. (Rensselaer)	1.5 WNW	676	32 L3 S4	80 oct. Hwy S. (Ind)
Kendallville (Ind)	2.2 N;hwy W	996	25 S4	80 oct. No sto. P-line SW.
Kentland (Goodland, Ind.)	4 WNW	650	25 S4	80 oct, P-line NE, [S.
Kingman Fly. Svc. (Ind)	1 ESE; hwy N	710	20 S4	80 oct. P-line N, NE, E.
Kirsch (Sturgis, Mich)	1 NW; RR E	922	24 S4	80 oct. Poles S.E. Use strips only.
Kokomo, mun. (Ind)	4.7 NE	827	40h L5 S2	80 oct. P-line N. Lgts
LAFAYETTE Range (Purdue Univ.) (Ind)	227 (LF) (116.1)	50°, 2.4	BMRL-DTV	(4); 116.1 [prior req.
Lakeview (Montezuma)	1 SW; hwy W	895	24 S2	80 oct. Pole N. (Ohio)
Lansdowne (Greenville) Ohio)	2 ESE; RR N	1208	19 S6	80 oct. Bldgs, hi-line N. Data unver.
La Porte (Ind)	2.5 SSW	801	29 L3 S6	80 oct. S&SW blkd. RR W
Legg (Coldwater, Mich)	1.5 NW	982	32 S4	80 oct. Trees E.
Lima (Ohio)	4 WNW	830	26 S6	80,91 oct. P-line N. RR
Lockwood (Frankfort,	2.5 S; RR W	873	20 S6	80 oct. E, SE blkd. [NE.
Logan (Logansport) (Ind)	7 S	594	15 S1	80 oct. P-line S. (Ind)
Logansport (Ind)	3.5 SW; hwy E	620	25 L S4	80 oct. No sto. Appchs blkd except S, SW. Port lgts prior req.
Manchester (No. Manchester, Ind)	1.5 W; RR E	752	20 S2	80 oct. Poles S.
Marion (Ind)	3.8 SSW; hwy E	832	24 L S6	80,91 oct. P-line NE, E Port lgts on req.
Marion (Ohio)	2.5 WNW	915	28 S2	80 oct. RR S.
McCOOL H Fac. (Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int, 3, CG-LG	2 SW; hwy S	654	24 L3	(Ind) P-line W.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Mettel (Connersv'l, Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
Meyers (Ft. Wayne, Ind)	3 SSE; rd S, E	800	24 S6	80,91 oct. Pwrline NE.
(P) Miami Univ. (Oxford, O)	2.2 WSW; RR W	1040	40 S6	80 oct. Poles N, NW.
Mid City (Mich. City, Ind)	3 S	650	26 S4	80 oct. Wires N
Michigan City (Ind)	4 E; RR N	650	23 S3	80,91 oct. P-line S, W.
(P) Middletown (Ohio)	1.5 N; riv N	653	40 S4	80 oct. Poles E, SW.
Midway (Goshen, Ind)	5 NW		36	Data unver.
Midway (Lewisburg)	3.4 WSW; RR E	1090	26 S4	80 oct. Trees W. (Ohio)
Monticello (Chalmers)	3 ENE; RR W	650	19 S2	80 oct. Hwy W. (Ind)
Monroe (Newport, Mich)	3.5 SSE; lk SE	590	29 S4	80 oct. Trees NE, SE, SW
(P) Muncie (Ind)	3.5 N; RR SW	950	32h L4 S6	80,91 oct. Lgts on req.
National Avia. (Toledo, Ohio)	4.1 NNE; RR E	595	36 S6	91 oct. P-line S, W, NNE
New Westville (New Paris, Ohio)	2.8 S; RR S	1180	21 S1	80 oct. Poles E, NW, SE.
Niles (Mich)	1.5 NE; RR NW	740	28 S2	80,91 oct. P-line NE, N
No. Hamilton (Ohio)	4.5 NNE; RR W	620	19 S4	No sto. Poles S. [blkd.
Ockley (Ind)	1 W		23	P-lines N, W. Trees E.
PATTERSON Army Range (Fairfield) (Ohio)	379 (DPK) (137.88)	32°, 2.96	SBMRAZ-DTV	(4); 137.88 [Data unver.
PATTERSON Tower	396 (126.18)+		CA (ILS-W) :53,13	(4); 126.18
(A) Patterson (Fairfield) (A)	1.6 WSW	819	78h L6 S4	73, 100 oct. JP-1. (Ohio)
Paul S. Cox (Terre Haute, Ind)	3.2 S; hwy W	485	27 S4	80, 91 oct. P-line NE, SW
Paulding (Ohio)	1.8 NE; RR 2 W	720	25 S4	80 oct. S blkd.
Peru (Ind)	3.5 WSW	650	24 S6	80 oct. S, SW blkd. Riv E
Piqua (Ohio)	4 WNW; RR S	1000	19 S2	80 oct. Poles S, SE, SW.
(P) Plymouth (Ind)	1.5 NW; RR E	898	20 S6	80,91 oct. N, SE appch
Port Core (Rushsylvania, Ohio)	1.8 SSW: RR NW	1275	14	Poles NNE [clear.
Port Koneta (Wapakoneta, Ohio)	2, 1 NNE; RR E	900	24 S6	80 oct. SW, W, NW blkd.
Port O'the Woods (Annapolis, Ind)	2.2 NNW creek N	560	33 S4	80 oct. Trees ENE, WSW
(P) Purdue Univ. (Lafayette, Ind)	2.5 W; RR N	605	35h L3 S6	80 oct. No sto. P-line N, stack NE.
Reimer (Lafayette, Ind)	2 S		25 S2 18	80 oct. Data unver. Data unver.
Rensselaer (Ind)	10 NE			
Richmond, com. (Ind)	4 WSW; hwy N	1075	38 L1 S6	80,91 oct. P-line N, E.
(P) Richmond, mun. (Ind)	6 SSE; RR W	1139	55h L5 S1	80,91 oct. No flood lgts.
Rochester (Ind)	1.5 E; RR N	779	25 L S6	80,91 oct. Poles SE, NW, N.
Ruzicka (Kokomo, Ind)	2.5 S; hwy E	800	26 S6	80 oct. Pole E. NE blkd.
St. Joseph Co. (Centerv'l)	5 SE; RR N	830	26	P-line N, NW blkd. (Mich)
Shaffer's (La Fontaine)	5 NE; hwys N, W		19 S4	80 oct. Data unver. (Ind)
Sidney (Ohio)	1 W; RR S		25 S2	80 oct. Data unver.
Skinner (Hicksv'l, Ohio)	1.6 NNW	810	26 S1	73 oct. Obsts sur fld. RRS
Slager (Fremont, Ohio)	2 NW; RR SW	630	19 S6	73, 80 oct. No sto. P-line
Smith (Ft. Wayne, Ind)	4.5 N; bet RRs	831	35h L4 S6	80, 91 oct. Lgts [N, E, SE. prior req.
Smith (Warsaw, Ind)	4 N	790	27 S2	80 oct. P-line NE, SSW.
SOUTH BEND Range (Bendix) (Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3); 116.1, 122.1
So. Dayton (Dayton, O)	5 SSW; RR W	750	32 S6	80 oct. No sto. Hills S.
Spink-Wawasee (Syracuse, Ind)	3.4 E	880	15 S1	80 oct. P-lines N, NE, S, SW.
Sportsman (Mishawaka)	3.7 NE; riv S	760	26 S6	80 oct. Appchs blkd exc. N, NW.
Springfield (Ohio)	4.2 ESE: RR N	1050	27 L4	80 oct. No sto. [(Ind.) Lgts prior req.
Stair (Mulberry, Ind)	0.3 NE; hwy S	650	16 S4	80 oct. No sto. P-line S.
Starke Co. (Knox, Ind)	1.7 S	714	26 S3	80 oct. P- [Data unv. lines sur fld. No sto.
Steed (Portland, Ind)	1.5 NW; hwy E	1000	24 S4	80 oct. P-line N, NE.
Stonbaugh (Bryan, Ohio)	0.5 S		24 S4	80 oct. No sto. Fence E; wire W. Data unver.
TERRE HAUTE Range (Hulman) (Ind)	248 (TH) (116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Tiffin (Ohio)	1.9 N; RR W	750	26 S4	80 oct. Poles E.
TOLEDO Range (Ohio)	239 (TL) (116.1)	10°, 2.7	SBMRAZ-DTV	(3); 116.1
TOLEDO Tower (Ohio)	263		C	(4)
(P) Toledo (Ohio)	8.2 SSE	623	42h L5 S4	80, 91, 100 oct. RR W.
Treaty City (Greenv'l)	1.5 NNE	1060	20 S4	80 oct. P-line W. (Ohio)
Triangle (Wellsboro)	2 NNE; hwy S	800	23 S2	80 oct. (Ind) Hwy W
Tri-Co. (New Holland)	3 ESE; RR N	850	21 S1	80 oct. (Ohio)
(P) Tri-State (Angola, Ind)	4.2 W; lk W	900	35 S4	80, 91 oct. P-line SE, S, SW
Urschell (Valparaiso)	1.7 NNE; hwy E	766	26 S4	80 oct. P-line N. (Ind)
Waco-Troy (Troy, Ohio)	1.8 SW; RR E	870	30 S6	80 oct. No sto. All appchs
Van Wert (Ohio)	1 WSW; hwy S	785	26 S6	80, 91 oct. Poles [blkd. N, S, NW, NE.
Voss (Lewistown, Ohio)	5 WNW; hwy S		24 S2	80 oct. P-line S. Data unv.
Wakefield (Huntington)	4 N; hwy E	750	30 S4	80 oct. P-lines SE, SW. (Ind)
Washington (Wash. C.H.)	4.5 ENE; RR S	910	22 S3	80 oct. P-line S. (Ohio)
West Side (Marion, Ind)	2.5 NW; hwy S	835	26 S6	80, 91 oct.
Whittenberger (Wabash)	1.5 NNW	770	20 S2	80 oct. Hwy E. (Ind)
WRIGHT Tower (Ohio)	260 (126.1)		CA	3105, 4495; 126.1
(A) Wright (Dayton, Ohio)	5 ENE; RR	800	72h L5	(A)

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mes, Compass Locator in dcs)

LOCATION	LC/LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK
DAYTON	110.3	335	55°	IM-	MM-	OM- — — (4.4)
					MMK-	OMK
INDIANA-POLIS (L6)	109.9	333.8	44°	IM-	MM- (0.89)	OM- — — (4.3)
					MMK- 201	OMK- 219
PATTERSON (A)	108.7	333.8	210°	IM- (0.09)	MM- (1.12)	OM- — — (4.5)
					MMK-	OMK

NEW FACILITIES

Mishawaka (Ind)	2 SE	700	35 S4	80, 91 oct. NNE, SSW
East Side (Elkhart, Ind)	2.5 E; RR N	750	28 S1	80 oct. [NNW, SSE blkd.
Kentfield (Kentland, Ind)	2.4 SSE; RR W	720	22 S4	80 oct. Poles N, NE, SW, W.
Starke Co. (Knox, Ind)	0.9 S; hwy E	714	29 S6	80 oct. P-lines SW, NW, NE,
Custer (Monroe, Ind)	2.5 WNW	612	40 L1 S2	80 oct. Trees N, W, S, [SE.
Branch Co. (Coldwater, Mich)	2.7 WSW; RR S	990	31 S4	80 oct. Hi-lines sur fld. Data
Miller (Liberty Ctr, Ind)	1 NE	800	21 S4	80 oct. Data unver. [unver
Warsaw (Ind)	3 NNE		30 S1	80 oct. Wires S, N, NE Data
Stewart (Danville, Ind)	1.5 E	750	25 S2	80 oct. Wires N, S, [unver.
Skyway (Tolleston, Ind)	4.5 N Griffith	630	18 S1	80 oct. Trees NE; wires SE,
Boswell (Ind)	1.3 ENE; hwy W	740	19 S1	80 oct. P-line SW [NW. Data unv.
Fair Acres (Buck Crk, Ind)	0.3 ESE; RR N	595	24 S2	80 oct. P-line NE, W, NW.
Elnora (Ind)	0.4 SE		18 S1	80 oct. P-lines NE, SE, NW.
Ada (Ohio)	1.5 NNW; hwy E	945	22 S4	80 oct. [Data unver.
Bluffton Fly. Svc. (Ohio)	1.3 ESE; hwy N	845	20 S4	80 oct. W blkd.
Liniger (Preble, Ind)	0.8 ESE; hwy N	750	24 S3	80 oct. P-line NE, SW, W.
Hartford City (Ind)	1.5 W	910	18 S1	Wires N. Data unver.
Kellerman (N. Judson, Ind)	1.5 S; hwy E	650	17 S2	80 oct. Wires SE.
Snyder (Fostoria, Ohio)	1.5 ENE; RR S	762	26 S4	80, 91 oct. W blkd.
Mentone (Ind.)	2 SW	800	22 S4	80 oct. P-line S.
Lincoln Fld. (Dora, Ind.)	3 SSW; hwy S	830	21 S1	80 oct. P-line E.
Short's (Archbold, Ohio)	1.2 WNW; RR SE	728	20 S2	80 oct. S blkd.
Bryan (Ohio)	2.8 N; RR SE	810	38 S1	80 oct. S, SW blkd. P-line W.
Continental (Ohio)	2 S; RR NW	726	35 S1	80 oct. N, E, W blkd.
Jackson (Francesville, Ind.	4.8 WSW	675	19 S2	80 oct.
Haines (Three Rivers,	2.3 NE; riv SE	820	26 S2	80 oct. N, E, S blkd. (Mich)
Jonesville-Merchant (Jonesville, Mich)	2.5 WSW; lakes S	1070	22 S2	80 oct. Trees SE. P-line NE
Sky Riders Inc (Pandora)	0.7 W; RR S	770	22 S2	80 oct. P-line SE, NW. (Ohio)
Montpelier (W. Jefferson)	0.8 NW; RR N	890	24 S2	80 oct. P-line N, NE, W. (Ohio)
Navarrie (Woodland Beach Mich)	2 WSW; RR W	680	30 S6	80, 91 oct. P-line NE, SE, S.


USABLE WITH CAUTION
HAZARDOUS
NEW BY AIC REQUEST
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
CHICAGO 45
SOUTH BEND 215 116.1MC
CASS CO MEM'L
DETROIT 33
SO BEND VHF RANGE
M. COOL (W) 359
GOSHEN 320 116.1MC
BENDIX 278KC 118.3MC
ANGOLA VHF RANGE
ARCHBOLD (W) 371
TOLEDO 239 116.1MC
TOLEDO 263 KC
CLEVELAND 49
TOLEDO VHF RANGE
FOR DETAILS IN THIS AREA SEE CHART 43
FORT WAYNE 251 116.1MC
BAER 278 KC
FINDLAY 209
LAFAYETTE 227 116.1MC
INDIANAPOLIS 266 116.1MC
TERRE HAUTE 248 116.1MC
INDIANAPOLIS 278KC 118 7.126 18 MC
FOR DETAILS IN THIS AREA SEE CHART 143
DAYTON 245 116.1MC
DAYTON 278 KC 118 9, 126 18 MC
PATTERSON AAF 396 KC 126 18 MC
WRIGHT AAF 260KC 126.1MC
PATTERSON AAF 379 137.88 MC
CLINTON CO AAF 272 KC 126.18MC
CLINTON CO AAF (W) 201KC
FOR VHF RANGE SEE CHART 144
LOUISVILLE 59
CINCINNATI 61
COLUMBUS 63
INDIANAPOLIS 47
FOR V.H.F RANGES SEE CHARTS 144 TO 147

CLEVELAND

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS OF OPER., REMARKS
BISHOP (Flint)	278	C	(4);118.3,122.5
DETROIT CITY (Detroit)	278(118.5)	C	(4);122.5
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
DETROIT	338 (D)	MHW;329°,2.2	(Cont.) Detroit
FLINT	335(FN)(116.1)	MHTV	(3);116.1
ROMULUS	230(DT)(116.1)	SBRAZ-DTV;86°, 2.8	(3); 116.1
SAGINAW	212 (SI)	MHT	(4) (cont.)
SALINE FM	(- - -)	FM, 261°, 20	Romulus
SELFRIDGE (Mt. Clemens)(Army)	388 (DLD)	SBMRAZ;119°,2.0	(3); 126.18
→ Selfridge Field	396 (126.18, 137.88) +	CA(ILS-W)	(3);137.88
WIXOM FM	341 (DYF)	FM;344°,20	Romulus
WILLOW RUN (Ypsilanti)	332(118.7)	C(ILS-W)	(4);118.7

OHIO

AKRON	362(AX)(116.1)	BMRLZ-DTV	(3); 116.1
Akron Airport	272(118.9)	C; 45°, 0.4	(4);122.5,118.9
AKRON LFM	(-)	LFM, 45°, 4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM, 201°, 10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°, 13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-DTXV; 100°, 0.7	(4);116.1
ELYRIA FM	(- - -)	FM, 280°, 10.9	Cleveland
FINDLAY	209 (JF)	BMHT	(4) (cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4) (cont.)
→ HOMERVILLE FM			DECOMMISSIONED
NORTH ROYALTON LFM	(- -)	LFM,145°, 10.8	Cleveland
PERRY (Int.)	332(PE)(116.1)	MHTV	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-DTV	(3); 116.1
Toledo Airport	263	C; 10°, 2.7	(4)
VERMILION FM	(. . - - -)	FM; 280°, 26	Cleveland

CANADA

WINDSOR, ONT.	353(QG)	SBRAZ-T;243°,3.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SELFRIDGE (A)	109.5	332.6	184°	IM- (0.23)	MM- ····· (0.83)	OM- -- (4.31)
					MMK-	OMK-
WILLOW RUN			50°	IM-	MM-	OM-
					MMK 341 — (0.65)	OMK 356 — (5.80)
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (6)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.50 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW, blkd
Ann Arbor	4 S	835	28 L3 S6	80 oct. NE blkd. SW
Baker's (Port Huron)	3 NNW;RR NNE	585	27 S6	80 oct. Poles N,S,NE.
Berz(Birmingham)	1.5 E;RR SW	700	32 S2	90,91 oct. N blkd.
Big Beaver	0.8 E;hwy W	650	21 S6	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW;RR NW	781	50h R2 L5 S5	80,91 oct. P-line N
Burns (Detroit)	8.5 WSW;RR N	625	15 S6	80 oct. SW blkd.
Caro	3 WSW;RR SE	741	22 S2	80 oct. S,SE blocked.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct. Pole line N
Croswell City	1 W;RR,riv E	732	26 S1	80 oct. S blocked.
Dalton (Flushing)	2.2 E;riv SW	735	26 S4	80 oct N,S, blkd
(N) Detroit NAS (N)	17 SSW	594	47h R1 L5 S6	91,100 oct. P-line E.
DETROIT CITY	5.5 NE;RR S	625	53h R1 L4 S6	80,91 oct. Fee, com acft ARPT OF ENTRY.
Ford (Detroit)	8.8 SW;RR N	600	37h	PRIVATE.
Forrest (Fostoria)	3.4 S;riv SE	830	24 S1	80 oct. Poleline sur fld.
Gridley (Ypsilanti)	4.4 WSW;RR NW	840	24 S5	80 oct. Pole E; woods N.
Hance (Wyandotte)	2.5 W;hwy N,E	590	28 S6	80 oct. N blckd.
Hartsell Air Term. (Wayne)	3.5 NW;RR E	675	18 S6	80 oct. P-line E, trees ENE, W, WSW, WNW
Howell	0.8 N;lake E	930	20 L1 S1	80 oct.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct. Bcn prior req.
Krist-Port (Farmington)	3.8 N;jct rds	860	27 S6	80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE;RR S	830	34 S6	80 oct. Poles NW; bldg W,SW.
McEnnan (Ypsilanti)	2.7 SSW;rd E	738	23 S4	80 oct. Rd S.
McKinley (Fraser)	1.3 NW;RR E	620	27	Pole line E,NE.
Mettetal (Plymouth)	1.5 SSE;RR E	700	23 S6	73,80 oct. Poles N.W.
Milan	3.8 SW;RR SE	705	23 S2	80 oct. Poleline N
Monroe (Newport)	3.5 SSE;lk SE	590	29 S4	80 oct. Trees NE,SE, SW.
→ Nan-Bar (Flat Rock)	1 ENE;RR N	590	26 S4	80 oct. P-line NE,E.
Nat'l Flying Service (Detroit)	11.5 WSW;RR N	635	29 S4	80 oct. Poles NE,NW.
(N) Newport OLF (N)	3 W, hwy E	608	20h	
Pontiac	6.4 WNW	970	21h L4 S6	80,91 oct.
(NG) Romulus AAF (A)	See Wayne Co. under "New Airports" - name changed.			
Roseville	0.5 S;hwy W	610	31 S6	80 oct. SE,SW blocked
Saginaw	4.5 E;RR N	601	33 R1 L4 S4	80,91 oct. Poles S,SE,SW
St. Clair Co. (Port Huron)	5.5 SW;hwy S	650	23 L1 S5	80 oct. Poles NE,SE,SW,NW Lgts on req.
Seely's (Davison)	4 WSW;RR N	780	20 S6	80 oct. N,NE blocked.
(A) Selfridge (Mt. Clemens)(A)	3 E;lake NE	583	60h R3 L5 S6	73,100 oct. JP-1. Poles E. FOREIGN CLEAR STATION.
Skyhaven (Saginaw)	2 NNW;riv E	600	29 S2	80 oct. Trees NE.
Stinson (Wayne)	1.4 SW;RR E	664	25h	P-line NNE. PRIV.
Tecumseh	1.8 NNE;riv SW	815	26 S6	80 oct. P-lineS. Wblkd
Thomas B. Joy (Detroit)	See Joy under "New Airports" - name changed.			
Triangle (Plymouth)	1.5 ESE;hwy S	700	26 S4	80 oct. 30' poles N.
Warren	1.6 WNW;RR E	625	23 S1	73 oct. Pole line N.
Washtenaw (Ann Arbor)	5 W	867	26 S2	80 oct. Hi-line S. Data unver.
West's (Clio)	4 SW;rd E	690	21 S2	80 oct.
(P) Willow Run (Ypsilanti)	4 E;RR N; riv S	715	74h R2 L5 S1	90,100 oct. Rdo rec required.
Wings (Utica)	2.5 SW;RR E	630	23 S1	73 oct. N,NE blocked.

OHIO

(P) AKRON	3.4 SE;RR W	1042	44h R2 L5 S4	80,100 oct. No sto. ARPT OF ENTRY.
Ashland	1.8 N;hwy W	1079	28 S4	80, 91 oct. Poleline W E blocked
(P) Bricker (Bowling Green)	1 NE;RR W	675	30 S4	80 oct.
Coons (Nevada)	0.3 NE;RR S		21 S2	80 oct. Data unver.
Fenwick (Kellys Island) (NC)	1.3 NE;bay N	600	15	W blkd, trees S. Rough.
Findlay	1.5 SSW	800	27 R1 L5 S4	80 oct. Hwy NW.
Franklin (Toledo)	4.5 WNW; RR S	630	32 S4	80 oct Pole line all sides.
Gage (Mansfield)	4.5 W;RR S	1360	13 S6	80 oct. Trees E.
Galion	1.5 WNW	1155	18 S2	80 oct. RR SE
* Hayesville Int, 27, LV-CV	2.5 WNW; hwy E	1300	30 R1 L3	
Hinde (Sandusky)	2.8 E;RR S	574	30 S6	80 oct. P-line SE,S. ARPT OF ENTRY.
Kent State	2.8 W;RR S	1120	36 S4	80 oct. No sto. Pole line N.
Ling (Barberton)	3 WSW;RR N	1150	30 S6	80 oct. Obsts sur fld
McKinley (Canton)	2.3 NE;hwy SE	1100	32 S4	80 oct. Poles N,S,E.
Mansfield	3.8 N;RR E	1300	56h S6	80,91 oct.
Martin (Canton)	4 NNE;hwy SE	1080	30 L S6	80 oct. Pole line sur fld.
Medina Prichard (Medina)	3 WNW;RR NW,SE	1060	29 S6	80 oct. No sto. Poles S. Rnwy data unver.
Miller (North Benton)	1.5 W;RR SE	1070	28 S4	73 oct. Poles S.
National Aviation (Toledo)	4.1 NNE;RR E	595	38 S6	91 oct. Pole line S,W, NNE.
Noble (Massillon)	4.5 NNE;hwy W	1080	22 S6	80 oct. No sto. Poles SSW. Const. E/W rnwy
Norwalk	0.8 NE;RR W	700	18 S2	80 oct. Poles W,SW.
Norwalk Airpark(NC)	2 NNE;RR W	690	29 S6	80 oct. Poles W,SW.
Parks Airpark (Norwalk)	4.5 S;hwy E, W	880	28 S2	80 oct. House NE,E.
Peninsula (Port Clinton)	3.5 E;RR S	587	36 L3	
* Perry Int, 4B, CV-AZ	2.3 NE;RR S	692	26 R1 L3	Poles E.
Port Bucyrus (Bucyrus)	2 S;RR NW,E	1000	26 S6	80 oct. Poles E.
Put-In-Bay	1.2 SSW	590	16	Pole line NW. PRIV. ARPT OF ENTRY.
Slager (Fremont)	2 NW;RR SW	630	19 S6	73,80 oct. No sto. Pole line N,E,SE.
Snyder (Fostoria)	1.5 ENE;RR S	762	26 S4	80,91 oct. W blkd.
Taylorcraft (Alliance)	2.5 NNE;RR SE	1080	22h S5	80 oct. No sto. Poles sur fld.
Tiffin	1.9 N;RR W	750	26 S4	80 oct. Poles E.
(P) TOLEDO	8.2 SSE;RR W	623	42h R2 L5 S4	80,91,100 oct.
Wellington	Adj NW;RR W	850	20 S2	80 oct. Stacks NE. Data unver.
Westfield (LeRoy)	1.2 SSE;RR E, S	1030	25 S4	80 oct. Pole line W. Rnwy data unver.
Willard	1.6 SSW;RR NE	960	29 S6	80 oct. Poles S,W.
(P) Wooster	3 NNE;hwy SE	1150	32 S6	80 oct. Poles S,SE.

NEW AIRPORTS

Akron-Canton, (Ohio)	See Akron-Canton Arpt-Co. Fld under "New Arpts".			
(NG) Wayne Co. (Detroit, Mich) (NG)	16 SW;RR N	630	61h R1 S3	100 oct. Mech maint NG ARPT OF ENTRY.
Lodi (Ohio)	2.2 NE;hwy E	1135	25 S4	80 oct. Poles W, bldg NE
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW.
Akron-Canton Arpt-County Fld (Canton,	8.5 NNW;RR W	12.7	56h L6 S1	80,91 oct.
Newton Falls (Ohio)	2 SW;RR E	950		
Tuttle Fld (North Madison, Ohio)	2.2 NW;lk N	625	16	80 oct, N blkd, P-line S.
Whiteley (Alliance, Ohio)	2 ESE;RR W	1065	16 S1	80 oct. N,S blkd.
→ Marlette (Mich)	1.3 N;hwy W	825	18 S1	80 oct. Trees S,NW.
→ Dauner (Fenton, Mich)	1.5 N;lk W	890	26 S1	80 oct. P-line W,NW.
Motor City Sky Park → (Flint, Mich)	3.7 E;RR S	755	21 S1	80 oct. Trees NE,NW.
Flat Rock (S. Rockwood → (Mich)	2.8 W;hwy W	600	24 S4	80 oct. P-line NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

CLEVELAND 49

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS
Ⓞ USABLE WITH CAUTION

NOTE: HEAVY LINES ON LEGS IDENTIFY AIRWAYS OR ROUTES.

DETROIT AREA

DETROIT 33
JAMES CLEMENTS
SKYHAVEN
SAGINAW
SAGINAW 212
CARO
MARLETTE
CROSWELL CITY
FLINT 335 (116.1)
On request
FORREST
DALTON'S
WEST S
BISHOP 278 (118.3)
MOTOR CITY
SEELYS
LAPEER
BAKERS
ST CLAIR CO MUN
MICH CAN
ALLEN'S
CENTER
OXFORD
PONTIAC
SELFRIDGE AAF 388
SELFRIDGE AAF 396 (126.18, 137.88)
ROMULUS 230 (116.1)
HOWELL
WIXOM 20
WASHTENAW
ANN ARBOR
GRIDLEY
McENNAN
SALINE
MILAN
DUNDEE
TECUMSEH
CUSTER
MONROE
NEWPORT OLF
FLAT ROCK
WILLOW RUN 332 (118.7)
NAN-BAR
GROSSE ILE NAS 269 (142.74)
NATIONAL AVIATION
MICH OHIO
FRANKLIN
TOLEDO 263
DETROIT CLEVELAND
OHIO 6 D.A.
PUT-IN-BAY
PENINSULA
MITCHELL BAY
BOWLING GREEN
BRICKER
TOLEDO 239 (116.1)
SLAGER
HINDE
NORWALK
TOLEDO V H F RANGE
SNYDER
TIFFIN
FINDLAY
PARKS
WELLINGTON V H F RANGE
WILLARD
MANSFIELD
FINDLAY 209
ADA
BLUFFTON FLT SVC
PORT BUCYRUS
GAGE
GALION
DAYTON 245
COLUMBUS 63
COLUMBUS 391
HAYESVILLE
HAYESVILLE 329
TO NEWARK
TO PITTSBURGH
TO WELLSBURG
CLEVELAND V H F RANGE
VERMILION
ELYRIA
SANDUSKY
AVON LAKE
BRECKSVILLE
CLEVELAND 344 (116.1)
FOR DETAILS IN CLEVELAND AREA SEE CHART 141
PERRY 332 (116.1)
PERRY
TUTTLE
CLEAR CREEK 248
ERIE 371
TO ERIE
TO YOUNGSTOWN
NORTH ROYALTON
PARKMAN
NEWTON FALLS
KENT STATE
AKRON 362 (116.1)
AKRON 272 (118.9)
MEDINA PRICHARD
LODI
LING
WESTFIELD
ASHLAND
WOOSTER
MILLER
TAYLORCRAFT
WHITELEY
AKRON-CANTON
McKINLEY
NOBLE
MARTIN
CLEVELAND PITTSBURGH
TO FORT WAYNE
TO TROY
TO LANSING
TO BURR OAK
TO ARCHBOLD
TO BUFFALO 51
CAN OHIO
MICH OHIO

WIXOM 20
BIG BEAVER
McKINLEY
BERZ
KRIST-PORT
WARREN
THOMAS B. JOY
ROSEVILLE
WINDSOR
DETROIT CITY 278
DETROIT (W) 338
METTETAL
BURNS
TRIANGLE
NATIONAL FLY SVC.
HARTSELL AIR TERM
FORD
STINSON
HANCE
WAYNE CO
ROMULUS 230 (116.1)
SCALE OF MILES

WINDSOR 353
CLEAR CREEK 248
CHATHAM
GREEN 2
RED 59
RED 20
RED 1
RED 12
RED 17
RED 21
RED 27
AMBER 6
BLUE 11
BLUE 15
GREEN 3
CLEVELAND
PERRY
AKRON
FOR V.H.F. RANGES SEE CHARTS 144 TO 147

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→ Albert (Wallaceton, Pa)	3 ENE;rd N	1750	38 S5	80 oct. P-line sur fld. except W.
Angola (N.Y.)	1.4 N;RR SE	610	15 S1	80 oct.
Arcade (N.Y.)	2 N;RR E,W	1740	22 S4	Ltd 80 oct. No sto.
Ashtabula (Ohio)	3.1 W;lake N	621	17 S2	80 oct.
Audubon (Getzville, N.Y.)	1.7 SSW;RR N,SW	580	19 S6	80 oct.
(P) Batavia (N.Y.)	2.4 NNE;rd W	910	30 S6	80 oct. P-line W. Trees E.
Becker (Brockton, N.Y.)	0.7 S;RR S	320	15	
Bernard (Youngstown, Ohio)	3.4 E;lake NE	1140	28 S6	73,80 oct. P-line N,S,W.
Bird (Youngstown, Ohio)	2.6 NE;RR W	1000	23 S4	80,91 oct. P-line W, N.
Braebreeze (Marchand, Pa)	0.3 N;RR NW	1600	18 S2	80 oct. Trees N,NE.
Brockway (Pa)	1.3 NE	1700	18 S2	80 oct. Trees SE,NW
Brokenstraw (Youngsville, Pa)	2.6 W;RR S	1230	19 S6	80 oct. P-line NE,SW,WSW
→ BROOKVILLE H Fac. (Pa)	391(BR)(116.1)		MHT	(4); 116.1 Manned 7-23
★ Brookville Int, 45A, CG-LG (Pa)	2 WSW;RR E	1416	30 L3	Trees E,W,SW.
Buffalo Arpk (Gardenville, N.Y.)	1.5 ENE;rd S	680	27 S6	80 oct.
BUFFALO Range (N.Y.)	260(BJ)(116.1)	230°, 0.9	SBRAZ-DTXV	(3); 116.1
→ BUFFALO Tower (N.Y.)	278 (126.18, 118.5)		AC(ILS-W)	(4); 126.18,122.5,118.5
(A) [Buffalo] (N.Y.)	6.1 ENE;RR NE	711	56h L6 S6	80-100 oct; 100 oct. Army. ARPT OF ENTRY.
Butler-Alameda (Butler, Pa)	3.4 WNW	1340	24 S6	80 oct. P-line E.
CLEAR CREEK Range (Ontario, Can)	248 (QO)		BRAZ-T	(4)
Clearfield (Pa)	1.5 WSW;RR SE	1220	20 S1	80 oct. P-line NE.
Conneaut (Ohio)	See Lakeville			
Conneaut Lake (Pa)	1.7 WSW;hwy SE	1250	19 S3	80,91 oct. P-line SE end.
Conway (Pa)	0.7 N	950	24 S4	80 oct. Hill N Rnwy data
Country Club (Clarence, N.Y.)	2.3 E;RR S	800	36 L S6	80 oct. Trees SW. unver. Port lgts on req.
County (No. Tonawanda, N.Y.)	3.4 E;RR SW	577	21 S4	80 oct.
DUNKIRK H Fac. (N.Y.)	239(DK)(116.1)		MHTV	(4); 116.1
(P) Dunkirk (N.Y.)	3 E;RR N,S	692	40h L5 S6	80, 91 oct.
Dubois (Pa)	1.7 ESE;RR NE	1575	30 S6	80, 91 oct. P-line W.
→ ERIE Range (Port Erie) (Pa)	371(ER)(116.1)	64°, 2.0	SBMRAZ-DTV	(4); 116.1 (ILS-W)
Erie City (Kearsarge, Pa)	0.5 W;hwy E	900	29 L S6	80,91 oct. Port rnwy lgts. P-line SE.
Erie County (Erie, Pa)	11.6 SW;hwy N	805	24 S6	80 oct. P-line SSE,NW.
Falconer (N.Y.)	1.3 NNE;RR S	1250	22 S4	80 oct. Obsts sur fld.
Fredonia (N.Y.)	3.5 W;RR SE	620	26 S2	80 oct. P-line N,E.
Gowanda (N.Y.)	1.4 NNW;crk W	760	22 S6	80 oct. No sto.
Graf (Lockport, N.Y.)	2.8 N;RR S	380	15 S6	80 oct.
Green (Ridgeway, Pa)	3 NW;hwy 1 E	1720	21 S1	80 oct.
Greenville (Pa)	3 W; RR E	1180	17 S2	80 oct. P-line S,SW.
→ Grove City (Pa)	2.1 SSE;RR E	1275	22 S6	80,91 oct.
Hall (Warren, Ohio)	3.5 ENE;RR NW	900	26 S2	73,80 oct. Poles E.
Hamburg Arpk (N.Y.)	2 NNW;RR,hwy W	722	23h S4	80 oct. P-line NE.
Harri-Emery (Bradford, Pa)	2.3 WSW;hwy N	1490	20 S4	80 oct.
→ Hayes (Blasdell, N.Y.)	0.7 SSE;RR E,W			ABANDONED.
Jamestown (N.Y.)	4.1 N;hwy E	1719	27h S6	80 oct. Trees S.
Keystone Park (Emporium, Pa)	0.5 SW	1210	15	P-line SW,NE.
Kylertown (Pa)	1 WNW	1660	40 S6	80 oct. Trees N,WNW.
Lakeview (Burt, N.Y.)	2.2 W;RR S	300	13	
Lake View (N.Y.)	1.5 E;hwy W	750	19 S2	80 oct.
Lakeville (Conneaut, Ohio)	2 ESE;RR N	670	18 S4	80 oct. P-line N,NE,NW.
Lee (Lockport, N.Y.)	1.8 SSE;hwy N	640	18h S2	80 oct. P-line N.
(P) McKean Co. (Bradford, Pa)	11 S;RR SW	2140	45h S4	80,91 oct.
Medina (N.Y.)	2 W;RR S	500	21 S1	80 oct. Obsts sur fld.
→ Mercer (Pa)	4.8 NNE;RR W	1300	22 L1 S6	80 oct.
Merry's Pymatuning (Linesv'l, Pa)	1.5 NW;RR E	1200	21 S2	80 oct. P-line NNE.
MILBROOK Range (Pa)	109.1 (MC)		VARW	
Mount Jewett (Pa)	0.8 ESE;hwy N	2240	19 S2	80,91 oct. Trees NE,W.
NIAGARA FALLS Tower (N.Y.)	272 (126.18)		CI	(4); 126.18,122.5 (7-21)
(P) [Niagara Falls] (N.Y.)	4.5 E;hwy S	587	55h L5 S4	80-100 oct. P-line E.
→ New Castle (Pa)	4 WNW;hwy SE	1080	29h S6	80,91 oct.
NEW FACILITIES				
→ Sharpsville Arpk (Pa)	5 ENE	1110	18 S2	80 oct.
→ Slyder's (Emporium, Pa)	4 ESE;RR 1.7 W	2000	20 S2	80 oct.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→ Olean (N.Y.)	1.8 SE;riv N	1440	30 S4	80,91 oct. Trees W,N;hills S
Orchard Park (N.Y.)	2.2 N;hwys W	775	20 S3	80 oct.
Osceola Mills (Pa)	0.5 NE;hwy N	1640	26 S2	80 oct. P-line E.
Palmer (Olcott, N.Y.)	1.2 SSW;RR S	315	17 S2	73 oct. P-line E.
Parker Cramer (Clarion, Pa)	1 ENE;riv N	1480	28 S6	80,91 oct. Trees N,E,S.
→ Patterson (Beaver Falls, Pa)	1.5 S;riv SE	1020	27 S4	80 oct.
Penn-Mead (Meadville, Pa)	3 SSW;hwy E	1365	20 S2	73 oct.
Pembroke Arpk (E. Pembroke, N.Y.)	2.5 W;hwy S	900	17 S2	80 oct. Trees SW,W.
Penn-Mead (Meadvi lle, Pa)	4 SW;hwy E	1365	20 S3	80 oct. Trees N,E,S,W.
Perry Central (N.Y.)	1.7 NNW;lk SSW	1400	23	P-line, trees N,E.
Perry (Mars, Pa)	5 E;hwy E	1060	25 S6	80 oct. N blocked.
PHILLIPSBURG Range (Pa)	224(MJ)(116.1)	169°, 5.0	SBRAZ-DTV	(4); 116.1 (Black Moshannon)
PHILIPSBURG Range (Pa)	108.7 (MJ)		VARW	
Philipsburg, 51A, CG-LG (Pa)	See Black Moshannon, 51A, CG-LG under "New Facilities" -name changed.			
Pittsburgh-Butler (Butler, Pa)	6.2 SSW;hwy E	1235	49 L1 S6	80 oct. Flood lgts on req.
[Port Erie] (Erie, Pa)	6 WSW;RR SE	735	45h L6 S6	80,91 oct P-line E,S
Port Lawrence (Corry, Pa)	1.2 S;RR N	1745	23 S2	80 oct. Trees SE,W,NW.
Port Meadville (Meadville, Pa)	3.4 W;hwy S	1400	32h L4 S6	80,91 oct. Flood lgts on req.
Port Warren (Warren, Ohio)	1.5 N;RR W		24 S1	80 oct. Data unver. Trees
→ Punxsutawney (Pa)	3 NE;hwy .5 S	1470	22 S2	80 oct. P-line SSE,ESE,S,NE
Ripley (N.Y.)	1.4 WNW;lake N	650	22 S4	80 oct. No sto.
St. Mary's (Pa)	3.2 ESE;RR W	1900	21	
Salamanca (N.Y.)	1.6 W;RR, N,S	1370	12 S6	80 oct.
Scott (Lancaster, N.Y.)	1.5 E;RR N,S	680	22 S1	80 oct. P-line SW. Rnwy data
Shawnee (North Tonawanda, N.Y.)	4.5 NNE;riv SE	580	33 S6	80 oct. P-line E,W. unver.
Sheridan (Williamsville, N.Y.)	2.5 NE;hwy SE	640	38 S6	80 oct. No sto.
Silver Creek (N.Y.) (NC)	1 WSW;hwy SE	720	11	Trees E,NW.
Silver Springs (N.Y.)	0.5 E;lake NE	1420	15 S1	80 oct.
→ Sky Harbor (Williamsfield, Ohio)	1 S;hwy E			ABANDONED.
Splane Memorial (Oil City, Pa)	4.1 NNW;hwy E	1490	22h S6	80,91 oct. Trees N,E,S
Springville (N.Y.)	1.5 NE;RR W	1395	26 S4	80 oct. P-line N,E. Rnwy data unver.
Steffen (E. Amherst, N.Y.)	3.5 N	582	22 S6	80 oct. Obsts sur fld.
Swaney (E. Liverpool, Ohio)	4.9 NW;crk SE	1170	22 S2	80 oct.
Titusville (Pa)	3.7 WSW	1600	23 S6	80 oct. Pwr line E,NE.
Tonawanda (N.Y.)	3 SSW;RR E	610	30h S4	80 oct. Rough. Obsts sur fld.
TORONTO Range (Ontario, Canada)	368 (YZ)	17°, 4.0	SBRAZ-TX	3105, 6210, 3117.5
Transit (Depew, N.Y.)	2 SSW;RR N	670	13 S2	80 oct. Trees, bldg E.
Tyndall (Warren, Ohio)	6 NNW;RR E	940	28 L1 S4	80 oct. N,S,W blkd.
Utahville (Pa)	1 N;RR S	1800	22 S6	80 oct. Ltd 91 oct.
Warren (Pa)	2 WSW;RR N	1100	23h S6	80 oct. P-line WNW.
Warren Airways (Ohio)	2.3 WNW;hwy N	900	25 S4	80 oct. Trees S,WNW.
Watson (Youngstown, Ohio)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
Werle (Dunkirk, N.Y.)	1.8 ENE;RR N,S	640	22 S1	80 oct. Poles, trees sur fld.
Westfield (N.Y.) (NC)	1.5 WSW;hwy N	758	18	S blocked.
Wilson Flying Field (N.Y.)	2.5 SSW;RR NW	310	18	ESE blocked.
YOUNGSTOWN Range (Ohio)	212(CT)(116.1)	185°, 3.4	BMRLZ-DTV	(3); 116.1
YOUNGSTOWN Tower (Ohio)	278		C	(4)
[Youngstown] (Ohio)	11 N;hwy E	1178	39h L5 S6	80,91 oct. 100 oct. on req.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

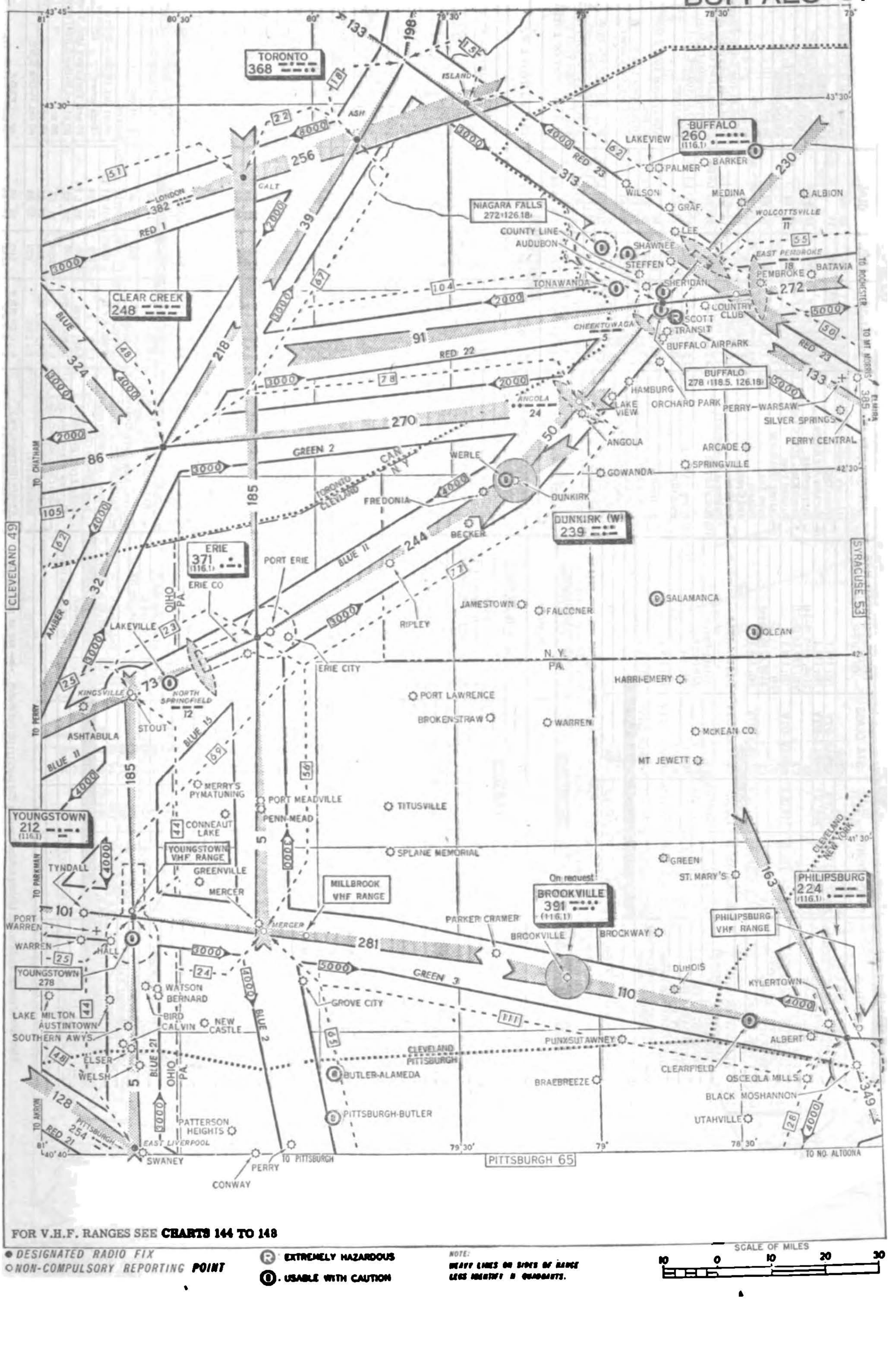
LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BUFFALO	109.9	333.8	232°	IM-	MM- ·—·—(0.66)	OM- ——(4.20)
					MMK-	OMK-201 —·—·
→ PORT ERIE	110.3	335	60°	IM-	MM- ·—·—(0.62)	OM- ——(4.35)
					MMK-	OMK-

NEW FACILITIES				
Lake Milton (Ohio)	0.4 W;lake E	950	17	Rough. P-line NE,E.
Southern Airways (Woodsworth)	2.5 NNW;hwy N	1040	27 S4	80 oct. E blkd. (Ohio)
Welsh Fly. Svc. (No. Lima, Ohio)	2.4 S;hwy, lk E	1155	18 S1	80 oct. E blkd.
Elser (No. Lima, Ohio)	1.2 NW;hwy E,S	1060	18 S1	80 oct. Trees E,W.
Calvin (No. Lima, Ohio)	2.8 WNW	1165	23 S1	80 oct. N,NNW,SSE blkd.
Austintown (Ohio)	0.8 SSE;hwy N	1160	31 S4	80 oct. E,W blkd.
→ Perry Fly. Svc. (N.Y.) (NC)	3.3 W;RR 3 W	1640	21	P-line NNE. Reported ABAND.
Perry-Warsaw (Perry, N.Y.)	3 WNW;hwy N		15 S2	80 oct. Data unver.
→ Brookfield (Ohio)	0.8 W;RR W			ABANDONED
Black Moshannon, 51A, CG-LG	7 E;hwy N	1940	30h L3	(Philipsburg, Pa)
Stout (No. Kingsville, Ohio)	1 E;RR N,S	710	30 S2	80 oct. N blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

BUFFALO 51


TORONTO 368
BUFFALO 260 (116.1)
NIAGARA FALLS 272 (126.1B)
CLEAR CREEK 248
DUNKIRK (W) 239
ERIE 371 (116.1)
YOUNGSTOWN 212 (116.1)
BROOKVILLE 391 (116.1)
PHILIPSBURG 224 (116.1)
YOUNGSTOWN 278
BUFFALO 278 (118.5, 126.1B)
LONDON 382
ISLAND
ASH
GALT
LAKEVIEW
PALMER
BARKER
WILSON
MEDINA
ALBION
GRAF.
WOLCOTTSVILLE
LEE
COUNTY LINE
AUDUBON
SHAWNEE
STEFFEN
EAST PEMBROKE
PEMBROKE
BATAVIA
TONAWANDA
SHERIDAN
COUNTRY CLUB
SCOTT
TRANSIT
CHEEKTOWAGA
BUFFALO AIRPARK
LAKE VIEW
HAMBURG
ORCHARD PARK
PERRY—WARSAW
SILVER SPRINGS
PERRY CENTRAL
ANGOLA
ARCADE
SPRINGVILLE
GOWANDA
WERLE
DUNKIRK
FREDONIA
BECKER
PORT ERIE
ERIE CO
LAKEVILLE
KINGSVILLE
NORTH SPRINGFIELD
STOUT
ASHTABULA
MERRY'S PYMATUNING
CONNEAUT LAKE
YOUNGSTOWN VHF RANGE
GREENVILLE
MERCER
TYNDALL
MILLBROOK VHF RANGE
PORT WARREN
WARREN
HALL
LAKE MILTON
AUSTINTOWN
SOUTHERN AWYS.
WATSON
BERNARD
BIRD
CALVIN
NEW CASTLE
ELSER
WELSH
PATTERSON HEIGHTS
EAST LIVERPOOL
SWANEY
CONWAY
PERRY
TO PITTSBURGH
ERIE CITY
RIPLEY
JAMESTOWN
FALCONER
SALAMANCA
OLEAN
N. Y.
PA.
HARRI-EMERY
PORT LAWRENCE
BROKENSTRAW
WARREN
McKEAN CO.
MT JEWETT
TITUSVILLE
PORT MEADVILLE
PENN-MEAD
SPLANE MEMORIAL
GREEN
ST. MARY'S
CLEVELAND NEW YORK
PARKER CRAMER
BROCKWAY
BROOKVILLE
On request
PHILIPSBURG VHF RANGE
DUBOIS
KYLERTOWN
GROVE CITY
PUNXSUTAWNEY
ALBERT
CLEARFIELD
OSCEOLA MILLS
BLACK MOSHANNON
UTAHVILLE
BRAEBREEZE
BUTLER-ALAMEDA
PITTSBURGH-BUTLER
CLEVELAND
PITTSBURGH
PITTSBURGH 254
RED 21
TO AKRON
TO PARKMAN
TO PERRY
CLEVELAND 49
TO CHATHAM
TO ROCHESTER
TO MT MORRIS
ELMIRA
SYRACUSE 53
TO NO. ALTOONA
PITTSBURGH 65
RED 1
RED 22
RED 23
GREEN 2
GREEN 3
BLUE 7
BLUE 11
BLUE 15
BLUE 2
BLUE 21
AMBER 6
CAR N Y
TORONTO CLEVELAND
OHIO PA
256
313
230
91
270
86
324
218
185
5
39
32
244
110
281
163
128
133
349
FOR V.H.F. RANGES SEE CHARTS 144 TO 148
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R EXTREMELY HAZARDOUS
U. USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF BLOCK LESS IMPORTANT IN QUADRANTS.
SCALE OF MILES
10 0 10 20 30

RADIO

NEW YORK

LOCATION	FREQ., IDENT.	BEAR. & DIST.	STA. CLASS	FREQS. GUARDED, HRS. OF OPER., REMARKS
DANSVILLE MH Fac.	212 (DA)		MHW	
ELMIRA Range (Chemung Co.)	385 (EA)(116.1)	75°,1.8	SBRAZ-DTV	(4); 116.1
ROCHESTER Range	206 (RC)(116.1)	298°,2.2	BMRLZ-DTV	(4); 116.1
Rochester Tower	278		CI	3105, 4495 (8-24)
ROME AAF Tower	396 (126.18)+		CA	(4); 126.18 (8-22)
SYRACUSE Range (Mun.)	350 (SR)(116.1)	178°,2.2	SBRAZ-DTV	(3); 116.1
Syracuse Mun. Tower	278		C	(4)
TRI-CITIES Tower	278		CI	3105,6210 (days)
UTICA Range	350 (UA)(116.1)	151°,3.0	BMRLZ-DTV	(4); 116.1

PENNSYLVANIA

ALLENTOWN Range (Allentown-Bethlehem)	320 (XA)(116.1)	102°,2.7	SBMRAZ-DTV	(4);116.1,122.1
LAKE CAREY FM	(- - - -)	360°,20.8	FM	Wilkes-Barre
SLATINGTON FM	(- - - -)	290°,12	FM	Allentown
SUNBURY MH Fac.	353(SV)(116.1)		MHTV	(4);116.1
SUNBURY Range	108.3 (SV)		VARW	
WILKES-BARRE Range (Wilkes-Barre-Scranton)	272 (WI)(116.1)	91°,4.0	SBMRAZ-DTV	(4); 116.1
WILLIAMSPORT Range	375(IA)(116.1)	281°,7.0	BMRLZ-DTV	(4); 116.1

NEW RADIO FACILITIES

WATERTOWN(N.Y)	109.1(WB)		VARW	
ALLENTOWN Range (Pa)	109.1(XA)	178°,5.7	VARW	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 31175 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct. blkd.
Martins Creek (Belvidere)	3 SSW;riv SE	340	26 S6	80,91 oct. P-line N,ENE,SE

NEW YORK

Angelica	1.5 WSW;RR N		18 S1	80 oct. Data unver.
Auburn	3.7 NNW;lake E	525	24 S4	80 oct.Poles,trees sur fld
Bath-H'sport	2 SSW;hwy SE	725	18 S1	80 oct.Hill 0.6 E.Data unver.
Binghamton	7.2 NNE;RR NW	940	18 S2	80 oct. Trees N.
Bonnie Brae (Owasco) (NC)	1.7 SW;RR W	960	17	Cattle on fld.
Boonville	4.5 ESE;riv NE	1273	29 S1	80 oct. Obsts sur fld.
Brizee (Pittsford)	2 E; RR N	422	25 S4	80 oct. Pole line S, N.W.
Canastota	1.3 WSW;RR N	540	22 L1 S1	80 oct.
Carthage	1 E; RR NW	740	20 S1	80 oct. L1-line W.
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1	80 oct. Pole line E.
(P) CHEMUNG CO. (Elmira)	6.5 NW;RR S	951	40h R1 L5 S4	80,91,100 oct.
Cicero	0.5 NW;lake SW	416	21 S4	80 oct.
Colgate University (Hamilton)	5.4 N; RR W	1178	25 S6	80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct. Pole line W.
Community (Whitesville)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S.
Cortland	1.8 WSW	1144	30 S6	80 oct. Wooded ridge E.
Costa's (Painted Post)	2.7 NW	960	16 S1	80 oct. Trees W, NW.
Crowner (Wellsville)	1 W; RR E	1506	22 S2	80 oct. Obsts sur fld.
(P) Dansville	1 NW; RR NE	662	40h L3 S6	80 oct. Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1	80 oct. Trees S,W
Elmira	2 SSW;RR E	890	16	Trees adj NE,S.
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14	Trees WSW
Fulton	2.6 NNE;rd W	469	40h L2 S4	80 oct.No sto.Lgts prior req.
Fulton Airpark	0.5 W;riv E	360	20 S6	80 oct.Brush WNW Rnwy data unver.
Hancock (NC)	1.5 SSE;RR E	905	17	Hills SSE,NNW.
Hilton	2.6 WSW;RR N	325	16 S1	80 oct. 3' fence E,S,SE.
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4	80 oct. Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S;RRs N,S,W	525	27 S6	80 oct. Trees E.
Ithaca	1.3 NW;inlet E	386	25h L1 S6	80,91 oct.
Keyes-Oneonta (Oneonta)	1.5 W	1000	27 S4	80 oct. Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1	80 oct. Pole line E.
Ladd's (Mexico)	0.6 W;RR N	383	20 S1	Ltd 73 oct.Pole line NE.
Martin (Montour Falls)	1 NE;RR W,E	460	13 S4	80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1	80 oct. Pole line S.
Meacham-Genesee (Rochester)	6 S; RR N	564	22 L S6	80 oct. Floodlgts in emerg.

NEW FACILITIES

→ Palmyra Arpk (N.Y.)	1 N		24 S4	80 oct.Data unver.
→ Blue Swan (Sayre,Pa)	2.7 WNW;riv E	800	29 S6	80 oct.Trees ESE,mtn WNW.

h-hard surfaced runways. P-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Mercury (Hammondsport)	1 WSW;RR N	750	15 S2	80 oct. Hill W. CLOSED
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E.
→ Moravia Air Haven	1 NW; RR E			ABANDONED.
Narrowsburg	0.6 NNE;RR E	700	18 S4	80 oct. Mtns N, NE.
* Newark Int. 27A, CV-AZ	1.3 NNW;rd N,E			ABANDONED
Painted Post	4.4 SW;RR W	950	19 S2	80 oct. Trees E, W.
→ Parker (Palmyra)	2.8 S; RR N			ABANDONED.
Penn Yan	1.1 S; lake W	850	20 S2	80 oct.
Pulaski	See Ross Arpk. under "New Airports" - name changed.			
Red Creek	0.8 SSE;RR N	355	18 S1	80 oct.
Richland	0.6 NE;RR SW	560	21 S4	80 oct.Hi-line S.No Sto.When wet
Ridgeway (Rochester)	3.7 W;canal ESE	530	18 S1	80 oct.Pole lines W,NW,SE.Ctr
(N) ROCHESTER	3.7SW;riv S	549	44h R2 L5 S6	80,91 oct.ARPT OF ENTRY NATS(Hospital flights)
(A) Rome AAF (A)	2.5 NE	473	63h R1 L5 S6	62,73,91,100 oct. JP-1.
Rushville	2.5 NNE	1120	20 S1	Data unver.
Scottsville	1 N; RR W	600	10	Allway area: 1000 x 1000'.
Seneca Falls	2.2 SE	490	28 S2	80 oct.
Sidney	1 WSW;RR SE	1012	24 S4	80 oct. Pole line S.
Smithport Inc. (Utica)	3.5 SSE	1150	20h S1	80, 91 oct. Data unver.
(P) Syracuse	3.5 NNE;hwy W	419	55h	
SYRACUSE MUNICIPAL	5.9 WNW;RR N	396	50h R2 L5 S6	80,91 oct. Rdo rec rqrd.
(P) Tri-Cities (Endicott)	3.5 WSW;riv S	840	35h R1 L3 S6	80,91 oct.Wooded ridge W,ESE
Utica	7.8 NW;hwy S	525	31 R1 L1 S6	80,91 oct.Twr W;hill N;trees E.
Warren Eaton (Norwich)	2.5 N;riv,RR E	1015	20 S1	80 oct. Wooded ridge E.
(P) WATERTOWN	5.9 WNW;hwy N	325	50h L5 S4	80,91 oct. ARPT OF ENTRY

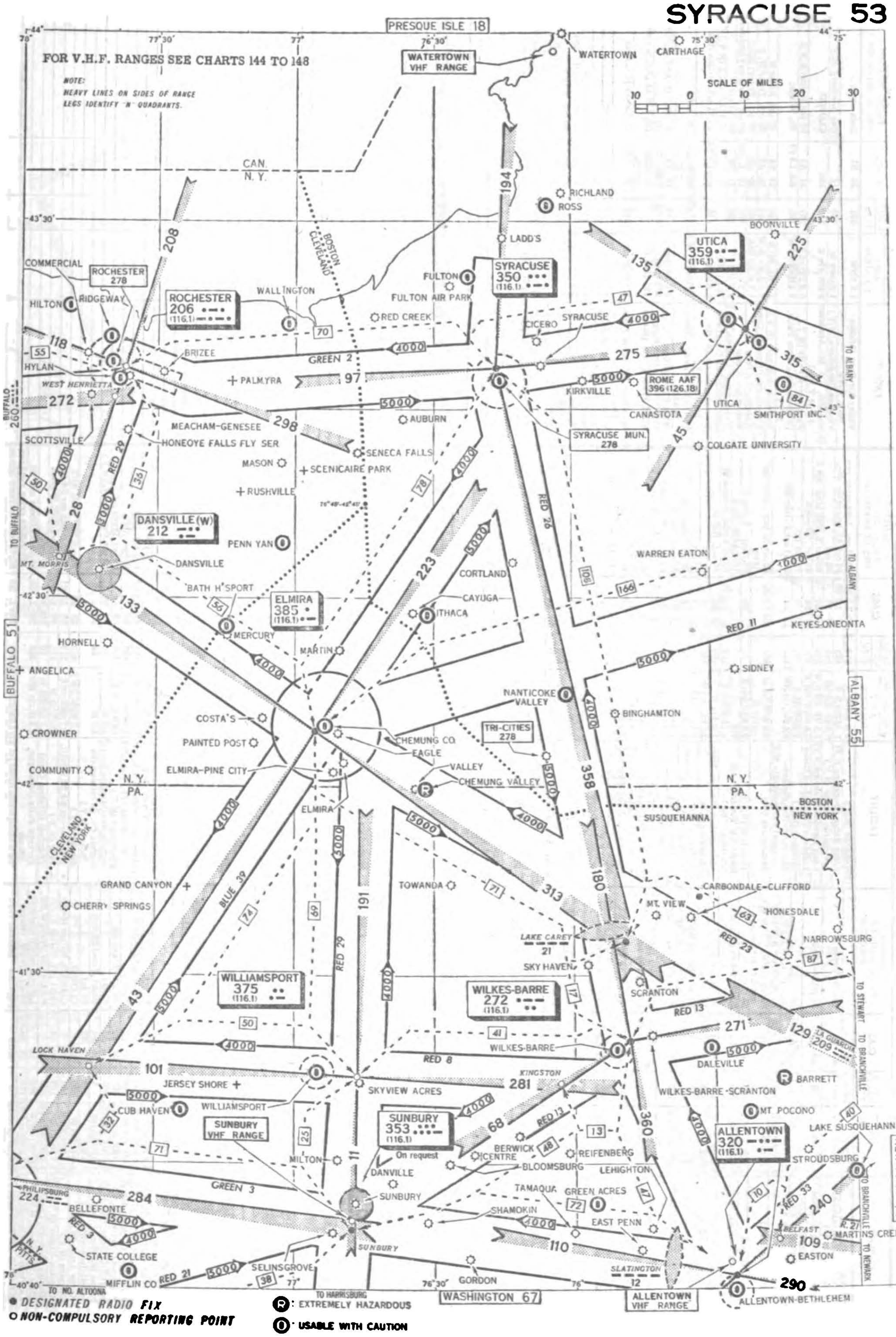
PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	392	40h R1 L5 S6	80,91 oct. Trees E,W.
Barrett (Canadensis)	1.8 N	1450	18	
Bellefonte	4.3 ESE;hwy N	1045	21 L3 S6	80, 91 oct.
Bloomsburg	0.8 ESE;riv S	478	32 L5 S6	80,91 oct.Pole lines SW,E.
(P) Chemung Valley (Athens)	1.8 NNW;riv E	850	25 S6	80 oct.
Cherry Springs (Galeton)	10 SW;hwy 1 S	2265	15 S2	80 oct. Trees W,SE,NW
Cub Haven (Lock Haven)	1.7 E;RR S	550	25h S6	80 oct. Pwr line E.
Daleville	0.6 N;hwy W	1775	17 S4	80 oct. Hill S. Stack SW.
Danville	2.2 SW;RR N	480	22 S3	80 oct. Hill SE.
Easton	3.5 NNW;RR W	380	22 S6	73-91 oct. Pole line N.
East Penn (Andreas)	1.5 NE;hwy S	860	18 S6	73 oct.
→ East Scranton (Scranton)	7.3 ESE;lake E			ABANDONED.
Gordon	1.8 W; RR E	960	18 S2	80 oct. Hill S.
Green Acres(Beaver Meadows)	2S	1260	20 S4	80, 91 oct. Pole line ENE
→ Lehighton	0.9 WSW;hwy NW	502	18 S6	80 oct. Trees WSW.
Mid Valley (Olyphant) (NC)	3 N; rd NE	1580	20	
Milton	0.8 S;RR W	450	27 S6	80 oct. P-line W,SW.
Mt. Pocono, 21, BJ-LG	1.5 NW;hwy NE	1925	26h L3	Trees NE.
Mt View (Nicholson)	4.8 ENE;crk NW	1280	21 S2	80 oct, Hill SE,trees NW.
Reifenberg (Hazleton)	5.8 NNW;rd E	1146	21 S4	80 oct.
Scranton	7.2 WNW	1150	24h L3 S6	73-91 oct.Fld lgts prior req.
Selinsgrove	1.1 N;hwy E	450	25 S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE;RRs W	1100	16 S2	80 oct.
Skyhaven (Tunkhannock)	0.3 S; RR N	639	20 S6	80,91 oct.P-line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	17 S6	80 oct. P-line NW
Stroudsburg-E Stroudsburg (Stroudsburg)	2.5 NNE;RR S	480	22 S6	80 oct.
(P) Sunbury	2 NNE	443	35 S4	80 oct. No sto.
* Tamaqua Int, 61B, CG-LG	2.2 WNW;hwy W	1260	30 L3	
→ Towanda	1.5 SSE;RR W	700	25h S2	80 oct. ENE,NE blkd. emerg
→ Wilkes-Barre-Wyoming Val'y	3.5 NNE;riv S	546	35h L3 S4	80, 91 oct. Lgts prior req or
(P) WILLIAMSPORT	5.1 E; riv S	526	43h R1 L5 S6	80,91 oct.Lgts emerg only.

NEW AIRPORTS

Nanticoke Valley Arpk (Maine,N.Y.)	4 NNE;hwy E	975	18 S2	80 oct.Data unver.
→ ScenicAire Park (Geneva,N.Y.)	3 S;lake E	550	27 S4	80,91 oct.
→ Valley (Sayre, Pa.)	See Blue Swan under "New Airports" - name changed.			
→ Wilkes-Barre-Scranton	10 NE;riv N	950	52h R1 L5	80,91 oct. (Wilkes-Barre,Pa)
Jersey Shore (Pa)	1.5 E	530	28 S4	Lgts on req. Data unver
Ross Arpk (Pulaski)	3 SE; riv N	500	25 L S6	80 oct. Port rnwy lgts. Trees
Skyview Acres,(Muncy,Pa.)	1.4 NE;cty SW	500	26 S2	80,91 oct.P-line S,SE WSW
→ Grand Canyon (Wellsboro,Pa)	5.2 WSW	2000	31 S2	80 oct.
Mifflin Co (Reedsville,Pa)	2.7 N;hwy W	830	37 S4	80 oct.
Berwick (Pa)	2.2 ENE	620	22 S4	80 oct.P-line E,NE.
Centre (Berwick,Pa.)	6.5 WSW;RR N	500	25 S6	80 oct.E blkd.
Susquehanna (Pa.)	1.2 W;riv S	1000	17 S2	80 oct. Data unver.
Wallington (Sodus,N.Y.)	2.5 ESE;RR S		17 S2	80 oct.Wires S.Ctn when wet.
Carbondale-Clifford (Carbondale,Pa.)	7 NW;lks SE	1520		1 E Clifford.

SYRACUSE 53


PRESQUE ISLE 18
FOR V.H.F. RANGES SEE CHARTS 144 TO 148
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
WATERTOWN VHF RANGE
WATERTOWN
CARTHAGE
SCALE OF MILES
10 0 10 20 30
CAN.
N. Y.
RICHLAND
ROSS
LADD'S
BOONVILLE
UTICA 359 (116.1)
SYRACUSE 350 (116.1)
ROCHESTER 206 (116.1)
ROCHESTER 278
COMMERCIAL
HILTON
RIDGEWAY
WALLINGTON
FULTON
FULTON AIR PARK
RED CREEK
CICERO
SYRACUSE
BRIZEE
GREEN 2
PALMYRA
WEST HENRIETTA
HYLAN
KIRKVILLE
ROME AAF 396 (126.18)
UTICA
CANASTOTA
SMITHPORT INC.
SYRACUSE MUN. 278
COLGATE UNIVERSITY
MEACHAM-GENESEE
HONEOYE FALLS FLY SER
SCOTTSVILLE
AUBURN
SENECA FALLS
MASON
SCENICAIRE PARK
RUSHVILLE
DANSVILLE (W) 212
PENN YAN
DANSVILLE
MT. MORRIS
BATH H'SPORT
ELMIRA 385 (116.1)
MERCURY
CORTLAND
CAYUGA
ITHACA
WARREN EATON
KEYES-ONEONTA
HORNELL
MARTIN
ANGELICA
SIDNEY
NANTICOKE VALLEY
BINGHAMTON
COSTA'S
CROWNER
PAINTED POST
CHEMUNG CO.
EAGLE
VALLEY
CHEMUNG VALLEY
TRI-CITIES 278
COMMUNITY
ELMIRA-PINE CITY
ELMIRA
SUSQUEHANNA
BOSTON NEW YORK
GRAND CANYON
CHERRY SPRINGS
TOWANDA
CARBONDALE-CLIFFORD
MT. VIEW
HONESDALE
NARROWSBURG
LAKE CAREY 21
SKY HAVEN
SCRANTON
WILLIAMSPORT 375 (116.1)
WILKES-BARRE 272 (116.1)
LOCK HAVEN
JERSEY SHORE
CUB HAVEN
WILLIAMSPORT
SUNBURY VHF RANGE
SUNBURY 353 (116.1)
On request
SKYVIEW ACRES
WILKES-BARRE
KINGSTON
DALEVILLE
BARRETT
WILKES-BARRE-SCRANTON
MT. POCONO
ALLENTOWN 320 (116.1)
LAKE SUSQUEHANNA
STROUDSBURG
MILTON
DANVILLE
SUNBURY
BERWICK
CENTRE
BLOOMSBURG
REIFENBERG
LEHIGHTON
TAMAQUA
GREEN ACRES
SHAMOKIN
EAST PENN
PHILIPSBURG 224
BELLEFONTE
STATE COLLEGE
MIFFLIN CO
SELINSGROVE
GORDON
SLATINGTON 12
BELFAST
MARTINS CREEK
EASTON
ALLENTOWN-BETHLEHEM
WASHINGTON 67
ALLENTOWN VHF RANGE
TO BUFFALO
TO ALBANY
TO STEWART
TO BRANCHVILLE
TO NEWARK
NEW YORK 71
ALBANY 55
BUFFALO 51
BUFFALO 260
CLEVELAND NEW YORK
BOSTON NEW YORK
N. Y. PA.
TO HARRISBURG
TO NO. ALTOONA
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

ALBANY

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adams (Mass)	1.3 SSE	1400	18	
Aero Lake & Seaplane Base (Kingston, N.Y.)	3.7SSE;RR W	220	23 S4	80 oct. Trees S.
Agawam Land & Seaplane Base (Agawam, Mass)	0.5 S;riv E	50	16 S6	80 oct.P-line SE.
➤ALBANY Range (N.Y.)	365(AZ)(116.1)	195°,3.1	SBRAZ-DTV	(3); 116.1
ALBANY Tower (N.Y.)	278 (118.3)		AC	(4); 116.1,118.3,122.5
(P) [Albany] (N.Y.)	6.9NNW;riv N	282	35h L5 S6	80,91,100 oct.ARPT OF
Amsterdam (N.Y.)	6 N;rd NW	887	18 S6	80 oct.; ltd 91 ENTRY. oct.Use strips only.
Ansonia (Conn)	1.6 ENE	440	18 S2	80 oct.
Arlington(Poughkeepsie, N.Y.)	1.5 E;RR E	280	18 S2	80 oct.P-line NE;trees SW.
(P) Ballston Spa (N.Y.)	3 N;RR E	433	40h S4	80, 91 oct.
(P) [Barnes] (Westfield, Mass)	3 NNE;RR W	268	50h L5 S6	80, 91 oct.
Bennington (Vt)	2.5 WNW	830	13 S1	80 oct.470' hill WNW.
Bethany (Conn)	1.3 N;hwy E	680	21 L2 S6	80 oct.No bcn.Lgts prior
Bowles (Agawam, Mass)	2.4 WSW;trk E	190	40 S4	80 oct.P-line S, SSE,NW,W. req.
BRADLEY Tower (Conn)	284(126.18)		CI (ILS-W)	3105,4495; 126.18
(NG) ⁴Bradley (Windsor Locks, Conn)	2.8 WNW;RR, riv E	171	50h L1 S6	Ltd 73, 100 oct.
BRAINARD Tower (Conn)	278 (118.5)		AC	(4); 126.18,122.5,118.5
(NG) [Brainard] (Hartford,Conn)	2.8 SE;riv E	18	48h L5 S6	73, 100 oct.Dike N,E.
Brattleboro-Hinsdale (Hinsdale, N.H.)	2.7 NW;RR W	360	18 S4	80 oct.Landing flares on prior req.
BRIDGEPORT Range (Conn)	221 (WQ)	231°,4.0	MRLW	(4)
BRIDGEPORT Tower (Conn)	269 (118.7)		C	(4);118.7,122.5,126.18
(P) [Bridgeport] (Conn)	3.5 ESE	9	48h L5 S6	80, 91 oct.
Briggs (Carlisle, N.Y.)	0.6 SE;RR W	1320	12	
➤ Brookfield (Mass)	1 W;RR SW	680	20 S6	80,91 oct. SW blkd. Rough
Canaan (Conn)	1 N;RR W	680	20 S4	80 oct.Poles WSW;S blkd.
Catskill Valley (Catskill)	1.8 SW	105	24 S3	80 oct. (N.Y.)
Christi (New City, N.Y.)	1.5 N;RR E	150	16 S4	80 oct. P-line SW.
Cliff Haven (Accord, N.Y.)	11 W;RR S	260	16 S1	80 oct.
Cooperstown (N.Y.)	1.4 NNW;RR SE	1160	16 L S4	80 oct.Poles S.Port lgts.
County Arpk.(Spring Valley, N.Y.)	1 E;RR S	420	18 S6	80 oct.NNE,NNW blkd. Trees SSE.Use strips.
Cozine (Rhinebeck, N.Y.)	0.5 SE;RR W	200	20 S1	87 oct. P-line W.
Croton Arpk.(Peekskill,N.Y)	4.8 SE;riv SW	280	13	Hill SW.
(P) [Dillant-Hopkins] (Keene,N.H.)	2 S;riv 0.8 W	481	40h L S6	80,91 oct.Flare pots prior
Danbury (Conn)	2.5 SW;RR N	454	44h S6	80 oct.Trees ENE, SSE, WSW. req.
Doane (Essex, Conn)	1.2 SW;RR E,N	30	19 S6	80 oct.Trees N,NW.
Duanesburg (N.Y.)	0.1 S	710	20 S2	80 oct.Bldgs E;trees W.
East Brookfield (Mass)	1 W;hwy N	640	15 S4	No fuel.
East Greenbush (N.Y.)	0.8 NW;RR W	260	43 L S6	80 oct.Port rnwy lgts.P-line N.
East Hampton (N.Y.)	2.5 W;RR S	40	25 S4	80 oct.
(A) Elizabeth (Fisher's Island, N.Y.) (A)	W end Island	7	29h	
Equinox (Manchester,Vt)	1 SE;riv E,N	700	18 S4	80,91 oct.
Fair Haven (Vt.)	1.5 NNW	370	20 S4	80 oct.
Fair View Farm (Williamstown, Mass)	4 SW;riv E	954	17 S1	80 oct.Trees NE,NNE.
Farly's (New Baltimore)	3 S;RR W	10	20 S1	80 oct. Trees N. (N.Y.)
* Fort Plain Int,40A,CV-AZ	3 NNW;RR NE	720	35 L3	(N.Y.)
Freedom Plains (Billings)	2 W;rds N,E	340	11 S1	80 oct.Pwr line S. (N.Y.)
Fulco (Johnstown, N.Y.)	1 SE;hwy S	840	22 S4	80 oct. Data unver.
➤ Gardiner (N.Y.)	0.5 S;riv W	320	25 S2	80 oct. Soft when wet.
Gardner (Mass)	2 SW;hwy N	1020	18 S4	80 oct.
GLENS FALLS MH fac.(N.Y)	206(GB)(116.1)		MHTV	(4); 116.1
[Glens Falls] (N.Y.)	2.6 NW;rd S	474	36h S6	80 oct.
Glove City(Gloversville,N.Y)	1.5 NE;RR S	860	17 S1	80 oct.
Great Barrington (Mass)	2 WSW;riv N	726	27 S6	80,91 oct Obsts sur fld.
Halcott(Halcott City,N.Y)	1 N		10 S1	80 oct. Data unver.
Hammonasset (Madison)	2 E;hwy N	15	12 S1	80 oct. (Conn)
HARTFORD Range (Conn) (Brainard)	329(HT)(116.1)	323°,2.3	SBMRAZ-DTV	(3); 116.1
Hartness(Springfield, Vt)	3.8 NNW;riv E	570	20 S6	80 oct.
Hayduck (Herkimer, N.Y.)	0.6 SSW;RR N	400	12 S4	Ltd 80 oct.P-line E.
➤ Hiller (Barre Plains,Mass)	2 SW;riv W	589	34 S4	80 oct.
Huguenot (Port Jervis,N.Y)	3.3 NE;RR SE	480	21 S6	80 oct. Trees SW.
Intercity(Schenectady,N.Y)	3.6 SSE;RR NE	340	20 S4	80 oct.
Island (Shelton, Conn)	1.8 SE;on isl.	8	15 S1	80 oct.Trees SE.Soft.
Jewett (Jonesville, N.Y.)	0.5 NE	340	22 S2	80 oct.
Keene Arpk. (N.H.)	3 NW;RR W	500	21	CLOSED.
Kingston (N.Y.)	1.5 NW;RR S	150	17	CLOSED. P-line NW.
(P) Kingston-Ulster (N.Y.)	2.7 N;RR E	160	30 S4	80,91 oct. P-line E.
Kinsley (Somers, Conn)	2.5 NNW;hwy E	200	19	Emerg.use.Trees W,SW,
Kline-Kill (Ghent, N.Y.)	2 NNW;riv W	380	18	Lgt acft.only.N blkd ESE.
La Fleur (Northampton)	1.2 ENE;riv N	120	26 S4	80 oct.Riv SW. (Mass)
➤ LEBANON MH Fac. (N.H.)	209(LP)(116.1)		MHT	(4);116.1 Manned 7-23.
(P) Lebanon (N.H.)	3.3 WSW	579	40h L5 S6	80,91 oct. Lgts prior req.
Lime Ridge (Beekman,N.Y)	1.3 SE;RR S	420	16 L2 S6	80 oct.All lgts prior req.
Livingston Manor (N.Y.)	0.8 SE;RR SW	1440	19 S3	80 oct.
Long Meadow (Rexford,N.Y)	1.5 NE;RR N,W	380	20 S1	80 oct.E,NNE blkd. RR S.
Lufbery (Wallingford,Conn)	0.6 WSW;RR E	80	22 S6	80 oct. Trees S.
➤ Mahopac (N.Y.)	1 NNW;lk E	685	20 S4	80, 91 oct.
Margaretville-Fleischmanns (Margaretville,N.Y)	0.4 SW;riv NW	1310	19 S1	80,91 oct.P-line NE.
Matamoras (Pa)	0.5 SSE;jct of rivs N	450	18h L4 S6	80 oct.No bcn.Lgts prior req.
Mattituck (N.Y.)	0.8 ESE;bay S	30	25 S6	80,91 oct. Poles N.
MERIDEN Tower (Conn)	278		CI	3105,4495 (days)
Meriden (Conn)	2.7 SW;RR E	102	35 L3 S6	80 oct.S blkd.P-lines SE.
Metropolitan (Palmer,Mass)	5 N;riv W	400	19 S6	80 oct. Hill N.
Middlebury (Vt)	2.5 SE;hwy W	440	17 S4	80 oct.
Milford (Conn)	1.5 SSW;RR NW	10	20 S1	80 oct.
Miller (Nyack, N.Y.)	1.8 WNW;riv E	70	17 S6	80 oct.P-line SW.
Millerton (N.Y.)	1.5 N;RR W	1000	13 S1	80 oct.Trees N.
Monroe (Conn)	0.7 SSE; rd E	620	20 S4	80 oct.Rd W.Trees S.
Montgomery (N.Y.)	1 WSW;riv W	393	22 S6	80 oct.Trees N;brush E.
(A) " U.S. Mil.Acad.#1 (A)	2 SW	355	35h	CLOSED. (N.Y.)
Monticello-Sullivan Co.(N.Y)	1.4 S;RR E	1500	27 L S4	80,91 oct.Port rnwy lgts.
Newburgh-Walden (Walden)	2.2 SSW;riv W	404	32 S6	80,91 oct.Obsts sur fld.
NEW HACKENSACK Range (N.Y.)	236(NX)(116.1)	5°,5.3	SBRAZ-DTV	(4); 116.1 (N.Y.)
(P) New Hackensack (N.Y.)	0.5 W	166	35h	Obsts NE.
[New Haven] (Conn)	3.5 SSE;hwy N	4	42h S6	80, 91 oct.
New Paltz (N.Y.)	0.8 W;RR E	190	20 S1	80 oct.
(P) Orange (Mass)	1.5 SE;hwy SE	555	50h S2	80 oct. Poles NE.
Parlin (Newport, N.H.)	2 NNW;riv SW	780	20 S4	80 oct.NNE,ESE,SSW blkd.
➤ Pilgrim (Hatfield,Mass)	3.4 N;riv .5 E	126	22	E,SE,W blkd.Emerg only.
Piseco (N.Y.)	0.5 N;hwy SW	1710	19 S2	Ltd 80 oct.Trees,brush
Pittsfield,3B,AZ-BW (Mass)	2.4 WSW;hwy NW	1160	27 L3 S4	80,91 oct.P-line NW. NNE.
Plateau (Northville,N.Y.)	2.5 E;riv ESE	1040	24 S6	80,91 oct.Trees S. Rough.
Post Mills (Thetford, Vt)	4.7 NNW;lk NE	700	25 S2	80 oct.
Prattsville (N.Y.)	1.5 SE; riv W	1200	15 S1	80 oct.Mtns sur fld.
QUABBIN Army H Fac. (Westover)(Mass)	317 (D)	59°,8.5	FMHW	(Cont.)
Ramapo Valley(Mahwah,N.J.)	1.2 NW;riv SE	280	19 S1	80 oct.
Randall's (Middletown,N.Y)	1.8 ESE;RR NW	520	20 S2	80,91 oct.
Ravena (N.Y.)	1.2 N;riv 2 E	180	14 S1	80 oct.Lgt acft only.
RENTSCHLER Tower (Conn)	254 (126.18)		CI	(3); 126.18
Rentschler (East Hartford, Conn)	1 N	45	58h L5 S6	80,91,100 oct P-line SE, SSE.
➤ Rockland (New City, N.Y.)	1 SSE;RR E	240	14	Trees W;hwy E. (NC)
(P) [Rutland] (Vt)	5.8 SSE;crk W	784	40h L3 S6	80 oct. All lgts prior req.
Sacandaga Park (Northville)	1 SW;RR W	770	13 S1	80 oct.P-line WSW. (N.Y.)
Salem (Conn)	2.1 E;lk NNE	400	21 L S6	80,91 oct.Trees S.Port lgts
(P) Schenectady Co. (N.Y.)	3 N;RR SE	362	50h L5 S6	80,91,100 oct.
Schoharie Co.(Richmondville, N.Y.)	1.3 NE;RR N	1000	16 S1	80 oct. Trees E.
Schuylerville, Land & Seaplane Base (N.Y.)	2.5 S;riv E	100	29 S1	80 oct. Trees N, S.
Selkirk (N.Y.)	2.7 E;hwy E	160	22	P-line E;trees S.
Silver Ranch(E.Jaffrey,N.H)	1 E; lk 1 SE	1020	17 S1	80 oct.Trees SE,NW.
Simsbury (Conn)	2.6 NNE;RR W	170	17 S6	80 oct.Trees SE.
Sky Haven (Delanson, N.Y.)	0.9 NW;RR SE	1100	17 S2	80 oct.ESE,W blkd.
Somers (N.Y.)	0.6 SE;RR E,S	563	20 S4	80 oct.
Southbridge (Mass)	1.7 N	700	27 S1	80 oct. Trees W, N.
Springfield (Mass)	2.3 NE;RR S	205	26 S6	80,91 oct. Bldgs W.
Stanton's Newburgh Cub Port (Newburgh, N.Y.)	5.3 NW;RR S	520	12 S2	80 oct. Trees S.
Starhaven (Middletown,N.Y)	1.3 NW;RR N	750	29	Trees SW,SE,NW,RR SW.
Steenburgh Avia.Svc.	1.5 ENE;RR N	900	8 S1	80 oct.(Gloversville,N.Y.)
Stephenson (Bristol, Conn)	1.5 ESE;RR N	240	18 S6	80,91 oct.
Stevens (North Adams,Mass)	2.8 WSW;RR N	690	12	Emerg. use only.
➤ STEWART Army Range (N.Y)	335 (DMU)	125°,2.5	MRLW	
STEWART Tower (N.Y.)	396 (126.18)		CA	(3); 126.18 (7-23)
(A) Stewart (Newburgh,N.Y.)(A)	4 NW;hwy N	474	60h L5 S6	100 oct. JP-1.
Stone Arabia (Ft.Plains,N.Y)	3.6 ENE;hwy E	880	18	P-line NNW.
Stormville (N.Y.)	1 ENE;RR S	350	23 S4	80 oct.Trees NE
Suffolk(Westhampton Beach)	3.6 N	90	43 S6	80 oct.Pwr line N. (N.Y.)
Suffolk Co. (Westhampton Beach, N.Y.)	2.6 N	69	50h	
Sussex (N.J.)	1.2 WSW;RR S	420	25 S6	80 oct.200' knoll NNE.
* Ticonderoga Int,22,LG-UL	2.7 NNE;rd E	210	32 L3 S1	80 oct.Obsts sur fld.(N.Y.)
➤ Troy (N.Y.)	2 SSE;lk N	325	30 L4 S6	80,91 oct.ENE,W blkd.
Trumbull (Groton, Conn)	2.8 SE;RR W	10	50h S4	80 oct,
Turners Falls (Montague, Mass)	4.2 N;riv NW	350	32 L S6	80,91 oct.Obsts sur fld. Floodlgts prior req. req.
Twin State(White River Jct,Vt)	1 SW;RR,riv E	540	19h L S6	80,91 oct.Port rnwy lgts on
Valley Air Park (Middleburg, N.Y.)	1.5 NNW	635	20 S4	Data unver.
Vaughan (Johnstown, N.Y.)	1 E;hwy W	760	18	Use in emerg only.
(A) Wallkill, U.S. Mil.Academy #2 (N.Y.) (A)	3 NW;riv E	340	35h	CLOSED.
Wappingers Falls (N.Y.)	0.9 SE;rd S	152	21 S4	80 oct.P-line E,W,S.
[Warren Co.](Glens Falls, N.Y.)	2.4 NNE;rd N	325	40h L5 S1	80, 91 oct.
Warwick-Wickham (N.Y.)	4.5 NE;RR W	540	24 S4	80 oct. Ridge N.
Waterbury (Plymouth,Conn)	2.6 S;RR E,W	843	20 S6	80 oct. Trees N, S.
Waterford (Conn)	1.7 N;RR SSE	60	20 S6	80 oct. Trees, hill S.
Watertown (Conn)	2.2 S;lk N	660	19 L S4	80 oct.Port rnwy lgts on req.
Westchester(Armonk,N.Y.)	0.5 SSE	380	23 S6	80, 91 oct.
WESTCHESTER CO.Tower	260(118.9)		C	(4);118.9,122.5 (N.Y.)
(P) Westchester Co.(White Plains, N.Y.)	4 NE;lk W	435	50h L5 S6	80,91 oct. P-line SSW
WESTFIELD Range (Barnes) (Mass)	230(WJ)(116.1)	27°,1.7	BMRLZ-DTV	(4); 116.1
West Haven (Conn)	2.7 SW;hwy E	15	18 S4	80 oct.Trees NE.W blkd.
WESTOVER Army Range	272 (DOJ)	239°,2.7	BMRAZ	(3)
WESTOVER Tower (Mass)	396 (126.18)+		CA (ILS) (GCA)	(3); 126.18 (Appch cont.)
(A) Westover (Chicopee Falls, Mass) (A)	3.8 NNE;riv W	244	73h (L6) S6	73,100 oct.JP-1 Fuel
West Springfield (Mass)	2.2 WNW;riv E	50	18 S1	80 oct.
White (Bedford, N.Y.)(NC)	3.6 SE;hwy E	475	12	
➤ Winchester Arpk.(N.H.)	1.2 N;riv S,W	460	24 S1	80 oct. Riv N.
Windham (Conn)	3.5 NNW;RR S	238	44h S1	80 oct.Trees NE,ENE.
Wingdale (N.Y.)	1.5 NE;RR W	400	25 S4	80 oct. Rough.
Wurtsboro (N.Y.)	2 NE;RR E,SE	560	31 S6	80 oct. Obsts sur fld.

INSTRUMENT LANDING SYSTEMS (*Localizer, Glide Path in mcs. Compass Locator in kcs*)

LOCATION	LC	LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WESTOVER (A) (L6)	109.9		333.8	239°	IM- (0.49)	MM- ••••••(0.79)	OM- — — (3.38)
						MMK-	OMK-
WESTOVER (A) (L6)	109.5		332.6	59°	IM- (0.02)	MM- ••••••(0.72)	OM- — — (4.42)
						MMK- 201•— — —	OMK-219 — — —
BRADLEY	110.3		335	58°	IM-	MM- •— — (0.66)	OM-
						MMK-	OMK-
					IM-	MM-	OM-
						MMK-	OMK-

NEW FACILITIES

Southington (Conn)	3.5 NNE;RR W	200	21 S4	80 oct.
Claremont (N.H.)	1.3 W;riv NE	520	28h S6	80,91 oct.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) ➤ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS

Ⓞ : USABLE WITH CAUTION

ALBANY 55

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R - QUADRANTS.

PRESQUE ISLE 18

TICONDEROGA

MIDDLEBURY

POST MILLS

TWIN STATE

On request
GLENS FALLS
206
(116.1)

On request
LEBANON
209
(116.1)

FAIR HAVEN

RUTLAND

PISECO

D.A.

LEBANON

NEWPORT

WARREN CO.

GLENS FALLS

HUDSON FALLS

HARTNESS

CLAREMONT

SACANDAGA PARK

CORINTH

MOREAU

PLATEAU

STEENBURGH

GLOVE CITY

AMSTERDAM

BALLSTON SPA

SARATOGA SPRINGS

EQUINOX

VAUGHAN

LONG MEADOW

SCHUYLERVILLE

HAYDUK

FULCO

SCHENECTADY CO.

JEWETT

FORT PLAIN

ALBANY
365
(116.1)

BENNINGTON

KEENE

DILLANT-HOPKINS

WINCHESTER

STONE ARABIA

SKY HAVEN

STEVENS

BRATTLEBORO-HINSDALE

SILVER RANCH

COOPERSTOWN

BRIGGS

INTERCITY

COLONIE

TROY

FAIR VIEW FARM

GARDNER

SCHOHARIE CO.

ALBANY
278 KC. 118.3 MC.

DUANESBURG

EAST GREENBUSH

ADAMS

TURNERS FALLS

ORANGE

VALLEY AIRPK.

SELKIRK

RAVENA

WESTOVER AAF
272

PITTSFIELD

PILGRIM

QUABBIN (W)
317

FARLYS

KLINE-KILL

LAFLEUR

HILLER

WESTOVER AAF
396 (126.18)

PRATTSVILLE

GREAT BARRINGTON

BARNES

E. BROOKFIELD

HALCOTT

CATSKILL VALLEY

WESTFIELD
230
(116.1)

METROPOLITAN

SOUTHBRIDGE

MARGARETVILLE-FLEISCHMANNS

SPRINGFIELD

W. SPRINGFIELD

KINGSTON-ULSTER

COZINE

CONN.

CANAAN

BRADLEY
284 KC. 126.18 MC.

BOWLES

KINSLEY

WOODSTOCK

MILLERTON

AGAWAM

KINGSTON

SIMSBURY

LIVINGSTON MANOR

BOSTON NEW YORK

WALLKILL NO 2

AERO LAKE

CLIFF HAVEN

ARLINGTON

NEW HACKENSACK

SOUTHINGTON

WEATOGUE

RENTSCHLER
254 (126.18)

NEWBURGH-WALDEN

GARDINER

FREEDOM PLAINS

STEPHENSON

STEWART AAF (W)
335

NEW PALTZ

WINGDALE

RED 13

HARTFORD
329
(116.1)

WINDHAM

WAPPINGERS FALLS

LIME RIDGE

WATERBURY

MONTICELLO

MONTGOMERY

WURTSBORO

STANTONS

STORMVILLE

WATERTOWN

MERIDEN
18

MONTGOMERY NO 1

BETHANY

BRAINARD
278 KC. 118.5 MC.

SALEM

NEW HACKENSACK
236
(116.1)

BROOKFIELD

LUFBERY

STARHAVEN

HUGUENOT

RANDALL'S

DANBURY

MONROE

ANSONIA

MERIDEN
278

DOANE

MATAMORAS

STEWART AAF
396 (126.18)

MAHOPAC

ISLAND

HAMMONASSET

TRUMBULL

SUSSEX

WARWICK-WICKHAM

SOMERS

NEW HAVEN

WEST HAVEN

ELIZABETH AAF

COUNTY AIRPK.

CROTON

WESTCHESTER

MILFORD

BRANCHVILLE

N.Y. 3
D.A.

RAMAPO VALLEY

CHRISTIE

LA GUARDIA
209

BRIDGEPORT (W)
221

BRIDGEPORT
269 KC. 118.7 MC.

ALLENTOWN
320

LA GUARDIA
209

MILLER

NEWARK
341

PORT CHESTER

NEW YORK 71

MITCHELL AAF
227

MATTITUCK

EAST HAMPTON

SUFFOLK

SUFFOLK CO

WESTCHESTER CO.
260 KC. 116.9 MC.

75°

74°30'

74°

73°30'

73°

72°

44°

43°30'

43°

42°30'

42°

41°

72°48'

72°30'

TO UTICA

TO ELMIRA

TO WILKES-BARRE

TO LUKE CAREY

SYRACUSE 53

BOSTON 57

TO CONCORD

BOSTON 263

BOSTON

TO MOOSUP

BLUE 18

BLUE 4

BLUE 40

BLUE 41

GREEN 2

GREEN 5

RED 11

RED 23

RED 33

NORTHFIELD

MONTPELIER

N.Y. VT.

VT. N.H.

VT. N.H. MASS.

N.Y. MASS.

N.Y. N.J.

0 STATUTE MILES 30

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Ames (Brocton, Mass)	3 WSW;hwy W	120	20 S6	80 oct. SSE, WSW blkd.
Auburn (Mass)	2 SW;RR W,E	700	15 S1	80 oct. Lgt acft only.
(A)Ayer (Mass)	1.5 NW;riv W	268	52h S4	ARMY TEMP INACT-CIVIL FACS.
BEDFORD Army H Fac. (Mass)	522(BED)		MH	Oper. cont.
BEDFORD Tower (AAF)(Mass)	212(126.18,137.88)		CA	(3); 126 18,137.88
(A)Bedford AAF (Mass) (A)	1 S	128	50h L5 S6	73,100 oct. JP-1.
Biddeford (Me)	2 SSW;RR NW	110	22 S2	P-line SE 80 oct.
Boire (Nashua, N.H.)	2.8 WNW;RR NE	185	20h L3 S4	80,91 oct. Lgts prior req.
Bolton (Clinton, Mass)	2.3 NE;RR W	400	17 S6	80 oct. Trees P-line S around fld. RR S.
BOSTON Range (Mass)(Logan)	263(BW)(116.1)	238°,1.4	SBRAZ-DTV	(3); 116.1
Boston-Metropolitan(Canton,Mass)	1 W;riv W	50	21 S6	80 oct. Trees NW.
Brocton (Mass)	2 S;hwy E	128	22 S6	80 oct. Poles E,W,N.
Cape Ann Airways (Essex,Mass)	0.9 NNW;riv E,SE	20	14 S1	80 oct.
Cape Cod (W.Barnstable, Mass)	3.1 SW;lake SW	100	21 S2	80 oct.
CHARLESTOWN NAAS Twr (R.I.)	269 (142.74)		CN	3105;142.74(0700-1800)
(N)Charlestown NAAS (R.I.) (N)	1.6 SW;hwy N	32	58h (L5) S1	91, 100 oct. No bcn.
Chatham (Mass)	1.7 WNW;lake E	66	14 S4	80 oct. P-line NW.
Clark (Hanover, Mass)	2.6 WSW;riv S	74	24 S6	80 oct. NE,NNE blkd.
CONCORD Range (N.H.)	251 (CN)(116.1)	332°,1.9	BMRLZ-DTV	(4); 116.1
(P) [Concord] (N.H.)	1.5 E	346	40h L5 S6	80, 91 oct.
Conway Valley (Conway, N.H.)	0.6 WNW;RR NNE	460	26 S5	80,91 oct. Poles SW.
Country Club (Wareham,Mass)	1.3 E;riv S	25	17 S4	80 oct. P-line,trees N.(NC)
De Florez (Woodstock, Conn)	2.4 SSE;hwy W	450	19 S4	80 oct. Trees N.
Douglas (Brunswick, Me)	3.5 W;RR SE	170	16 S2	80 oct.
Eastham (Mass)	1.2 NW;hwy E	50	20 S4	80 oct. FEE. Rnwy data unv Smudge pots prior req.
Fitchburg (Mass)	2.5 SE;bet RRs	334	45h S6	80 oct. Knolls, dike S.
Franklin Airways Inc. (N.H.)	1.5 SSW;riv E	370	20	Emerg. use.
Franklin-Norfolk (Norfolk,Mass)	2.5 WNW;RR SSE	140	20 S6	80 oct. P-line S. RR NW.
Gate City (Nashua, N.H.)	4 SSE;riv E	120	23 S6	80 oct.
(P)Goodall (Sanford, Me)	4 SE;hwy N	243	60h L5 S6	91 oct. Lgts prior req.
Grafton (North Grafton, Mass)	0.7 SSW;riv N	450	30 S6	80 oct. Wooded hill S.
GREENE Tower (R.I.)	278 (118.9)		AC	(4); 118.9,122.5
[Greene] (Providence, R.I.)	7 S;RR W	53	41h L5 S6	80,91,100 oct.
→GRENIER Army Range (Manchester, N.H.)	338 (DUR)	352°,4.0	SBMRAZ	(3)
GRENIER Tower (N.H.)	278 (126.18)		CA (ILS)	(3); 126.18
(A)Grenier (Manchester, N.H.)(A)	4 S; RR E	230	70h L5 S6	73, 91, 100 oct.
Groton (Mass)	4.6 WNW;RR W	280	28 S6	80 oct.
Hampton (N.Hampton, N.H.)	1.6 N;RR W	80	20 L S6	80 oct. Port floodlgts on req
Haverhill (Mass)	2 NNE;lake S	125	16 S6	80 oct. Stack,trees SSW. P-line SE. 80 oct.
→Hilltop (West Buxton, Me)	0.8 WSW;hwy E	300	20 L S4	80 oct. Obst & flare lgts on req. P-line ESE.
Hooksett Land & Seaplane (N.H.)	2 S;riv E	187	32 S6	80 oct.
[Hyannis] (Mass)	1.2 N;RR E	56	39h L5 S6	80,91 oct. Lgts prior req.
Kennebunk (Me)	1.6 SW	50	16 S1	80 oct.
King (Taunton, Mass)	4.5 ESE;RR N	45	26 S6	80 oct. P-line NNE.
(P)Laconia (N.H.)	3.8 NNE;lk 1 NNE	536	36h L5 S6	80,91 oct. Lgts prior req.
Lafayette (Portsmouth, N.H.)	3 SSW;hwy S	71	23 S1	80 oct. Trees sur fld.
Lakes Region (Wolfeboro, N.H.)	2.6 W;RR E	580	14	CLOSED.
(P) [Lawrence] (Mass)	2.5 ENE;riv W	155	40h L5 S6	80,91 oct. Trees NE,SSE.
Leicester (Mass)	2 N	1140	15h S4	80 oct. Reservoir SE.
LOGAN Tower (Mass)	278 (118.7,126.18, 118.1)		AC	(4); 122.5,126.18,118.1, 118.7
(NG) [Logan] (Boston, Mass)	1.5 E in harbor	12	70h (L6) S6	80,91,100 oct. Rdo rqrd. FEE Ltd 80,100 oct, min. rprs for
Mansfield (Mass)	2 SSE;RR NE	124	25 S2	80 oct. P-line NE, NW. NG
Marlboro (Mass)	2.4 E;hwy N	265	16 S4	80 oct. WNW blkd.
(N) [Martha's Vineyard] (Vineyard →Haven, Mass)	4.3 S;rd S	68	38h L5 S4	80,91 oct. Obsts SE side, TMP INACT NO NAVY FACS.
Mendon (Mass)	0.3 S;lake W	450	18 S4	80 oct. P-line N, NW.
Merrymeeting (Bowdoinham,Me)	1 SSE;riv E	60	14 S1	80 oct. Trees SSE,NNW.
Mineral Spgs (Providence, R.I.)	4.6 NW;hwy E	240	11 S4	73 oct. Trees sur fld.
Myricks (Berkley, Mass)	3 E;RR SW	65	20 S6	80 oct. SSW blkd.
[Nantucket] (Mass)	2.6 SE;rd N	47	40h L S6	80,91 oct. Port lgts.
Newport Arpk. (R.I.)	3.5 NNE	150	24 S6	80,91 oct. P-line NNE.
(P)New Bedford (Mass)	2.5 NNW;RR W	78	50h L5 S4	80,91 oct. Lgts prior req.
Norwood (Mass)	1.8 E;riv E	55	40h L5 S1	80, 91 oct.
Oak Bluffs (Mass)	0.8 SW;road W	20	20	Avail. emerg. only.
(N)Otis OLF (Falmouth, Mass)(N)	9 NNE	126	70h	INACTIVE.
Plainfield (Conn)	1.5 SSW;RR NW	160	20 S6	73,87 oct.
Plum Island (Newburyport,Mass)	2.3 SE;riv N	15	24 L1 S6	80 oct. P-line E.
Plymouth (Mass)	2 SSE	149	25	Data unver.
Plymouth Mun. Arpk (N.H.)	3.5 WNW;riv S	506	18 S2	80 oct. P-line N.
(N)Plymouth OLF (Mass) (N)	4.5 SW	140	28	
PORTLAND Range (Me)	206 (PW)(116.1)	149°,2.2	BMRLZ-DTV	(4); 116.1
(P) [Portland] (Me)	2 W;riv E	60	43h L5 S6	80, 91 oct.
(P) [Portsmouth] (N.H.)	3 W	71	50h L5 S6	80,91,100 oct.
Port of Maine (So. Portland, Me)	1.8 SSW;RR E	40	26 S6	80 oct. Trees NNW.
PROVIDENCE Range (Greene)(R.I.)	347(PR)(116.1)	47°, 3.2	BMRLZ-DTV	(3); 116.1
PROVIDENCE Range (R.I.)	108.7 (PR)		VARW	
Providence (Seekonk, Mass)	2.1 ESE	25	17 S4	80 oct. P-line N.
Provincetown Land. Fld (Mass)	2 WNW	5	17 S4	Fuel. Lgt planes only. Data unver
* Putnam Int,14,LG-BW (Conn)	1.7 WSW;RR 1.4 E			ABANDONED.
QUONSET POINT Navy Range (Providence, R.I.)	356 (NCO)	339°, 2.2	BMRLZ	3105; 142.74
QUONSET POINT NAS Tower (R.I.)	227(142.74,126.18)		CN (GCA)	(3); 142.74,140.58,126.18
(N)Quonset Point NAS (Providence)	16.5 S	14	60h L5 S6	91, 100 oct. NATS. (R.I.)
Revere (Mass)	1 N	20	21h L S6	80,91 oct. Fee for port lgts.
Richardson (Dracut, Mass)	2 NNW of Lowell	115	21 S4	80 oct. P-line ENE. Data unv
Riconn (Greene, R.I.)	1.8 WNW;RR S	390	20 S6	80 oct. Rnwy data unver.
Riverside Arpk.(Brunswick,Me)	1 WNW;riv E	60	20 S1	80 oct. Trees SSW,NNE.
Riverside (Ashland, N.H.)	4 NNW;riv W	470	20 S4	80 oct.
Scarboro (Me)	2 W;RR SSE	20	25 S2	80 oct.
Shawsheen Pines (Billerica,Mass)	2.7 E;RR NE	110	24h S6	80,91 oct. Rnwy data unver. Trees NE,E,SE.
Sherman Memorial(Mansfield,Mass)	3 SSW;RR W	130	17 S1	73 oct. Trees sur fld. P-line
Smithfield (R.I.)	1 NE;RR W	400	17 S6	80 oct. Flares on req. NE
SOUTH WEYMOUTH NAF Tower	3295 (142.74)		CN	(3);142.74(8-1630 Mon-Fri)
(N)South Weymouth NAF (Mass) (N)	1.5 SSE;RR W	152	41 L3 S1	100 oct. Trees NNE,WSW,
Spencer (Mass)	3.5 NNE	1040	17 S6	80 oct. WNW.
SQUANTUM Navy Range (Mass)	233 (NZW)	321°,3.7	BMRLZ	(3); 142.74 flight opers.
SQUANTUM NAS Tower (Mass)	323 (142.74)		CN (GCA)	3105,4495;142.74(8-30 min.
(N)Squantum NAS (Mass) (N)	4.3 SSE;bay N	10	41h L5 S6	100 oct. No before sunset. night flying.
Stonington (Conn)	1 NE;RR S	5	18 S6	80 oct. Lgt acft only. Rdo
Stover (Freeport, Me)	3.5 NNW	180	11 S1	80 oct. rprs.
Wayside (Sommersworth,N.H.)	2.4 W;hwy E	212	15 S2	80,91 oct. ESE blkd.
Webster (Nashua, N.H.)	3.8 NNW;riv E	195	25 S6	80,91 oct. ENE,NNW blkd.
Westboro (Mass)	1.9 WNW;hwy N	310	13 S6	80 oct.
Westerly (R.I.)	2.4 SSE; riv E	81	40h	
Wilkins (No. Attleboro, Mass)	2 NE;lake NW	200	18 S6	80,91 oct. P-line NW. Trees
Woonsocket (R.I.)	2.5 E;riv WSW	400	20 S2	80 oct. sur fld.
[Worcester] (Mass)	3.5 W;hwy N	1009	55h	Emerg. use only.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
→GRENIER (A)	110.3	332.6	352°	IM- (0.03) MM- ••••• (0.71) OM- — — (5.00) MMK-201 •—• OMK-219 •—•
				IM- MM- OM- MMK- OMK-

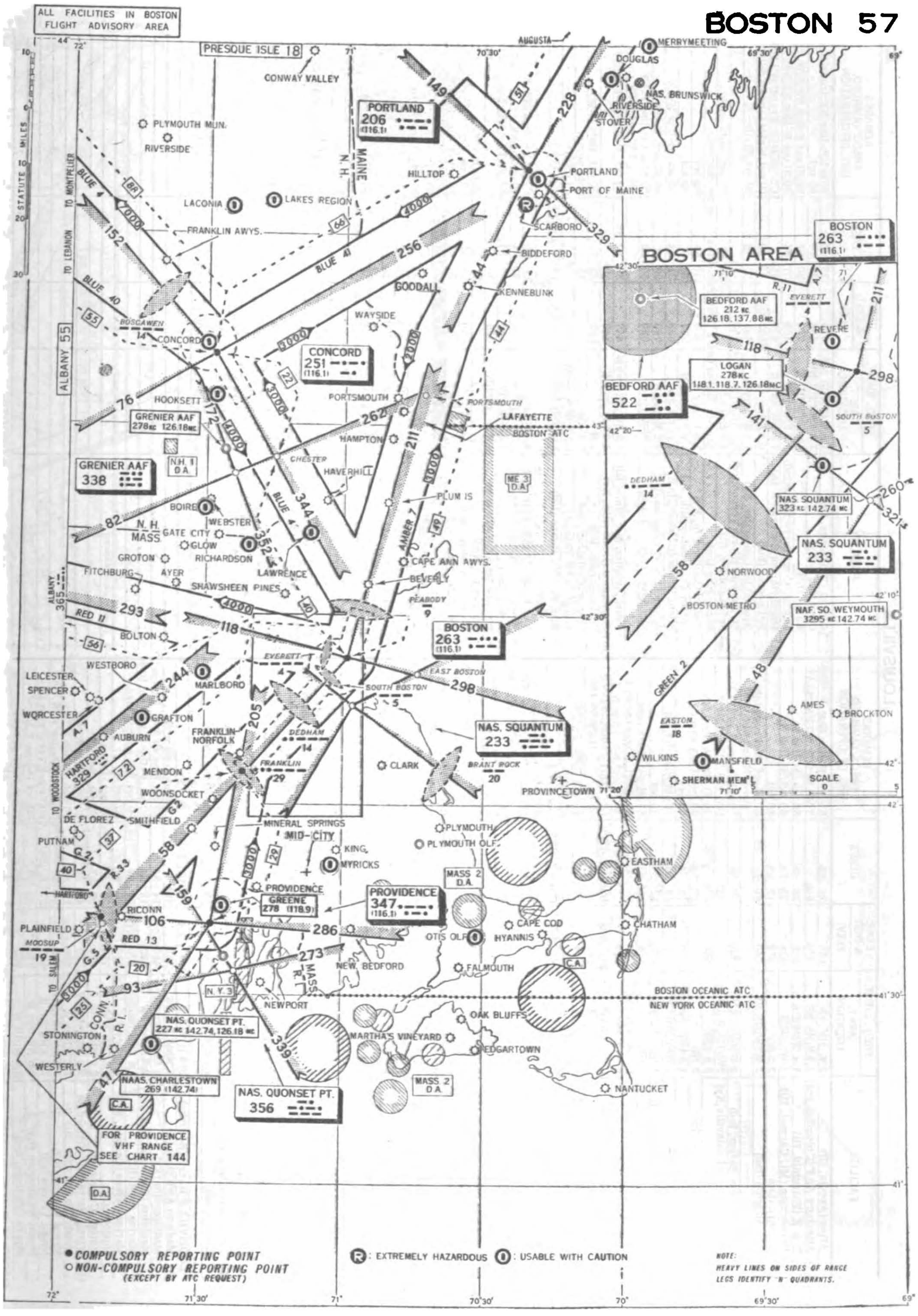
NEW FACILITIES

Beverly (Mass)	3 NW;lake E	108	50h L1 S6	80,91 oct. Bcn on req.
(N)Brunswick NAS (Me) (N)	1.5 SE;RR N	77	60h	CLOSED.
Edgartown (Mass)	2 S;rds E,NW	20	30 S4	80 oct. P-line E.
→Falmouth (Mass)	2.5 NE	40	18	Emerg only-not maintained.
→Mid-City (N.Brighton,Mass)	3 S	20	15 S4	Fuel N, S strip 1500', Data unver.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

BOSTON 57

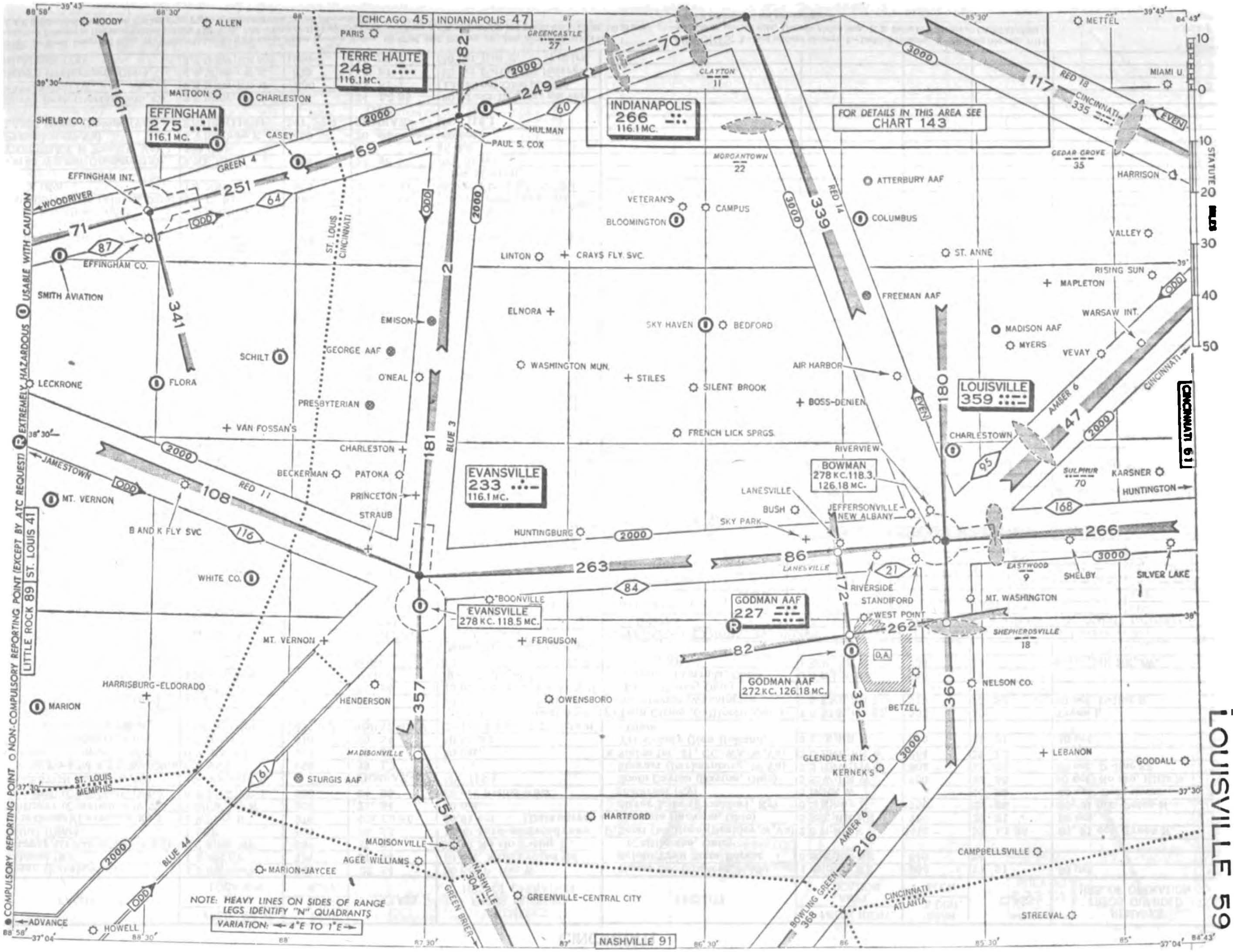

ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
PRESQUE ISLE 18
CONWAY VALLEY
AUGUSTA
MERRYMEETING
DOUGLAS
NAS. BRUNSWICK
RIVERSIDE
STOVER
PORTLAND
206
PLYMOUTH MUN.
RIVERSIDE
HILLTOP
PORTLAND
PORT OF MAINE
LACONIA
LAKES REGION
FRANKLIN AWYS.
SCARBORO
BIDDEFORD
KENNEBUNK
GOODALL
WAYSIDE
CONCORD
251
BOSCAWEN
CONCORD
HOOKSETT
PORTSMOUTH
LAFAYETTE
BOSTON ATC
HAMPTON
CHESTER
HAVERHILL
GRENIER AAF
278 126.18
N.H. 1 D.A.
GRENIER AAF
338
PLUM IS
ME. 3 D.A.
BOIRE
WEBSTER
GATE CITY
GLOW
N. H.
MASS
GROTON
RICHARDSON
FITCHBURG
AYER
LAWRENCE
SHAWSHEEN PINES
CAPE ANN AWYS.
BEVERLY
PEABODY
9
BOSTON
263
BOLTON
WESTBORO
MARLBORO
EVERETT
EAST BOSTON
SOUTH BOSTON
LEICESTER
SPENCER
WORCESTER
GRAFTON
AUBURN
FRANKLIN NORFOLK
DEDHAM
14
FRANKLIN
29
NAS. SQUANTUM
233
CLARK
BRANT ROCK
20
MENDON
WOONSOCKET
DE FLOREZ
SMITHFIELD
PUTNAM
MINERAL SPRINGS
MID-CITY
KING
MYRICKS
PROVIDENCE
GREENE
278 (118.9)
PROVIDENCE
347
RICONN
106
PLAINFIELD
MOOSUP
19
RED 13
NEW BEDFORD
NEWPORT
N. Y. 3
NAS. QUONSET PT.
227 142.74, 126.18
STONINGTON
WESTERLY
NAAS. CHARLESTOWN
269 (142.74)
C.A.
FOR PROVIDENCE VHF RANGE SEE CHART 144
D.A.
NAS. QUONSET PT.
356
MASS 2 D.A.
PLYMOUTH
PLYMOUTH OLF
MASS 2 D.A.
EASTHAM
CAPE COD
CHATHAM
OTIS OLF
HYANNIS
FALMOUTH
C.A.
BOSTON OCEANIC ATC
NEW YORK OCEANIC ATC
OAK BLUFFS
MARTHA'S VINEYARD
EDGARTOWN
NANTUCKET
PROVINCETOWN
BOSTON AREA
BEDFORD AAF
212 126.18, 137.88
BEDFORD AAF
522
LOGAN
278 118.1, 118.7, 126.18
BOSTON
263
NAS. SQUANTUM
323 142.74
NAS. SQUANTUM
233
NORWOOD
BOSTON METRO
NAF. SO. WEYMOUTH
3295 142.74
REVERE
SOUTH BOSTON
5
DEDHAM
14
EVERETT
EASTON
18
WILKINS
MANSFIELD
SHERMAN MEM'L
AMES
BROCKTON
SCALE
0
5
STATUTE MILES
TO MONTPELIER
TO LEBANON
ALBANY 55
TO WOODSTOCK
HARTFORD 329
TO SALEM
ALBANY 365
BLUE 4
BLUE 41
BLUE 40
RED 11
AMBER 7
GREEN 2
G 2
G 5
R 33
HARTFORD
CONN.
R.I.
MASS.
N. H.
MAINE
149
51
228
329
256
152
76
172
82
262
211
344
352
293
118
244
205
58
159
286
273
93
339
47
298
141
260
321
48
72
55
56
14
22
44
441
40
49
29
37
25
20
72
G 2
G 5
4000
3000
2000
1000
10
20
30
42°30'
42°20'
42°10'
42°
41°30'
41°
72°
71°30'
71°
70°30'
70°
69°30'
69°
71°10'
71°20'
43°
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Allen (Arcola, Ill)	2 W;RR,8 N	665	20 S6	80 oct. P-line N,E. W blkd.
(A) Atterbury AAF (Columbus,Ind)	3.5 N;RR SE	651	50h	TMP INACT.NO FACS.(A)
B & K (Fairchild, Ill)	1.4 WSW;RR S	500	26 S5	80 oct. P-line N.
Beckerman (Mt. Carmel, Ill)	4 W; RR S	424	23 S2	80 oct. P-line N.
(P) Bedford (Ind)	3.5 SE	682	19 S6	80 oct.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct.Port rnwy lgts. Trees N,Soft when wet
Boss-Denien (Salem, Ind)	3 WNW;RR NE	730	24 S6	80 oct.P-line S. Trees W.
BOWMAN Tower (Louisville,Ky)	278(126.18,118.3)		AC	(4); 122.5,126.18,118.3
[Bowman] (Ky)	5.5 ESE	546	44h L5 S6	80,91 oct.No flood lgts.
Bush (Jeffersonville, Ind)	3 NE		20 S2	80 oct. Data unver.
Bush (Ramsey, Ind)	1.5 WSW;hwy N	680	12 S4	73 oct.
Campbellville (Ky)	2 ENE;RR NW	500	18 S4	80 oct.Hills NE,SE.
Campus (Bloomington, Ind)	1.5 ENE;RR S	883	22 S4	80 oct.
Casey (Ill)	1 NW	645	26 S4	80,91 oct. Data unver.
Charleston (Ill)	1.3 SW;RR NW	690	26 S6	80,91 oct.Flares on req.P-line N,E,W.
(P) Columbus (Ind)	5 SSW;hwy E	617	45h L5 S4.	80,91 oct.No bcn,no flood. Lgts on req
EFFINGHAM Range (Int.)(Ill)	275(EF)(116.1)	341°,0.0	BMRLZ-DTV	(4); 116.1
Effingham Co. Mem'l (Ill)	3.6 S;hwy W	585	30 S6	80 oct.
* Effingham Int,10,LS-ID (Ill)	2.5 N;RR E	608	26 L3	P-line E,SE.On req.
(A) Emison (Oaktown, Ind)(A)	3.6 WSW	425	45h	CLOSED.
EVANSVILLE Range (Ind)	233(EV)(116.1)	177°,5.7	SBRAZ-DTV	(3); 116.1
EVANSVILLE Tower (Ind)	278 (118.5)		C	(4); 118.5, 122.5
[Evansville] (Ind)	4.5 NNE;bet RRs	383	60h L5 S6	80,91,100 oct.Twr W.Fld lgts on req.No floods
Ferguson (Richmond, Ind)	0.5 SE		13	Data unver.
Flora (Ill)	0.8 SW;RR N	490	35 S6	80 oct. P-line N,W.
(A) Freeman (Seymour, Ind) (A)	2 SW;hwy N	575	55h	CLOSED.
French Lick Springs (Ind)	1 SE;RR W	500	27h	
(A) George (Lawrenceville,Ill)(A)	4.5 NE;RR S	428	52h	CLOSED.
* Glendale Int,75B,DL-LV (Ky)	0.5 NE;RR W	702	25 L3	
GODMAN Army Range(Ft.Knox)	227 (DKX)	172°,3.1	BMRLZ	(Ky)
GODMAN Tower (Ky)	272 (126.18)		CA	(3); 126.18
(A) Godman (Ft. Knox, Ky) (A)	1 NW;RR E	740	52h L5 S4	73,91,100 oct. No sto.
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct.WNW,SW blkd.
Greenville-Central-City (Ky)	1 NE;RR W	415	22 S4	80 oct.
Harrisburg-El Dorado (Ky)	Adj E	400	27 S1	80 oct. Data unver.
Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct.P-line S.
Henderson (Ky)	4.7 WSW;hwy E	350	23 S1	80 oct.
Howell (Paducah , Ky)	4 WNW;RR S	371	20 S6	80 oct.All appchs blkd.
(P) [Hulman] (Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct.Fld lgts prior req.
(P) Huntingburg,19,LS-LV (Ind)	3 S;RR E	500	31 L2 S4	80 oct.
→ INDIANAPOLIS Range (Ind)	266(ID)(vhf)	75°,3.3	SBRAZ-DTV	(3);116.1,122.1
Jeffersonville-New Albany (Jeffersonville, Ind)	2 NW;riv S	470	29 S6	80 oct.Poles SW.
Lawrenceburg (Ind)	See Valley under "New Facilities" - name changed.			
Lebanon (Ky)	3.5 NNW;hwy 1 SE	799	15 S4	80 oct.P-line E,SE
(P) Leckrone (Salem, Ill)	1.9 NW;lake NW	545	39 S6	80,91 oct.Flares on req.Derrick NW blkd.
Linton (Ind)	3.3 E;RR S	500	19 S4	Ltd 80 oct. N.NE
LOUISVILLE Range (Bowman)	359 (LV)	269°, 1.4	SBMRLZ-DTX	(3) (Ky)
(A) Madison AAF (Ind) (A)	6 NNW;RR SW	850	50h	Closed to all acft.
Madisonville (Ky)	6 ENE;hwy SE	420	24 S4	80 oct. Use strips. [strips.
Mapleton (Seymour, Ind)	2.7 E;hwy SW	630	18 S4	80 oct.P-line N,NE, [on] Use
Marion Arpk (Ill)	1.8 ESE;RR S	430	29 S6	80 oct. All appchs blkd.
Marion-Jaycee (Crayne, Ky)	1 N;hwy E	650	20 S1	80 oct.
Mattoon (Ill)	4 E; RR N	720	23 S6	80 oct. Poles W.
Mettel (Connersville, Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
(P) Miami University (Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N,NW.
Moody (Dalton City, Ill)	2.2 S;hwy W	680	19 S6	80 oct. P-line N.
Mount Vernon (Ind)	1 E;bet hwy,riv	390	26 S1	80,91 oct.P-line N,W.
Mount Vernon (Ill)	2.5 ENE;RR S	465	27 L S6	80,91 oct.Temp port lgts.
Mount Washington (Ky)	0.5 NE;hwy E	720	20 S6	80 oct.P-line E,NE.
Myers (Madison, Ind)	2.2 N;RR W	960	24 S6	80 oct.N,NE,E blkd.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
O'Neal (Vincennes, Ind)	1.5 WNW;RR NE	415	33 S6	80 oct.P-line NE;trees N.
Owensboro (Ky)	2.5 ENE;RR NW	484	29 S6	80 oct.
Paris (Ill)	3.5 NNW;RR E	740	30 S1	80,91 oct.Poles SW,S,W.
Paul S. Cox (Terre Haute,Ind)	3.2 S;hwy W	485	27 S4	80,91 oct.P-line NE,SW.
(A) Presbyterian Church #3 (A)	4 WNW;hwy E	430	45h	CLOSED (St.Francisv'l,Ill)
Princeton (Ind)	0.8 E;hwy N	502	18 S2	80 oct.Water tank SW,Wires NW.
Riverside (Louisville, Ky)	7.5 SW;riv W	446	27 S4	80 oct.Hi-line E.
(P) St. Anne #2 (North Vernon,Ind)	2.3 NNE;RR W	750	45h	
→ Schilt (Olney, Ill)	1.5 E;RR S		30 S6	80 oct. Data unver.
Scottsburg (Ind)	See Air Harbor under "New Facilities" - name changed.			
Shelby (Shelbyville, Ky)	2.9 E;hwy S	850	19 S4	80 oct.
Shelby Co. (Shelbyville, Ill)	1.9 ESE;RR N	677	21 S6	80 oct.
Silent Brook (Orleans, Ind)	5 W;riv SW	650	21 S4	80 oct.Hi-line W,SW.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80,91 oct. Poles N.
(P) Sky Haven (Bedford, Ind)	2 SSW;riv S	650	36h S6	80,91 oct.P-line E,NE,S. 80'hill W end WSW rnwy.
Smith Aviation (St. Elmo, Ill)	1.3 SW;RR,hwy N	647	32 L1 S6	80 oct. Bcn twr NE;poles N
(NG) Standiford (Louisville, Ky)	4.3 SSE;hwy E	480	50h	
Stiles (Shoals, Ind)	1 N	740	22 S2	80 oct. Data unver.
Straub (Cynthiana, Ind)	0.5 NW		13	Data unver.
(A) Sturgis AAF (Ky) (A)	1.5 ESE;hwy SW	371	50h	CLOSED.
TERRE HAUTE Range (Ind) (Hulman)	248(TH)(116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Van Fossan's (Mt. Erie, Ill)	0.5 N;lake NE		27 S1	80 oct.P-line E,NW,SE.Data unver.
→ Veteran's (Bloomington, Ind)	2.5 W; RR N	890	26 S1	80 oct.Poles W.
Vevay (Ind)	1.3 ENE;riv S	450	20 S4	80 oct.Tree NE corner.Data unver
* Warsaw Int,5,LV-CV (Ky)	0.8 SW;riv NW	485	30 L3	
Washington (Ind)	3 W		21	Data unver.
Washington Mun. (Ind)	4.3 NNW	450	30 S4	80 oct. P-line SW,W
White Co. (Carmi, Ill)	1.1 NE;RR S	450	28 S1	80 oct. P-line S, SSE.
NEW FACILITIES				
Agee Wms.Arpk (Madisonv'l,Ky)	1.5 SW;hwy N	450	18 S2	80 oct.Pwrline W,SW
Boonville (Ind)	0.5 NW	383	20 S1	80 oct. Pole SW, NW
Karsner (Monterey,Ky)	2 SE;hwy W	540	20 S2	80 oct. Poles SSE
Kernek's (Nolin, Ky)	2 ENE;hwy E	690	19 S1	80 oct.P-line NNE,NE.NE/SW
Rising Sun (Ind)	0.5 N;riv E	580	22 S4	80 oct.P-line SW,W,NW
Streeval (Knifley,Ky)	5.8 S;hwy E	835	20 S2	80 oct. P-line E,SE [strip
West Point Arpk (Ky)	1.3 ENE;riv W,S	420	16 S6	80 oct. [rough
Crays Fly. Serv. (Bloomfield,Ind)	4 W		18	Data unver.
Sky Park (Corydon,Ind.)	1.5 NW	650	32 S1	80 oct.Wires E.Data unver.
Riverview (Utica, Ind)	2.8 SW;riv S;hwy N	447	27 S6	80 oct.
Lanesville (Ind)	2 SW hwy N	650	17 S4	80 oct. W blkd.
Rising Sun (Ind.)	0.5 N	580	22 S1	80 oct.Wires W.Data unver.
Air Harbor (Scottsburg,Ind.)	1.5 W;hwys N,E	570	25 S4	80 oct.
Valley (Lawrenceburg,Ind.)	1 WSW;riv S	485	20 S4	80 oct. Hills NNE,W/NW.
Betzel (Lebanon,Ky)	1.6 NNW;RR E	445	20	Trees N,S
Patoka (Ind)	1.5 W;lake N,E	500	22 S1	80 oct. P-line S,SE
Nelson Co. (Bardstown,Ky)	4.2 W;hwy S	650	21 S6	80 oct.Hedge NW,SSE.
Hartford (Ky)	0.3 S;hwy N	405	25 S2	80 oct.P-line N.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


CHICAGO 45 INDIANAPOLIS 47
TERRE HAUTE 248 116.1 MC.
EFFINGHAM 275 116.1 MC.
INDIANAPOLIS 266 116.1 MC.
EVANSVILLE 233 116.1 MC.
EVANSVILLE 278 KC. 118.5 MC.
GODMAN AAF 227
GODMAN AAF 272 KC. 126.18 MC.
BOWMAN 278 KC. 118.3, 126.18 MC.
LOUISVILLE 359
FOR DETAILS IN THIS AREA SEE CHART 143
MOODY
ALLEN
PARIS
GREENCASTLE 27
METTEL
MIAMI U.
MATTOON
CHARLESTON
SHELBY CO.
CASEY
HULMAN
PAUL S. COX
CLAYTON 11
MORGANTOWN 22
CEDAR GROVE 35
HARRISON
EFFINGHAM INT.
WOODRIVER
GREEN 4
ATTERBURY AAF
COLUMBUS
VETERANS
CAMPUS
BLOOMINGTON
VALLEY
ST. ANNE
LINTON
CRAYS FLY. SVC.
RISING SUN
MAPLETON
FREEMAN AAF
EFFINGHAM CO.
SMITH AVIATION
ELNORA
EMISON
SKY HAVEN
BEDFORD
WARSAW INT.
MADISON AAF
MYERS
VEVAY
SCHILT
GEORGE AAF
O'NEAL
WASHINGTON MUN.
STILES
AIR HARBOR
SILENT BROOK
LECKRONE
FLORA
PRESBYTERIAN
BOSS-DENIEN
VAN FOSSAN'S
FRENCH LICK SPRGS.
CHARLESTOWN
RIVERVIEW
BECKERMAN
PATOKA
PRINCETON
STRAUB
LANESVILLE
BUSH
JEFFERSONVILLE NEW ALBANY
SULPHUR 70
KARSNER
HUNTINGTON
JAMESTOWN
MT. VERNON
B AND K FLY SVC
SKY PARK
HUNTINGBURG
WHITE CO.
BOONVILLE
RIVERSIDE
STANDIFORD
WEST POINT
MT. WASHINGTON
EASTWOOD 9
SHELBY
SILVER LAKE
SHEPHERDSVILLE 18
FERGUSON
MT. VERNON
HARRISBURG-ELDORADO
HENDERSON
OWENSBORO
BETZEL
NELSON CO.
MARION
MADISONVILLE
GLENDALE INT.
KERNEK'S
LEBANON
GOODALL
STURGIS AAF
HARTFORD
AGEE WILLIAMS
MARION-JAYCEE
CAMPBELLSVILLE
GREENVILLE-CENTRAL CITY
STREEVAL
ADVANCE
HOWELL
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 1°E
NASHVILLE 91
CINCINNATI 61
LOUISVILLE 59
STATUTE MILES
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
LITTLE ROCK 89
ST. LOUIS 41
ST. LOUIS CINCINNATI
ST. LOUIS MEMPHIS
CINCINNATI ATLANTA
BOWLING GREEN 368
NASHVILLE 304
GREEN BRIER
161
341
71
87
251
64
69
249
60
70
182
2
181
BLUE 3
108
RED 11
116
263
86
84
357
151
BLUE 44
161
RED 14
339
3000
180
95
47
AMBER 6
117
RED 18
CINCINNATI 335
EVEN
ODD
2000
168
266
21
172
262
82
352
306
216
AMBER 6

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abken (Raceland,Ky)	1.2 NW;riv N	555	22 S4	80 oct P-line W.
Ashland (Ky)	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Attaway Air Ranch(Mason,Ohio)	4.2 S;RR NW	850	23 S4	80 oct.No sto.P-line E.
Bethel (Ohio)	1 ESE	890	30 S6	1500' hard-surfaced rnwy.
→ [Blue Grass](Lexington,Ky.)	6 W;hwy N	978	40h L5 S6	80,91 oct. Data unver.
Bollinger (Charleston,W.Va)	4.5 SW;riv N	900	21 S4	80 oct.
Campbell (Cincinnati, Ohio)	6.2 NNW;RR E	820	24 S2	80 oct.P-line WSW.
CHARLESTON Range (W.Va)	400(KN)(116.1)		SBMRAZ-DTV	(4); 116.1
* Cherry Fork Int,4,CC-WA(Ohio)	0.5 NNW	939	39 L3	
Cheviot (Cincinnati, Ohio)	9 W;RR 1 E	914	18 S6	80 oct.
Chillicothe Skypark (Ohio)	1.8 N;riv W	640	30 S4	80,91 oct
CINCINNATI Range (Lunken) (Ohio)	335(CC)(vhf)	227°,5.2	SBRAZ-DTV	(3);116.1,122.1.DTV lctd at Greater Cincinnati Arpt.
Cincinnati Inc.(Sharonville)	2 SE	860	29 S6	80 oct. (Ohio) NE blkd.P-
Clark (Winfield, W.Va)	5 N St. Albans	600	27 S6	73 oct.No sto.Riv E. line N.
CLINTON AAF Range (Ohio)	114.3 (DWO)		VARW	(8-1630 Mon-Fri)
CLINTON CO Army H Fac.(Ohio)	201		MHW	0.2 mi end Rnwy 22(8-1630, Mon.-Fri.or on 30 min.not.
→ CLINTON CO.Tower (Ohio)	272 (126.18, 137.88)		CA (ILS-W) (GCA)	(3);126.18,137.7
(A) Clinton Co.AAF (Wilmington)	2 SE;hwy NE	1062	60h L5 S1	73,91,100 oct.JP-1.(Ohio)(A)
Cool Meadow (Lexington,Ky)	4.8 NE;rd W	910	28 S6	80, 91 oct.
Falmouth (Ky)	2.3 SE;riv E	750	16 S2	80 oct Trees NE,SW
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct.WNW,SW blkd.
GREATER CINCINNATI Tower(Ky)	221(126.18,118.5)		AC (ILS)	(4);126.18,118.5,122.5 Call:
(P) [Greater Cincinnati](Covington)	8.2 W;riv NE	890	55h L6 S6	80,91 oct.(Ky) Kenton Twr.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW.
Harrison (Ohio)	2 ESE;hwy,5 SW	580	26 L1 S6	80 oct.P-line S
Hightman (Lebanon, Ohio)	3 E;RR W	880	16 S1	Trees W,E. 80 oct.
Hinton (W. Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Spgs)	1 E;riv,RR S	1520	26	Hill W, E (W.Va)
HUNTINGTON Range (W.Va)	236 (HI)(116.1)	75°, 2.3	BMRLZ-DTV	(4); 116 1
(P) Huntington(Chesapeake,Ohio)	2 WSW;riv S	560	29h S6	80, 91 oct.
Jody (London, Ky)	2.7 SSE;hwy E	1240	25 L S2	80 oct. Flood lgts
Jones (Chillicothe, Ohio)	7.2 SE;RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford, Ohio)	2 SE;RR 1 W	670	20 S6	80 oct.No sto.P-line N,S.
Lakewood Arpk (Cincinnati,O)	9.5 NNW	870	20h S6	80,91 oct.P-line E.
Lancaster (Ohio)	2.5 E;RR N	830	25 S6	91 oct.P-line E,N.
LEXINGTON Range (Ky)	108.3 (LM)		VARW	
Logan (W. Va)	7.2 NNW;riv E	630	15h S1	80 oct. Hill S,N.
Loving ,35A,NA-WA(Pulaski)	2.8 N;RR SE	2200	27 L3 S4	80 oct.Poles SW.No sto.(Va)
LUNKEN Tower (Ohio)	227 (118.7)		AC	(4); 118.7, 122.5
(P) [Lunken](Cincinnati, Onio)	4.3 SE;RR SW	488	41h L5 S6	73,91,100 oct.
Marietta (Ohio)	1.8 ESE;riv S	616	27 S4	80 oct.House NE,bridge NW
Maysville (Ky)	4.8 NW;riv N	555	26 S4	80 oct.
(P) Miami University (Oxford,Ohio)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N, NW.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E, SW
Morris (Williamson, W.Va)	5 NNW;RR E	600	12 S1	80 oct. P-line S.
Mt.Healthy (Cincinnati,Ohio)	9.5 NW;hwy E	870	22 S6	80 oct.Trees WSW,NE,ENE
Narrows (Va)	1 E;RR S	1550	2052	Ltd 80 oct.Trees W.
North Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	80 oct. No sto. Poles S.
Ohio University (Athens,Ohio)	1.5 E; RR S	640	40 L S6	80 oct. Port rnwy lgts.
Paris (Ky)	1.2 NNE	850	20 L S1	80 oct.Flood lgts NE,SW NW blocked.
Parks Watson (Cincinnati,O)	9 NE;RR E	865	26 S6	80, 91 oct.
PAYNESVILLE H Fac. (W.Va)	356 (IR)		H	(6-23)
Princeton (W.Va)	1.7 SW;hwy E	2450	20 S4	80 oct.
PULASKI Range (Loving)(Va)	272(US)(116.1)	247°, 2.1	SBMRAZ-DTV	(4): 116.1
Raven Rock (Portsmouth, O)	3.5 WSW;riv S	538	24 L3 S6	80,91 oct.Lgtg fac not ver.
Ravenswocd (W. Va)	0.6 NNW;RR W	600	23 S1	Ltd 80 oct.Obst sur fld.
Reed's (Watertown, Ohio)	4.9 W;hwy E,S	820	13 S1	80 oct.P-line NE.Rdo re-
Richlands (Va)	2.7 WSW;RR NW	1950	18 S6	80 oct. Hill E. pairs.
Roane Co. (Spencer,W,Va)	1 SE;hwy NE	954	17 S1	80 oct.
Scioto Trail State Forest (Chillicothe, Ohio)	8 SSE;RR NE	640	24	
(P) Scott (Mt.Hope)(Beckley,W,Va)	2.6 N;RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Shumate (Jackson, Ohio)	8 SSE;RR NE	720	20 S1	80 oct.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80, 91 oct. Poles N.
Somerset (Ky)	5 N;RR W		20 S2	80 oct. Data unver.
South Dayton (Dayton, Ohio)	5 SSW;RR W	750	32 S6	80 oct. No sto. Hills S.
Stewart (Parkersburg, W.Va)	2.3 NNW;riv W	602	33 S6	80 oct. P-line SE.
* Sutton Int, 21, CC-WA (W.Va)	3.6 ENE;RR W	1264	32 L3	
Tri-County (New Holland, Ohio)	3 ESE;RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis,Ohio)	1.8 ENE;riv SE	563	30	Trees E.
Washington (Washington Court House, Ohio)	4.5 ENE;RR S	910	22 S3	80 oct. P-line S.
Wolfords (Amanda, Ohio)	0.8 E;RR NW	960	13	
Zaleski (Ohio)	1 SSW;RR NW	705	22	Trees,hill NE,SW.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK
GRTR. CINCINNATI	109.9	333.8	360°	IM-	MM- •—•—(0.6)	OM- ——(4.3)
					MMK- 206 •••—	OMK- 215•———
				IM-	MM-	OM-
					MMK-	OMK-

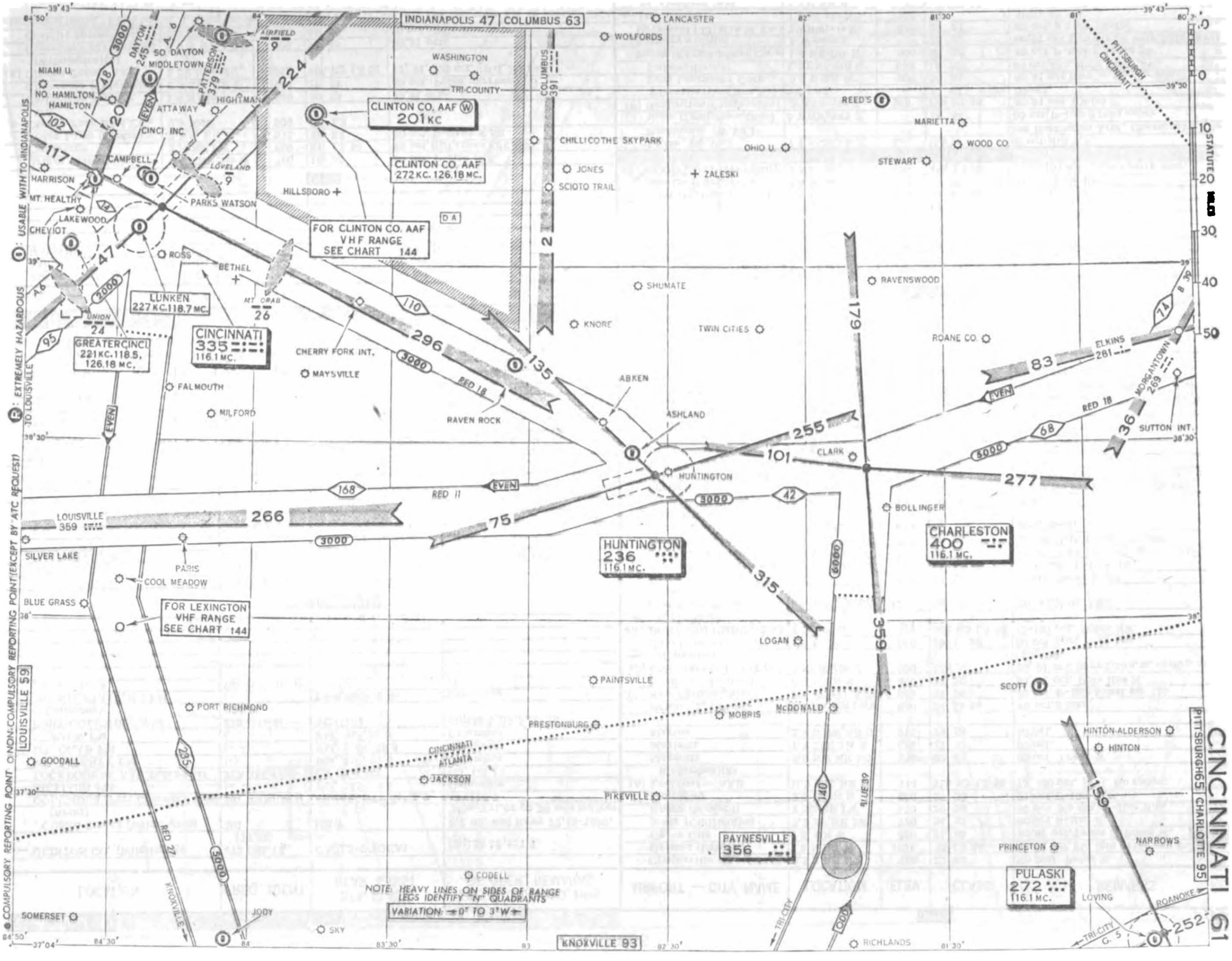
NEW FACILITIES

Huntington (W. Va)	See Huntington Airport, Chesapeake, Ohio			
Milford (Ky)	0.1 SE;hwy W	500	18 S1	80 oct.
Codell (Darfolk,Ky)	1.6 WSW	860	20 S2	80 oct.Ctn-mtns sur fld.
Sky (Manchester,Ky)	2.7 SE;RR W	850	21 S1	80 oct.Mtns sur fld.
Port Richmond (Richmond,Ky)	4.6 E;hwy S	975	18 S1	80 oct.
Ross (Melbourne,Ky)	1.4 ESE;riv NE	475	20 S2	80 oct.P-line SE.
McDonald Fld (Man,W.Va.)	2 WNW;riv N	680	25 S1	80 oct. 0.5 NW Taplin
(P) [Wood](Parkersburg,W.Va.)	7 NE;hwy NE	835	45h L5 S6	80,91,100 oct.Lgts emerg only.
Jackson (Ky)	1.3 SE;riv NE	750	12	Hills SE,NW.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. ✣-Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced rinways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

8-9465-03*


INDIANAPOLIS 47 COLUMBUS 63
CINCINNATI 61
CLINTON CO. AAF (W) 201 KC
CLINTON CO. AAF 272 KC. 126.18 MC.
FOR CLINTON CO. AAF VHF RANGE SEE CHART 144
LUNKEN 227 KC. 118.7 MC.
CINCINNATI 335 116.1 MC.
GREATER CINCI 221 KC. 118.5, 126.18 MC.
HUNTINGTON 236 116.1 MC.
CHARLESTON 400 116.1 MC.
PAYNESVILLE 356
PULASKI 272 116.1 MC.
FOR LEXINGTON VHF RANGE SEE CHART 144
KNOXVILLE 93
PITTSBURGH 65
CHARLOTTE 95
LOUISVILLE 59
COLUMBUS 391
PITTSBURGH CINCINNATI
DAYTON 245
PATTERSON 379
MIAMI U.
NO. HAMILTON
HAMILTON
ATTAWAY
CINCI. INC.
CAMPBELL
HARRISON
MT. HEALTHY
LAKEWOOD
CHEVIOT
LOVELAND
PARKS WATSON
HILLSBORO
ROSS
BETHEL
MT. ORAB
UNION
GREATER CINCI
FALMOUTH
MILFORD
CHERRY FORK INT.
MAYSVILLE
RAVEN ROCK
WASHINGTON
TRI-COUNTY
WOLFORDS
LANCASTER
CHILLICOTHE SKYPARK
JONES
SCIOTO TRAIL
ZALESKI
REED'S
MARIETTA
WOOD CO.
OHIO U.
STEWART
SHUMATE
KNORE
TWIN CITIES
RAVENSWOOD
ROANE CO.
ELKINS
MORGANTOWN
SUTTON INT.
ABKEN
ASHLAND
HUNTINGTON
CLARK
BOLLINGER
LOGAN
PAINTSVILLE
MORRIS
McDONALD
SCOTT
HINTON-ALDERSON
HINTON
PRINCETON
NARROWS
LOVING
ROANOKE
TRI-CITY
SILVER LAKE
PARIS
COOL MEADOW
BLUE GRASS
PORT RICHMOND
GOODALL
PRESTONBURG
CINCINNATI ATLANTA
JACKSON
PIKEVILLE
SOMERSET
CODELL
JODY
SKY
RICHLANDS
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 3°W
USABLE WITH TO INDIANAPOLIS
EXTREMELY HAZARDOUS TO LOUISVILLE
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE MILES

COLUMBUS

RADIO — OHIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CLINTON CO. (Wilmington)	272 (126.18, 137.88)	CA(ILS-W)(GCA)	(3);126.18,137.7
Clinton County (Wilmington) (Army)	201	MHW	0.2 mi. end Rnwy 22,(8-1630, Mon-Fri.or on 30 min notice)
COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-DTV,84°,1.9	(3);116.1
HILLIARD FM	(- - - -)	FM, 273°, 9.8	Columbus
LOCKBOURNE AAB(Columbus)	317 (126.18)+	CA (ILS-W)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°,25.0	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18	AC (ILS)	(4);122.5,118.5,126.18
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1
[redacted]			
CHARLESTON	400 (KN)(116.1)	SBMRAZ-DTV	(4), 116.1
HUNTINGTON	236 (HI)(116.1)	BMRLZ-DTV,75°, 2.3	(4);116.1
PAYNESVILLE	356 (IR)	H	(6-23) Oper by PCA

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK-
LOCKBOURNE (A)	109.9		3°	IM- (0.16)	MM- ·····(0.85)	OM- --(4.29)
					MMK-	OMK-
PORT COLUMBUS	109.5		95°	IM-	MM- ·-·-(0.65)	OM- --(4.50)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — KENTUCKY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.

OHIO

Briggs (Zanesville)	6.4 NNE;riv W	780	18 S2	80 oct. P-line N,E.
Cambridge	2 N;RR 1 W	800	27 L3 S6	80 oct.Hill,trees ESE,SSW.
Cedar Lawn (Kenton)	2.3 S, RR E	975	16 S2	80 oct. P-lines E,SE
★ Cherry Fork Int,4,CC-WA	0.5 NNW	939	39 L3	
Chillicothe Skypark	1.8 N;riv W	640	30 S4	80,91 oct.
Clickenger (Columbus)	6.2 SSE,RR E	748	26 S2	80 oct. Poles surround fld.
(A) Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
Commerce (Zanesville)	6.5 N ;riv 1.5 E	800	29 S6	80,91 oct.
Crabill (Springfield)	2.5 SE,RR 1 E	1040	29 S6	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII (NC)-Not charted. → NEW OR REVISED DATA

OHIO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
Grimes (Urbana)	1.5 N,RR W	1055	35 L5 S6	80,91 oct.Fld lgts prior req.P-line E,SE,SW.
Grove City	1 S, RR W	860	21 S6	80,91 oct.Trees E.Poles W.
Jones (Chillicothe)	7.2 SE,RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford)	2 SE;RR 1 W	670	20 S6	80 oct. No sto. P-line N,S.
Lancaster	2.5 E;RR N	830	25 S6	91 oct.P-line E,N.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	744	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S2	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S4	80 oct.
Newark,2, CO-PG	3.5 SW,RR 1 NW	880	24 L3 S4	80 oct,S blkd.
(P) New Philadelphia	2.5 SE;riv .5 SW	885	36 S6	80 oct. P-line &obst sur fld
Norton (Columbus)	6.5 E,RR N	800	22 S6	80, 91 oct. Pole line N.
(P) Ohio State University (Columbus)	8 NNW,riv E	900	22h S4	80, 91 oct. Serv 8:30 a.m.-5:30 p.m. 'til Sept 30.
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) PORT COLUMBUS-NAS (Columbus)	7 E, RR S	817	50h R3 L6 S6	80-100 oct. Poles NW.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	25 S2	80 oct.N,NE blkd.
Price (Columbus)	6 SE	760	22 S6	80 oct. Poles S, SE.
Raven Rock (Portsmouth)	3.5 WSW;riv SE	538	24 L3 S6	80,91 oct. P-line NW.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE. Rdo repairs.
Riverside (Zanesville)	3.4 NNE,RR W	700	40 S6	80 oct. Hill, trees NNE,SSW.
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RR NE	640	24	WSW blkd.
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,hwy E	1050	28 L4 S4	80 oct.No sto.Fld lgts prior req.
Sullivant Ave.(Columbus)	6 WSW,RR NW	860	34 S6	80,91 oct. Pole line S.Rnwy data unver.
Tri-Co. (New Holland)	3 ESE,RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE;hwy S	910	22 S3	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	960	13	
Woodsfield (NC)	1 W;hwy E	1220	19	Emerg only.
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S2	80,91 oct.Pole line E. RR E. NE,W
Zaleski	1 SSW,RR NW	705	22	(NC)Trees,hill NE,SW blocked.
(P) Zanesville	6.2 E;hwy 1 N	902	50h R1 L5	Fld lgts prior req.
[redacted]				
Bollinger(Charleston)	4.5 SW,riv N	900	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
Roane Co. (Spencer)	1 SE,hwy NE	954	17 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N, RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct. Pole line SE.
(P) WOOD CO.(Parkersburg)	7 NE; hwy E	835	45h L5 S6	80,91,100 oct. Lgts emerg only.

NEW AIRPORTS

Logan (W.Va.)	7.2 NNW,riv E	630	15h S1	80 oct.Hill S,N.
Huntington (W.Va.)				See Huntington Arpt, Chesapeake, Ohio
Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct,P-line S.Data unver.
(P) Huntington (Chesapeake)	2 WSW;riv S	560	29h R1 S6	80,91 oct (Ohio)
Pikeville (Coal Run,Ky)	0.8 ESE		22 S1	80 oct.
Port Lancaster Corp.	0.8 N;RR W	800	28 S1	80,91 oct.Hwy w.Hooker,Ohio)
Paintsville,Ky)	2.3 ENE;RR E	630	16 S2	80 oct.Ctn.Mtns NE,W,SW.
Snook (Reynoldsburg,Ohio)	1.4 NE;RR N	980	21 S6	80 oct.P-line E;trees SW.
Hillsboro (Ohio)	5 W;hwy S		20 S2	80,91 oct.Use strips only.Data unver.
McDonald Fld (Man,W.Va.)	2 WNW;riv N	680	25 S1	80 oct. 0.5 NW Taplin
→ Jackson (Ky)	1.3 SE;riv NE	750	12	Hills SE,NW.
Prestonburg (Ky)	2.7 N;RR W	575	18 S2	80 oct.P-line S.Mtns all sides.

COLUMBUS 63

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
E: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION
18 FORT. BASIC

CEDAR LAWN
MARION
CLEVELAND 49
MAGNOLIA
+VOSS
MT LIBERTY
WYNKOOP
NEW PHILADELPHIA
CLEVELAND CINCINNATI
CLEVELAND PITTSBURGH
COLUMBUS 391 (116.1)
GRIMES
OHIO STATE U
COMMERCE
BRIGGS
SUMMIT STA
SPRINGFIELD
CAMBRIDGE
GREEN 4
CRABILL
SPRINGFIELD
SNOOK
RIVERSIDE
ZANESVILLE 263 (116.1) On request
CLICKENGER
GROVE CITY
SULLIVANT AVE
NORTON
NEWARK
ZANESVILLE
LOCKBOURNE AAB 317 426 18
PORT LANCASTER
LANCASTER
CROOKSVILLE
PORT COLUMBUS-NAS 278 ·118.5 126.9
WASHINGTON
TRI-COUNTY
CLINTON CO. AAF 201
REED'S
CHILLICOTHE SKYPARK
MARIETTA
WOOD CO
ONIO U
STEUBENVILLE
CINCINNATI 61 (INDIANAPOLIS 47)
FOR CLINTON CO. AAF VHF RANGE SEE CHART 144
JONES
MT ORAB
CHERRY FORK
SHUMATE
RAVENSWOOD
RAVEN ROCK
OHIO W. VA.
ROANE CO
MAYSVILLE
OHIO KY
ASHLAND
HUNTINGTON
CLARK
RED 18
CHARLESTON 400 (118.3)
HUNTINGTON 236 (114.9)
BOLLINGER
PITTSBURGH 65
LOGAN
PAINTSVILLE
W. VA KY
SCOTT
McDONALD
MORRIS
PRESTONBURG
CINCINNATI ATLANTA
PIKEVILLE
PAYNESVILLE 356
PRINCETON
CINCINNATI 61
To Ft. Campbell

PITTSBURGH

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALLEGHENY CO. Tower (Pa)	278 (126.18, 118.7)		AC	(4); 140.1,122.5,126.18
[Allegheny Co.](Pittsburgh,Pa)	5.3 S;RR NW	1251	57h L6 S6	80-100 oct.No ctc lgts.Rdo rec.rqrd
Allegheny Valley (Tarentum, Pa)	3.2 W;RR W	1125	24 S4	80 oct.
ALTOONA Range (Pa)(Blair Co.)	338(RF)(116.1)	203°,1.3	SBMRAZ-DTV	(4); 116.1
→ Altoona (Duncansville, Pa)	1 SW;RR .5 W	1050	44h L4 S6	73 oct.
Augusta (Waynesboro, Va)	6 WSW;riv SE	1420	24 S4	80 oct. Pole line SE.
Baker Arpk (Burlington,W.Va)	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg,W.Va)	6 E;hwy S	1200	38h S6	80, 91 oct.
Blair Co., 24A, CO-PG (Martinsburg, Pa)	0.9 SE	1495	44h L4 S2	80, 91 oct.
* Buckstown Int,12B,WA-CV (Pa)	1 E;hwy S			ABANDONED.
Buford's (Montvale, Va)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
CECIL H Fac (Pa)	219 (C)	265°,10.3	FMHW	(Cont.) Pittsburgh
CECIL FM (Pa)	(- - -)	265°, 10.3	FM	Pittsburgh.
(P) Connellsville (Pa)	4 SSW;hwy E	1250	34h S2	80, 91 oct.
Covington (Va)	1 E;reservoir E	1500	18 S6	80 oct.
Covington-Clifton Forge (Va)	6.5 E;hwy S	1115	24 S4	80 oct.
Cresson (Pa)	1 NE;RR W	2240	25 S2	80 oct. P-line S.
(P) Cumberland (Md)	2.5 S;riv N,S	780	58h L5 S6	80,91 oct.Mtns SW.Bcn inop.
Elk Garden (W. Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct.P-line NW.
ELKINS Range (W.Va)	281(EK)(116.1)	174°,2.9	SBMRAZ-DTV	(4); 116.1
(P) [Elkins] (W.Va)	2.6 S;RR W	1988	45h L5 S4	80,91 oct. No sto.
Forman (Terra Alta, W.Va)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
FRONT ROYAL Range (Va)	359(FZ)(116.1)		SBMRAZ-DTV	(4); 116.1
Glendale (W.Va)	0.5 WSW;bet. RR & riv	640	29 S6	80 oct.Trees N,S.P-line S.
GORDONSVILLE Rng (Va)(Int.)	388(GJ)(116.1)	135°,2.5	SBMRAZ-DTV	(4); 116.1
Gordonsville (Va)	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Gordonsville Int,51,NA-WA(Va)	5 SSE	438	31 L3	Pole line SW.
GREATER PITTSBURGH Tower (A) Greater Pittsburgh (Pittsburgh, Pa) (A)	396 (126.18)+ 15 WNW;riv N	1145	CA 55h L5 S4	(3); 126.18 100 oct.
→ Greenbrier (White Sulphur Springs,W. Va.)	2 SW	1795	35h S4	80,91 oct.
(P) Greene Co.(Waynesburg,Pa)	2.7 E	1100	30 S6	80,91 oct.Obst sur fld.
Hamilton (Indiana, Pa)	2.5 E;hwy S	1440	26 S6	80 oct. P-line S.
Harrison City (Pa)	1.1 NW;hwy S	1200	17 S4	80 oct.S,NW blkd.
Hartman (Harrisonburg,Va)	1 NW	1350	27 S6	80,91 oct. Rnwy data unver.
Herron (New Cumberland,W.Va)	4 NE;lake W	1250	17 S4	80 oct.
Hinton (W.Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Springs, W. Va) (NC)	1 E;riv,RR S	1520	26	Hill W, E.
HOOKSTON FM (Pa)	(- - - -)	308°,32	FM	Pittsburgh.
Huntingdon (Pa)	1 S;riv NE	620	20 S4	80 oct. P-line W.
Ingalls (Hot Springs, Va)	3 S;hwy W	3780	31 S2	80 oct. Closed winters.
(P) Johnstown (Pa)	4.7 E;hwy N	2282	45h L5 S6	80,91 oct. No flood lgts
→ Keystone (Ebensburg, Pa)	3 SW;hwy E	2100	23 S4	80 oct. Obst sur fld.
Latrobe (Pa)	2.8 SSW;hwy N	1144	23h S4	80 oct.
→ Leechburg (Pa)	1.6 SE;RR SE	960	26 S6	80,91 oct.SE blkd.
Lewis (Buckhannon, W.Va)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Lexington (Va)	2.7 SW;hwy S	1200	17 S1	73 oct.P-line NE,SW.
(P) Louis Bennett (Weston,W.Va)	3.2 N;RR E	998	37	Hill S;pole line WNW.
LYNCHBURG Range (Preston Glenn)	206(LB)(116.1)	165°,1.9	SBRAZ-DTV	(4); 116.1 (Va)
Marlinton (W.Va)	1.5 NNE;RR SE	2475	21 S2	80 oct. Hill WNW.
MARTINSBURG Range (W.Va)	209(MR)(116.1)	35°,2.9	BMRLZ-DTV	(4); 116.1
Mayer (Pittsburgh, Pa)	10 WSW;RR S	900	18 S6	80 oct. House NE,E blkd.
Mexico Farms (Cumberland,Md)	3 S;RR E	630	36 S2	80 oct. Mtns E.
Moorefield (W.Va)	0.8 NE;RR W	980	26 S4	80 oct. Trees WNW.
MORGANTOWN Range (W.Va)	269(MG)(116.1)	173°, 5.6	BMRLZ-DTV	(4); 116.1
(P) Morgantown (W.Va.)	2.2 ENE;hwy NW	1256	36h L3 S6	80,91 oct.
MT. PLEASANT FM (Pa)	(- -)	124°,24.7	FM	Pittsburgh
Narrows (Va)	1 E;RR S	1550	20 S2	Ltd 80 oct.Trees W.
NEW ALEXANDRIA FM (Pa)	(-)	85°, 30	FM	Pittsburgh
New Alexandria (Pa)	1.5 ENE;hwy N	1200	18 S4	80 oct. P-line N.
Orange Co. (Orange, Va)	4 E;hwy S		26 S2	80 oct. Data unver.
* Petersburg Int,29,CC-WA(W. (W. Va)	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
PITTSBURGH Range (Pa) (Allegheny Co.)	254(PT)(116.1)	85°,2.2	SBRAZ-DTV	(3); 116.1
→ Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct. (Pa)
Pittsburgh-Greensburg (Greensburg, Pa)	2.3 SE;reservoir N	1280	19 L1 S6	80 oct.Twr W.Trees E.
Pitt-Wilkins (Pitcairn,Pa)	1 N	1200	23 S4	80 oct. S blkd.
PRESTON GLENN Tower (Va)	248		C	(4)
(P) [Preston Glenn](Lynchburg,Va)	6.7 SSW;RR SE	935	40h L5 S6	80, 91 oct.
Ridgeway (Bunker Hill,W.Va)	2.3 SSW;RR E	600	20 S6	80 oct.No sto.P-line SSW
Romney (W.Va)	2.1 NNE;riv W	750	16 S2	80 oct.Mtns WNW,ESE,SSE
Ronceverte (W.Va)	2 N;hwy SE	2175	18 S2	80 oct.
Salix (Pa)	0.6 S;RR NW	2200	24 S4	80 oct.
Scott (Tiltonsville,Ohio)(NC)	1.5 SSW;riv E	650	25	
Shenandoah (Va)	0.5 SW;hwy W		19 S1	Data unver.
Somerset (Pa)	2 NNE;RR SE	2200	27 S4	80 oct.P-line W.
→ Star Valley Arpk (Charleroi,Pa)	3 SE;riv E,RR W	765	25 S1	80 oct.Bldg S.
Staunton (Va)	4.4 NE;RR NW	1300	26 S6	80,91 oct.P-line NNE.
Stokes (Front Royal, Va)	2.5 W;riv E	735	19 S2	80 oct. P-line S,E.
(P) Stultz (Altoona, Pa)	10.7 NNE;RR NW	970	30 S6	80,91 oct. P-line E.
SUMMERHILL FM (Pa)	(- - - -)	281°, 22	FM	Altoona
* Sutton Int,21,CC-WA (W.Va)	3.6 ENE;RR W	1264	32 L3	
Timberlake (Lynchburg,Va)	9.5 SW;RR N	950	26	
Toronto (Ohio)	1.5 NW;riv E	1050	22 S1	80 oct.Trees SSE.
(P) University of Va.(Charlottesville, Va)	5 ESE;riv E	300	35 S6	80,91 oct. Trees ESE. data unver.
Valley (Waynesboro, Va)	1.7 NNE;RR E	1245	29 S6	80 oct.P-line E,SSW.Rnwy
Vandergrift (Pa)	2 WNW	1000	24 S1	80 oct.P-line NW,SE,W blkd.
Weirton (Hollidays Cove,W.Va)	1.5 E	1144	16h S6	80 oct. Data unver.
(P) Wheeling Ohio Co. (W.Va)	7.5 NNE;riv 2 W	1193	50h L5 S4.	80,91 oct. Lgts prior req.
Winchester (Va)	3 SSE;hwy E,S	700	22 S6	80 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALLEGHENY CO.			95°	IM-	MM-	OM-
				MMK-201 - - - -(0.80)		OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bedford, (Pa.)	5.2 N jct of hwys	1187	18 S4	Fuel,Data unver.
WHEELING Range(W.VA)	108.3(WN)		VARW	
Tyrone Speedway (Pa)	4.2 SW;riv S	965	23 S4	80 oct.Mt.S.Trees WSW,,N,ENE
New Market-Timberv'l	3.4 E;RR E	975	21 S1	80 oct (Timberville,Va)
Luray (Va)	1.5 S;hwy W	900	19 S1	80 oct Fence NNE,SSW
Elkton (Va)	3 NW;mtn W	1100	19 S1	80,91 oct P-line SW
Culpeper (Va)	1 SW;quarry W	400	17 S6	80 oct P-line NE,SW.
Mt Pleasant-Scottdale (Mt.Pleasant,Pa.)	2.8 S;dam NNE	1160	18 S6	80 oct.Trees SE.
→ E. Pittsburg (Pa.)	10 ESE;lake SW	1150	21 S6	80 oct.Trees NE
→ Thompson (Monongahela,Pa)	5 E	1240	20 S2	80 oct.NE,SW blkd.

RADIO: S–Simul. Range and Voice. W–Without Voice. Z–VHF Range Station Location Marker. (3)–3105, 4495, 6210 kcs. (4)–3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)–Voice on 116.1 and 111.1 mcs. +–Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h–hard surfaced runways. L–Lighting facilities. S–Servicing (see page XIII) →New or revised data. [Jones]–Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

PITTSBURGH 65

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

BUFFALO 51

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

RED 20 · 305 · AKRON 362 · CLEVELAND 344 · AKRON · HERRON · HOOKSTOWN 32 · TORONTO · E. LIVERPOOL · RED 21 · 128 · 43 · 4000 · TO MERCER · BLUE 2 · 3000 · 65 · ALLEGHENY VALLEY · 79°30' · LEECHBURG · VANDERGRIFT · HAMILTON · 79° · 63 · 78°30' · STULTZ · TYRONE SPDWY. · 40°40' · NORTH ALTOONA · 40°30' · HUNTINGDON · MT. UNION · 4000 · 265 · 203 · RED 21 · PITT.-WILKINS · NEW ALEXANDRIA · 30 · GREATER PITT. AAF 396 (126.18) · E. PITTSBURGH · KEYSTONE · CRESSON · SUMMERHILL 22 · ALTOONA · 18 · NEW ALEXANDRIA · RED 17 · WEIRTON · MAYER · HARRISON CITY · PITT.-BETTIS · 101 · 281 · 69 · 10 STATUTE MILES TO NEWARK · GECIL 10 · MT. PLEASANT 25 · LATROBE · 5000 · JOHNSTOWN · GREEN 4 · SALIX · BLAIR CO. · 120 · 63 · 26 · WELLSBURG · 3000 · ALLEGHENY CO. 278 (118.7, 126.18) · PITTSBURGH 254 (116.1) · 38 · COLUMBUS 391 · CECIL (W) 219 · STAR VALLEY · PITT.-GREENSBURG · 42 · 6000 · 37 · 216 · IMT. PLEASANT-SCOTTSDALE · BEDFORD · 43 · ALTOONA 338 (116.1) · FOR WHEELING VHF RANGE SEE CHART 144 · WHEELING OHIO CO. · SOMERSET · 5000 · BLUE 47 · 23 · 4000 · GLENDALE · CONNELLSVILLE · RED 20 · 304 · 40° · OHIO W. VA. · GREEN CO. · 140 · 52 · MORGANTOWN 269 (116.1) · PA. MD. · FLINTSTONE · 37 · MORGANTOWN · CUMBERLAND · MEXICO FARMS · MD. W. VA. · 39°30' · PITTSBURGH CINCINNATI · 74 · BLUE 39 · 4000 · 7000 · FORMAN · PITTSBURGH WASHINGTON · MARTINSBURG 209 (116.1) · RED 61 · 101 · TO LISBON · ELK GARDEN · BAKER · ROMNEY · 73 · BENEDUM · 55 · 174 · RED 19 · 320 · 6000 · RIDGEWAY · 35 · ELKINS 281 (116.1) · WINCHESTER · 47 · 41 · MOOREFIELD · 212 · LOUIS BENNETT · 36 · 39° · LEWIS · 41 · 6000 · 270 · 94 · 5000 · TO HERNDON · ELKINS · 7000 · RED 18 · PETERSBURG · FRONT ROYAL 359 (116.1) · STOKES · 83 · 68 · RED 18 · SUTTON · 5000 · WASHINGTON 67 · 354 · 26 · NEW MARKET-TIMBERVILLE · LURAY · 38°30' · SHENANDOAH · CULPEPER · HARTMAN · ELKTON · GORDONSVILLE 388 (116.1) · TO REMINGTON · CHARLESTON 400 · 277 · CINCINNATI WASHINGTON · 135 · 37 · RED 33 · MARLINTON · W. VA. VA. · STAUNTON · ORANGE CO. · TO DONCASTER · COLUMBUS 63 · GORDONSVILLE · WAYNESBORO · VALLEY · AUGUSTA · 6000 · 38° · CINCINNATI ATLANTA · UNIV. OF VIRGINIA · 315 · R. 33 · TO RICHMOND · INGALLS · 71 · 63 · COVINGTON-CLIFTON FORGE · GREEN 5 · 66 · RONCEVERTE · GREENBRIER AAF · COVINGTON · LEXINGTON · 165 · 234 · 76 · HINTON · 169 · ROANOKE 37 · 41 · JAMES RIVER · 4000 · RED 37 · 37°30' · 243 · 7000 · 5000 · LYNCHBURG 206 (116.1) · 80°30' · 78°30' · 37°20' · NARROWS · CHARLOTTE 95 · BUFORD · TIMBERLAKE · 90 · PRESTON GLENN 248 xc · NORFOLK 97

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
Aberdeen Arpk (Md)	0.8 SW;hwy SE	60	24 S4	80 oct.
Aldino (Churchville, Md)	2.2 NE;RR SE	400	20 S6	80 oct.
Alexandria (Pittstown,N.J)	2 WNW;lk NE	340	18 S4	80 oct.Trees ENE.
[Allentown-Bethlehem] (Allentown, Pa)	4.6 NNE;RR NW	392	40h L5 S6	80,91 oct. Use rnwys only. Fld lgts prior req.
ANNAPOLIS NAF (Seaplane) Tower (Md)	2870(142.74)		CN	3105,2870,6420; 142.74 (8-17)
Annapolis (Md)	2 S	25	18 S4	80,91 oct.P-line SSW. Twr
ARCOLA Range (Va)	233(EC)(116.1)		SRAZ-DV	(3); 116.1 SSE.
→ BALTIMORE Range (Md)	257(BO)(116.1)	15°,2.4	SBMRLZ-DTV	(3); 116.1. 122.1
BALTIMORE Tower (Md)	278(118.9,126.18)		C	(4);118.9,122.5,126.18
(NG) [Baltimore Mun.] (Md)	6 SE;RR NE Harbor S	14	46h L5 S6	Ltd 100 oct,no maint.for NG.Rdo rqrd.Stacks N,SE
Bellanca (New Castle,Del)	1.5 W;hwy N	30	25h L3 S6	80,91 oct.No bndry lgts. P-line SW.
Berks (Reading, Pa)	4.5 NW;hwy SW	360	23 S4	80,91 oct.Hill NW.
→ Bethlehem-Easton (Easton, Pa)	4.5 SW;riv S	360	27 S6	80 oct.P-line sur fld.1
Biggs (New Castle,Del)	1 NW;RR E	60	19 S6	80 oct. P-line NE.
Blackwood (N.J.)	0.5 ESE;hwy W	65	26 S4	80 oct.P-line N. N/S us-
→ Blue Ridge (Herndon,Va)	4 WSW;hwy NE	280	30	P-line E. able emerg.
BRANDYWINE Range (Md)	379(BDW)(116.1)		SMRLZ-DV	(3); 116.1
Bridgeville (Dela)	1.7 SE;hwy S,W	40	22 S6	80 oct. P-line NW.
Buck's (Bridgeton, N.J.)	3.7 NNE;RR SE	100	20 S4	80 oct. P-line S,W.
BYRD Tower (Richmond,Va)	396 (126.18,118.7)		AC (ILS-W)	(4); 122.5,118.7,126.18
(A) [Byrd] (Richmond, Va)	7.3 ESE;RR S	167	50h L5 S4	73, 100 oct.
CAP (Westminster, Md)	2.6 N;hwy E	780	20 S4	80 oct. P-line E,NE.
Cargill(Granville,Pa)	1.5 SW;RR SE	490	20 S6	80 oct. Obsts sur fld.
Carlisle (Pa)	1.8 WSW;RR N	480	23 S2	80 oct.
← Centerville (Carlisle, Pa)	11.3 SW;RR N	660	23	Trees N, NE. (NC)
Central (Richmond, Va)	2.5 ENE;RR W	172	45 S6	80 oct.Poles WNW,SE.
Chambersburg (Pa)	1.2 SSE;RR SW	650	22 S6	80 oct.E/W strip rough.
CHINCOTEAGUE Navy Range	227 (NKZ)	98°,4.5	MRLZ	3105, 4495; 142.74 (Va)
CHINCOTEAGUE NAAS Twr	3295 (142.74)		CN	(3); 142.74 (8-17) (Va)
(N) Chincoteague NAAS (Va)(N)	4.5 WNW;hwy S	38	60h L5 S4	100 oct.
Coatesville (Pa)	1.6 W;RR S	623	26 L1 S4	80 oct. Obsts sur fld.
Convair (Allentown, Pa)	3 SSW	399	40h	
Currell's (Weems, Va)	1 N;jct of rivs		17 S1	80 oct.P-line SE.Use strips only. Data unver.
DAHLGREN NAF Tower (Va)	375 (142.74)		CN	(3); 142.74 (8-16 except Sun)
(N) Dahlgren NAF Proving Grounds (Va) (N)	0.5 E	20	40h L5 S2	100 oct. CLOSED.
Davis (Gaithersburg, Md)	7.5 NNE;hwy E	640	26 S6	80,91 oct.Trees ESE.
Delmarvia (Salisbury, Md)	2.8 NE;hwy W	45	21 S6	80 oct.P-line N,E,NE.
→ Devener (Hanover, Pa)	2 NNE;hwy W	590	20 S6	80,91 oct.
De Vries (Lewes, Del)	1.3 NW;bay N	10	20	
Diffendahl (Baltimore, Md)	11 ESE;riv S	20	23 S2	80 oct. Trees all appchs.
Dixie (Annapolis, Md)	10.7 W;hwy N	120	22 S4	80 oct. Hwy N,W.
← Doersom (Gettysburg,Pa)	2.4 NW;RR N	590	19 S6	80 oct. Trees SW.
Dover Arpk (Del)	2.2 N;RR W	37	25 L S6	80,91 oct.Port floodlgts. P-line W, SW.
(A) Dover AAF (Del) (A)	4 SE;hwy E	28	70h L1	TMP INACT.
DUPONT Tower (Del)	388		CI	3105,3117.5,5582.5 (8-20 daily except Sun.)
DuPont (Wilmington, Del)	3 WNW;RR E	185	29 L4 S6	80,91 oct. SW blkd.
(P) Easton (Md)	2.2 N;RR E	66	40h L S4	80 oct. Port lgts.
(A) Edgewood Arsenal (Md) (A)	1.3 S	18	50h L5 S4	91,100 oct.CLOSED.No bcn
→ Emmaus (Pa)	1.3 W	435	19 S2	80 oct. N blkd.
Estler (Mohrsville, Pa)	3.5 W;pond W	390	22 S6	Ltd 80 oct. Trees W.
Faybrook (Rock Hall, Md)	1.5 NNW;bay W	20	14 S1	80 oct. Trees WNW,NNE.
→ Fogelsville (Pa)	0.7 E;RR SE	460	15 S4	80 oct. ESE.
Frederick City (Frederick)	1.8 E;riv E,N	305	49	(Md)
Gettysburg (Pa)	2.8 NNW	600	24 S3	80 oct. RR SW.
Gill (Chestertown, Md)	1.5 NNE;RR W	60	32 S2	80 oct.P-lines W,SW,NW blkd
Glenburnie-Whipp (Md)	1 E;hwy W	56	30 S6	80 oct. P-lines sur fld.
Greenwich (N.J.)	2.5 W;riv SW	30	21 S6	80 oct. Trees N.
Grimes (Bethel, Pa)	1.7 ENE;hwy S	582	29 S6	80,91 oct.Mtn NE.
Hagerstown (Md)	4.2 N;hwy E	700	39h L3 S6	80,91 oct.Lgts on req.
Harcum (Va) (NC)	0.2 NW	85	40	Poles.Rnwy data unver.
Harrington (Del)	1.5 E;RR 1 S	50	27 S1	80 oct. P-lines SE,SW,W.
Hermitage (Richmond,Va)	3.2 NNW;RR W	200	20 S6	80 oct.Trees,poles WNW, E, W.
HARRISBURG Range (Pa)	242 (HX)(116.1)	118°,1.1	SBRAZ-DTV	(3); 116.1
HARRISBURG Tower (Pa)	278(118.7)		AC	(4); 118.7, 122.5
(N) [Harrisburg State] (Pa)	3.5 S;RR N	344	40h L5 S4	80,91 oct.Svcg days NATS.
Hershey (Pa)	1.1 NNW;RR S	415	21 S2	80, 91 oct.
Hickman (Ocean City, Md)	7.5 NW;riv S	15	25 S4	80,91 oct. Flares on req.
Holly Brook (Laurel, Del)	1.5 N;RR,hwy W	40	25 S1	80 oct.
Hummel (Greys Point,Va)	3 NE Harmony	30	21	Obsts sur fld. (NC)
Johnson (Ononcock,Va)	1 ESE;RR E	35	22 S1	80 oct.
Kellam (Weirwood, Va)	0.3 SW;RR E	15	21 S4	80 oct. Trees NW.
Kent (Worton, Md)	1 N; RR S	60	23 S2	80 oct.
Kroelinger (Vineland, N.J.)	2.5 NNW;RR E	100	16 S6	80 oct. P-line S, E.
Kutztown (Pa)	1.5 S;RR SE	400	25 S4	73 oct. blkd.
→ Lancaster (Pa)	1.5 NNW;RR SW	320	28 S6	80,91 oct.ENE,NE,WSW
Lancaster,35,CO-PG (Pa)	5.5 N;hwy W	385	27h L4 S4	80 oct. Poles S, WSW.
Laurel (Dela)	1.5 SW;hwy E	30	19 S2	80,91 oct. P-line SE.
Layfield (New Hanover, Pa)	2 NE;hwy W	320	17 S6	80 oct. Trees NE.
Lebanon Co.(Myerstown)	1.6 W;hwy S	525	17 S5	80 oct. (Pa)
Lee Annapolis (Annapolis, Md)	4.8 WSW;hwy E	30	28 S1	73,91 oct P-line ESE. Rnwy data unver.
Leesburg Arpk. (Va)	0.7 ESE;hwy S	280	20	P-lines NE.
Lewistown (Pa)	4 SW;riv SE	560	20 S6	80 oct P-line NW.
* Lively Int,6,NW-WA (Va)	3.4 WSW;riv W	15	34 L3	35' trees, bldgs NW.
Lovett (Elkton, Md)	3.1 NNE;RR 1 SE	140	22 S4	80 oct
→ Madeira (Reading, Pa)	3.2 N;RR W	360	21 S6	80 oct. Trees W.
Manassas (Va)	2.7 NW;RR S	250	22 S6	80 oct. Obst sur fld.
MARTIN Tower (Md)	317		CI	(4) (8-sunset,Mon -Fri)
Martin (Baltimore, Md)	10 E;RR N	18	70h	PRIVATE.
(P) Martinsburg (W.Va)	4 S;hwy W	550	50h L5 S6	80, 91, 100 oct.No flood
Mattaponi Sky Club(Croom)	1.6 SE;hwy 1 W	30	31 S1	80 oct. (Md) lgts.
(P) Melfa Flight Strip (Va)	1.3 W	48	70h	
Midway (Showell, Md)	1.1 SE;hwys W,S	20	30 L S4	80 oct P-line SSW Flare pots on req.
Midway (Chester, Va)	2 E;hwy S	178	26 S6	80 oct. P-line W
Millard (Annville, Pa)	1.5 SW	480	18h S5	80, 91 oct.
MILLVILLE Range (N.J.)	365(NV)(116.1)	144°,4.3	SBRA-DTV	(4); 116.1
(P) Millville (N.J.)	3.3 SW;lk N	68	50h L5 S6	80,91 oct.Flood lgts on req.
(P) Mount Union (Pa)	4 S;hwy E	560	30 S6	80, 91 oct. E blkd.
MT. VERNON H Fac. (Va)	269 (W)	209°,8.2	FMHW	(Cont.) Washington, D.C
NEW CASTLE Range (Del)	350 (NC)	19°,2.8	MRLZ	Replies on tower freq. except on req.
NEW CASTLE Tower (Del)	219 (118.5, 126.18)		CI	(4); 118.5, 122.5, 126.18
(NG) New Castle County (New Castle,Del.)	4.8 SW;hwy SE	75	70h L5 S6	80,91 oct.;73,100 oct.NG. Emerg.rprs mil.acft
New Hanover (Pa)	0.5 W;hwy SE	300	18 S2	80 oct.
North End (Martinsburg)	2.5 NNE;RR W	515	28 S2	80 oct.P-line S (W.Va)
Northfield (Richmond,Va)	6.5 N;riv NE	180	18 S4	80 oct.
OLMSTED Tower (Pa)	396 (126.18)+		CA	:45.05 (4); 126.18
(A) Olmsted (Middletown,Pa) (A)	1 W;RR N	300	50h L5 S6	62-100 oct JP-1 Poles NE,N. Riv S.
Paoli-Malvern Arpk (Malvern, Pa)	1.3 SSE	460	24 S4	80 oct Trees NE,SE,SW.
Parksley (Va)	0.6 WNW	25	18 S4	80 oct.
Parnell (Richmond, Va)	4 S;RR E,W	120	19 S6	80,91 oct.P-line NW.
PATUXENT RIVER Navy Range (Md)	215(NHK)	57°,4.4	MRLZ-D	(3); 142.74
PATUXENT RIVER NAS Tower (Md)	347 (142.74)		CN (GCA)	(3); 142.74
(N) Patuxent River NAS (Md)	2.9 NE Jarboes	38	97h (L6) S4	91,100 oct. JP-1 NATS.(N)
Penn-Harris(Harrisburg)	4 ESE;RR N	400	18 L S6	80,91 oct.Flood lgts.(Pa)
Penns Grove (N.J.)	3 SE;lk ENE	10	23 S4	80 oct. Obsts sur fld.
PHILADELPHIA Range (Southwest) (Pa)	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
Philadelphia Main Line (Paoli, Pa)	2.8 WNW;hwy S	310	21 S4	No fuel P-line ESE
PHILLIPS Tower (Md)	215 (126.18)		CA	(3);126.18 (8-18,Mon -Fri) (8-1630,Sat , and Sun.)
(A) Phillips (Aberdeen,Md)(A)	3.2 S;RR W	57	50h L5 S1	73,100 oct. CLOSED.
Phoenixville (Pa)	3 NE	300	24 S4	Data unver.
→ Pimlico (Baltimore,Md)	6 NW	449	32 S6	80, 91 oct.E blkd.
(N) Piney Point (Md)	0.8 WNW	10	14h	Use rnwys only.
Pottstown (Pa)	4.5 E;hwy N	311	30 S6	80 oct. Bldg NW.
QUANTICO Navy Range (Va)	203 (NYG)	20°,4.6	MRLZ	3105,4495 (MCAS)
(A) [Reading] (Pa)	3 NW;riv E	342	52h L6 S6	80,91 oct.Ltd maint,100 oct Army B-2 lgts prior req.
Rehoboth Aircrafters (Rehoboth Beach,Dela)	2.5 W;hwy N	10	35 L S6	80,91 oct.Port lgts on req. P-lines WNW,E,W.
Red Lion (St.Georges,Del)	3.2 N;hwy W	50	19 S4	80 oct.
Reigel (Campbelltown,Pa)	1 N;hwy N	475	20 S4	80 oct.
Reynolds (Culpeper, Va)	4 NNE;rd W	470	19 S4	80 oct.Trees NNE,SSW
RICHMOND Range (Byrd)	260(RW)(116.1)	20°,1.9	SBRAZ-DTV	(3); 116.1 (Va)
Rock Hall (Md)	2.4 NNE;hwy W	30	30 S4	80 oct.
Rutherford (Baltimore,Md)	7 W;RR W	500	23 S6	80 oct. Twr N.
Salem (N.J.)	2 ESE;rd S	15	22	CLOSED.
Salisbury (Md)	5.3 ESE	52	50h L5 S1	91 oct. Lgts prior req.
Schuylkill (Pottsville,Pa)	8.3 ESE;lk SE	510	29 L S6	80 oct.Port rnwy lgts.Hills E, NE, SW.
Seabrook (Bridgeton,N.J.)	4.5 NE;RR W	110	24 S1	80 oct.P-line W, WSW.
Shady Side (Md) (NC)	1.8 SSW	10	15 S4	80 oct. SSW blkd
Shannon (Fredericksburg, Va)	1.6 SSE;riv E	50	23 S6	80 oct
Sky View Acres (Muncy, Pa)	1 E	510	24 S4	Data unver.
Stevens (Frederick, Md)	5.8 N;hwy E	440	28 S6	80 oct. NE blkd.
Stowe-Pottstown (Pottstown, Pa)	1.7 NW	245	26 S6	80 oct. P-line S.
Sunset Airways (Chambersburg, Pa)	3.5 NNE;RR NNW	650	24 S4	80 oct. P-line E,NNW.
→ Sussex (Frankford,Del)	1.5 N;hwy W	30	20 S4	80 oct.Port flares on req.
(P) Sussex Co.(Georgetown, Del)	1.5 E;RR NW	51	50h L5 S1	80,91 oct.Lgts prior req.
Swatara Valley (Pine Grove, Pa)	4 WSW;RR N	480	21 S4	80 oct.
Taneytown (Md)	2.9 WNW	500	23 S4	80 oct. SW blkd.
Tappahannock Flight Strip (Va)	0.8 W	30	40h	8000' strip avail.
Taylor (New Kingston,Pa)	0.5 SE;hwy N	440	28 S6	80 oct. P-line N.
Valley Arpk (York, Pa)	3 ENE;RR N	420	21 S6	80 oct. Poles SSE,NNW.
Vineland (N.J.)	4.3 SSW;RR 1 E	65	24 S6	80 oct. P-line E. Use center of strips.
WASHINGTON Range (D.C.)	332(WA)(116.1)	25°,0.9	SBRAZ-DTXV	(3); 116.1
Waynesboro (Pa)	3 SE;hwy N	700	20h S6	80 oct.
Waynesboro (Va)	3 W;hwy N	1500	26 S1	80 oct.Trees WSW.
Webb (Easton, Md)	2.5 E	50	26 S6	80 oct. P-line S,SE.
WEBSTER Tower (Md)	3345 (142.74)		CN	3105;142.74 (24 hrs. advance notice)
(N) Webster (Beachville,Md) (N)	0.8 WSW;riv N, W	21	50h	Trees ENE.
West Chester (Pa)	2.5 NE;lk S	470	32 S4	80 oct.
(P) West Point (Va)	2.3 ESE	24	50h S4	80,91 oct. Riv SSW.
Woodstown (N.J.)	3 NW;hwy N	100	22 S4	80 oct. Hedge SSE.
Womelsdorf (Pa)	3 NW;hwy E	540	13 S1	73 oct.
York (Pa)	8.3 WSW;RR E	500	19 L S6	73,80 oct.Floodlgts.Pole N
Zieger (Warrenton, Va)	3.7 S;hwy NE	440	20 S4	80 oct. Hill W, NW.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LC L2.R.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
→ BYRD	109.9			MM- •—•— (0,90)	OM- — — (4,36)
				MMK-	OMK-
READING	109.5	332.6	1°	MM- •—•— (0,59)	OM- — — (4,5)
→				MMK-	OMK-
				MM-	OM-

NEW FACILITIES

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→ Shallcross (Middletown,Del)	1.2 NNW	60	26 S4	80 oct.N,E,S blkd.
READING Tower (Penn)(NC)	281		CA (ILS-W)	No scheduled oper. AAF Reserve & NG Tng.
→ Pleasant Valley (Arcola,Va)	2.7 ESE	320	20 S2	80 oct.N blkd.
→ Rockville-Danielsville (Danielsville,Pa)	1.7 E;RR N	720	20 S6	80 oct.Hill N;p-line E.
→ Oliver (Millville,N.J.)	1.3 NE;rds NW	50	19 S6	80 oct.P-line N.
Bridgeton-Deerfield → (Bridgeton,N.J.)	6.5 N;hwy E	125	19 S2	80 oct.P-line E.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

WASHINGTON 67

●COMPULSORY REPORTING POINT
○NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 4 QUADRANTS.

FOR DETAILS IN THIS AREA SEE CHART 69

HARRISBURG 242 (116.1)
MT UNION
LEWISTOWN
CARGILL
PHILIPSBURG
SYRACUSE 53
SCHUYKILL
ALLENTOWN-BETHLEHEM
FOGELSVILLE
ESTLER
KUTZTOWN
SWATARA VALLEY
GRIMES
BERKS
PENN-HARRIS
WOMELSDORF
LEBANON CO
HERSHEY
MILLARD
REIGEL
MIDDLETOWN
TAYLOR
CARLISLE
HARRISBURG STATE 278kc 118.7mc
OLMSTED AAF 396 (126.18)
LANCASTER
VALLEY
SUNSET AWYS
CHAMBERSBURG
YORK
SEVEN VALLEYS
GETTYSBURG
DOERSOM
N.Y. WASH
DEVENER
NEW FREEDOM
WAYNESBORO
PA
MD.
HAGERSTOWN
TANEYTOWN
C.A.P. BASE NO. 332
NORTH END
MARTINSBURG
STEVENS
FREDERICK CITY
MARTINSBURG 209
LEESBURG
DAVIS
LISBON
RELAY
PIMLICO
RUTHERFORD
N. BALTIMORE
BELTSVILLE
GLENBURNIE-WHIPP
HERNDON 22
FRONT ROYAL 359
BLUE RIDGE
ARCOLA 233 (116.1)
PLEASANT VALLEY
MANASSAS
WASHINGTON 332 (116.1)
ZIEGER
REMINGTON
REYNOLDS
MCAS. QUANTICO 203
GORDONSVILLE 388
SHANNON
NORTHFIELD
HERMITAGE
CENTRAL
BYRD 396 (118.7, 126.18)
RICHMOND 260 (116.1)
PARNELL
MIDWAY
CHESTER
RAWLINGS
BLACKSTONE 371
TO NORFOLK
DAWN 25
MT. VERNON
MT. VERNON (W) 269
DONCASTER 25
BRANDYWINE 379 (116.1)
NAF. DAHLGREN 375 (142.74)
TAPPAHANNOCK
WEBSTER
PINEY POINT
NAS. PATUXENT RIVER 347 (142.74)
NAS. PATUXENT RIVER 215
NAS. PATUXENT RIVER APPROACH ZONE INCLUDES AIRSPACE UP TO 4000' M.S.L.
NAF. ANNAPOLIS 2870 (142.74)
ANNAPOLIS
LEE ANNAPOLIS
EASTON
WEBB
BRIDGEVILLE
DE VRIES
REHOBOTH
SUSSEX CO.
HOLLY BROOK
LAUREL
SUSSEX
HARRINGTON
DELMARVIA
HICKMAN
MIDWAY
SALISBURY
NAAS. CHINCOTEAGUE 227
POCOMOKE
NAAS. CHINCOTEAGUE 3295 kc 142.74 mc
PARKSLEY
JOHNSON
MELFA
LIVELY
CURRELL'S
HUMMEL
KELLAM
NORFOLK 97
TO NAS, NORFOLK
LANGLEY AAF 221
PHILADELPHIA 266 (116.1)
BETHLEHEM-EASTON
ALEXANDRIA
CONVAIR
EMMAUS
LAYFIELD
MADEIRA
NEW HANOVER
READING
STOWE-POTTSTOWN
POTTSTOWN
PHOENIXVILLE
MAIN LINE
PAOLI-MALVERN
COATESVILLE
W. CHESTER
LANCASTER MUN.
DU PONT 388
NEW CASTLE CO. 219kc. 118.5, 126.18mc.
BOOTHWYN
PENNS GROVE
BIGGS
WOODSTOWN
BELLANCA
LOVETT
NEW CASTLE 350
PILOT'S HAVEN
RED LION
SEABROOK
BUCKS
VINELAND
GREENWICH
SMYRNA
MILLVILLE
MILLVILLE 365 (116.1)
ALDINO
ABERDEEN
PHILLIPS AAF 215 (126.18)
DIFFENDAHL
SHALLCROSS
EDGEWOOD ARSENAL AAF
MARTIN 317
KENT
GILL
BALTIMORE 257 (116.1)
BALTIMORE 278 (118.9, 126.18)
FAYBROOK
ROCK HALL
MEEKINS NECK
DOVER AAF
SUNGLO
DOVER AIR PARK
HARTLY
KROELINGER
BETHLEHEM-EASTON
C.A.
ALEXANDRIA
METUCHEN
PHILA. NORTHEAST 371
10 MI. HOLLY
NEW YORK 71
10 STATUTE 0 MILES 20
PITTSBURGH 65
10 GORDONSVILLE
N. ALTOONA
TO ALTOONA
PITTS. N.Y.

RADIO

DIST. OF COLUMBIA

LOCATION	FREQ., IDENT.	BEAR. & DIST.	STA. CLASS	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANACOSTIA NAS Tower	396(142.74)		CN	(3);142.74(7-sunset & on req.)
BOLLING Tower	212(126.18, 137.88)+		CA	(3); 126.18,137.88
WASHINGTON Range	332(WA)(116.1)	25°,0.9	SBRAZ-DTXV	(3); 116.1
Washington Nat'l. Tower	278 (126.18, 118.5, 118.1)		AC (ILS-W)	(4);118.5,126.18,122.5 (GCA test basis)
MARYLAND				
ANDREWS Army Range	248(DCM)	10°,1.2	MLZ	
Andrews Tower	317 (126.18)+		CA(ILS-W)(GCA)	(3); 126.18
BELTSVILLE FM	(-)	41°,17.6	FM	Washington, D.C.
DONCASTER FM	(. . . - - -)	205°,24.7	FM	Washington, D.C.
PENNSYLVANIA				
BOOTHWYN FM	(- - -)	260°,1.5	FM	Philadelphia
HOLMESBURG LFM	(- - -)	238°,6.5	LFM	NE Philadelphia
JOHNSVILLE Tower	284(142.74)		CN	3105 cont.;4495,6210;116.1, 126.18,140.58,142.74 on req. (8-1/2 hr. past sunset)
MUSTIN NAAF Tower	251 (126.18, 142.74)		CN	(3); 126.18,142.74 (7-sunset, other hrs. on req.)
PHILADELPHIA SW Range	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
Philadelphia SW Tower	278 (118.1)		C (ILS-W)	(4); 118.1
→ Philadelphia NE Range	371 (NF)	238°,2.9	MLWZ-DT	
Philadelphia NE Tower	212		CI	(4)
→ WILLOW GROVE Navy Range	391 (NXX)	241°,3.3	MRLZ	(3); 142.74
Willow Grove NAS Tower	356 (142.74)		CN	(3); 142.74 (days only except on 1 hr's advance notice)
WINGS Tower	278		CI	3105 (9-17)
VIRGINIA				
ALEXANDRIA LFM	(- - -)	209°,2.4	LFM	Washington, D.C.
HERNDON FM	(- - - -)	317°,21.8	FM	Washington, D.C.
MOUNT VERNON H Fac	269 (W)	209°,8.2	FMHW	(Cont.) Washington,D.C.
MOUNT VERNON FM	(. . - - -)	209°,8.2	FM	Washington, D.C.
QUANTICO Navy Range	203 (NYG)	20°, 4.6	MRLZ	3105, 4495
Quantico MCAS Tower	3295 (142.74)		CN	(3); 142.74
NEW RADIO FACILITIES				
BRANDYWINE Range (Md.)	379(BDW)(116.1)		SMRLZ-DV	(3);116.1

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ANDREWS (A)	110.3	335	10°	IM- (0.05)	MM- (1.20)	OM-
					MMK-379	OMK
PHILADELPHIA SW	109.9	333.8	85°	IM-	MM- •—•—• (0.66)	OM- — — (5.66)
					MMK-	OMK-230 •• — •
WASHINGTON	109.9	333.8	360°	IM- •••••• (0.03)	MM-	OM- — — (3.60)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + —Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

DIST. OF COLUMBIA

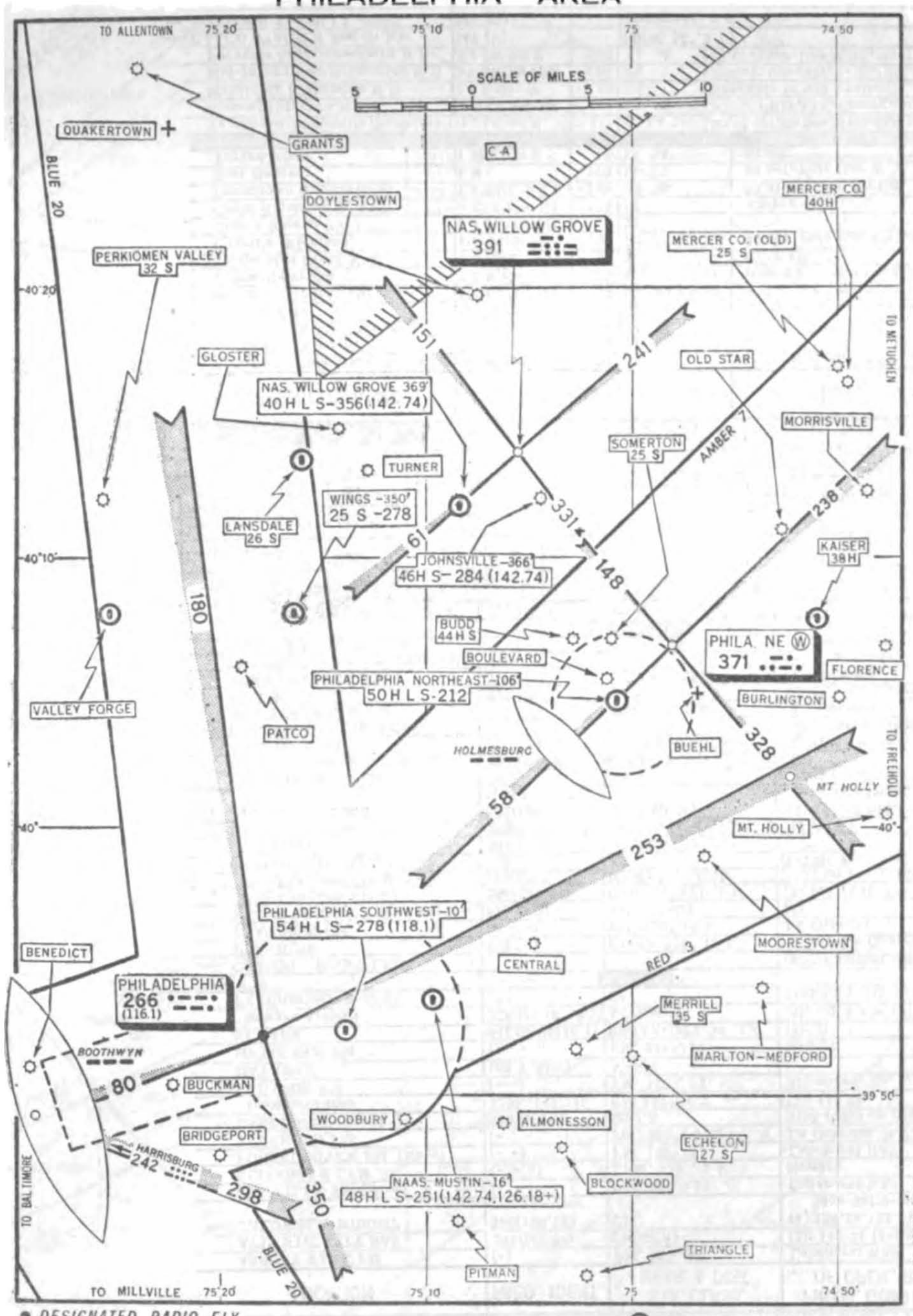
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Anacostia NAS (Washington) (N)	2.4 SE of Monument	10	50h R1 L5 S6	100 oct. No bcn.
(A) Bolling (Washington) (A) →	3 SSE of Monument;riv W	20	60h R1 L5 S6	80,91,100 oct.JP-1E blkd.
(A,N) WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct. JP-1 on req. FOREIGN CLEAR.STN. Rdo reqr. NATS
MARYLAND				
(A) Andrews (Camp Springs)(A)	1.5 E	279	55h R3 (L6) S6	80, 100 oct. JP-1.
(N) Beltsville OLF (N)	5 ESE	180	44h	
Capital (Berwyn)	2 NW; RR E	70	20	NOT MAINTAINED.
College Park	8.5 NE of D.C.	50	22 S6	80,91 oct.S,NW blkd.RR NW
→ Columbia Air Ctr. (Croom)	3 E;riv E	40	33 S6	80,91 oct,Trees N,NW.
Congressional (Rockville)	2 SSE; hwy E	450	33 S6	80 oct. Pole line E, NE.Allway
Curtis (Brandywine)(NC)	3 SSW; RR E	200	18	Pole line N, W. fld.
Erco (Riverdale)	0.4 NE; RR W	50	15h S2	80 oct.Closed. 2800' rnwy avail
(A) Fort Meade (A)	0.5 NE ctr of reservation	180	19h S1	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

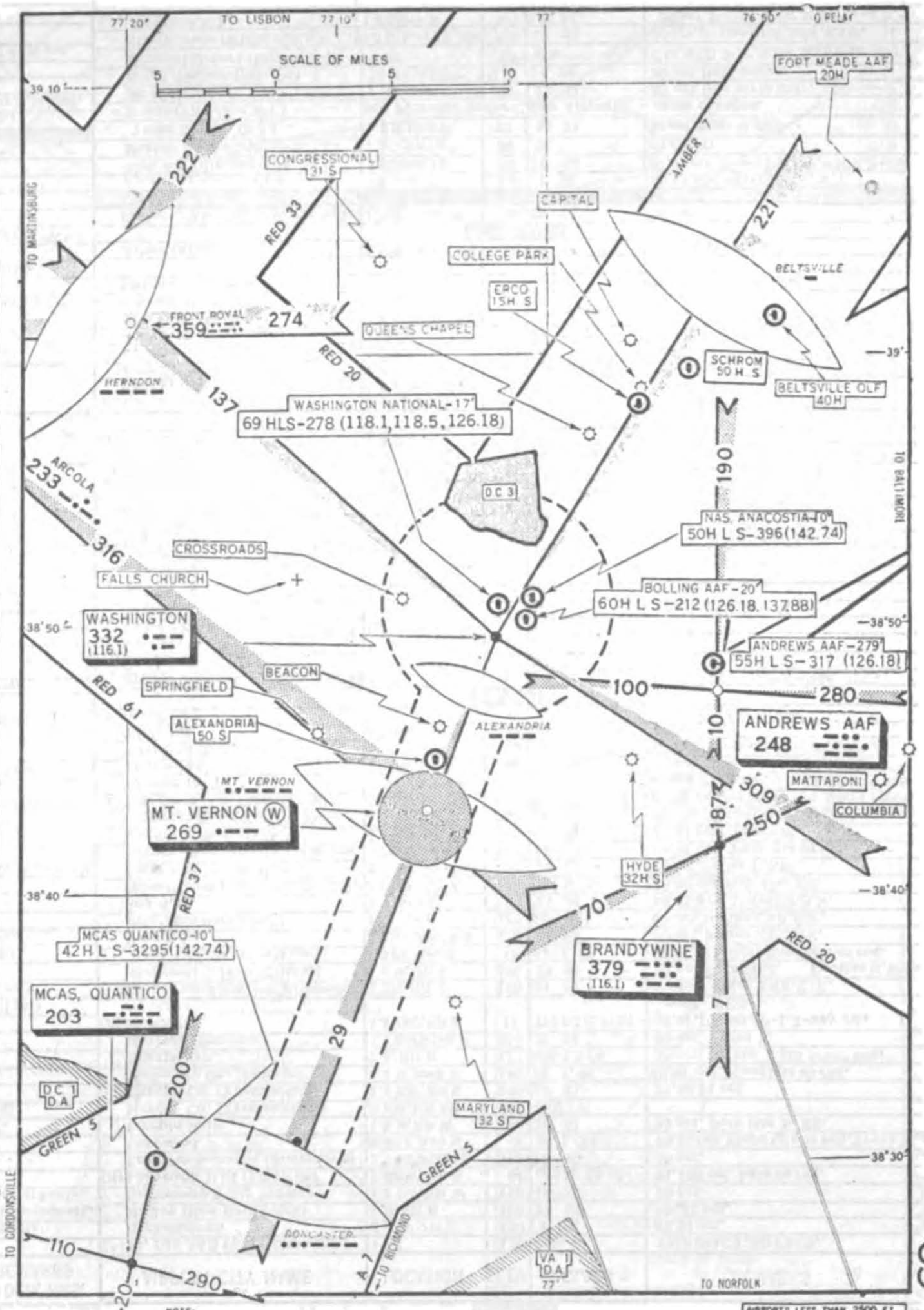
MARYLAND

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Hyde (Clinton)	2 WSW	249	32h L S6	80, 91 oct.Port flood lgts on req.
Maryland (Pomonkey)	0.2 S; RR S	170	32 S6	80,91 oct, SSE blkd.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct. NE blkd.P-line SE.
Schrom (Greenbelt)	0.3 SW; hwy W	177	50h L S6	80,91 oct.Floodlgts on req.SSE-blkd.
NEW JERSEY				
→ Almonesson (Blackwood)	1.9 NW;RR E	50	21 S6	80 oct.Obst sur fld.
Bridgeport	0.8 ESE; RR N	23	18 S4	80 oct.
Burlington Airpark	1.7 ENE;hwy NNW	30	24 S4	80,91 oct, P-line E,SSE,NNW
Central (Camden)	1.8 E;riv S,W	20	25h L4 S5	80,91 oct.
Echelon (Ashland)	0.5 SE; RR W	100	27 S6	80, 91 oct. Pole line NW.
MARLTON-MEDFORD INC. → (Marlton)	1.5 ENE	80	30 S2	80 oct.
Mercer County, new (Trenton)	5 NW; RR SE	211	40h	
Mercer County, old (Trenton)	5.8 NW; RR E	200	25 S1	73, 80, 91 oct.
Merrill (Barrington)	1 ESE; RR E	70	35 S6	80 oct. No sto.Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 L S4	80,91 oct, Port rnwy lgts on req.
Pitman	1.6 NNW;RR E	100	19 S6	80 oct. P-line SE,SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2	80 oct. Pole line SW.
PENNSYLVANIA				
Benedict (Chester)	6.5 W	400	26 S2	80 oct. Data unver.
Boulevard (Philadelphia)	12 NE;RR SW	160	22 S4	80 oct. Obsts sur fld.
Buckman (Chester)	2.3 WSW;RR NW	90	20 S4	80 oct. No sto.
Budd (Philadelphia)	13 NE;RR N	240	44h	Trees E,W.
Doylestown	1.5 NNE;RR SW	400	22 S6	80 oct.
Gloster (Montgomeryville)	0.7 SE;hwy W	460	22 S1	80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW;hwy E	600	18 S6	80 oct.
(N) Johnsville (N)	0.5 N;RR E	366	46h R1 S1	91,100 oct.P-line W,NW.
Kaiser (Bristol)	2 N; riv SE	35	38h	Pole line SW. RESTRICTED.
Lansdale	1.6 ESE	450	29 S6	80,91 oct. P-line N,NE,E,S,W.
Morrisville	1.6 W; riv E	180	24 S6	80 oct.P-line NE,E,SE,SW,W,NW.
(N) Mustin NAAS (Philadelphia)(N)	4 S; riv S	16	48h R1 L5 S6	100 oct. Obst sur fld.
Old Star (Langhorne)	2.4 E; RR N	180	24 S5	80 oct. No sto. Poles N, S.
Patco (Norristown)	2.5 SE;bet RRs	200	15 S6	80,90 oct. No sto.
Perkiomen (Collegeville)	1.5 NE;rds NE	280	32 S6	80 oct. P-line N,NE,E,SE.
(P) Philadelphia Northeast	12.2 NE;hwy W	106	50h R2 L5 S1	80,91 ,100 oct,No flood lgts.
PHILADELPHIA SOUTHWEST	6.5 SW;riv SW	10	54h R3 L6 S6	82,91 oct. Rdo rec rqrd.
Quakertown	2 W; hwy E	520	21 S4	80 oct. No sto.
Somerton (Philadelphia)	14 NE;RR N,E	200	25 S6	80 oct. Poles N,S,W.
Valley Forge (Norristown)	4 WNW;riv NW	250	24 S6	80 oct. Riv SE.
(N) Willow Grove NAS (N) NATS	4 NNW;hwy E	369	40h R2 L5 S4	91,100 oct. No sto.
Wings (Ambler)	3 WSW;rds E,W	350	25 R1 S6	80,91 oct. Trees N,S.
VIRGINIA				
→ Beacon (Alexandria)	3 SSW;hwy E	246	27 L4 S6	80,91 oct. P-line SE,S,SW,NW blkd.
Crossroads (Alexandria)	4.5 NW;hwy NE	250	20 S1	Ltd 80 oct. Bcn;flood lgts prior req.
Falls Church	2 SW;hwy N	350	25 S4	80 oct.E,W blkd.
Hybla Valley (Alexandria)	See Alexandria under "New Airports" - name changed.			
(N) Quantico MCAS (N)	1.2 SSW;RR W	10	42h R2 L5 S6	73,91,100 oct.
Springfield (Annandale)	3.5 SSE;RR E,N	240	20 S4	80 oct. No sto. Obsts sur fld.
NEW AIRPORTS				
Woodbury (N.J.)	1.8 SSW;RR N	50	21 S4	80 oct.
Alexandria, (Va.)	4.5 SSW;hwy E	66	50 S6	80 oct.Trees,pole lines sur field.
Turner (Lansdale, Pa.)	4.2 ESE	375	19 S6	80 oct.
Worth (Florence,N.J.)	1 SE;riv N	50	24 S4	80 oct.P-line W,SW,NW.Trees S.
Mt Holly (N.J.)	1 N;rd N	70	22 S1	80 oct.Use strips only.

PHILADELPHIA AREA



WASHINGTON AREA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON EDGES OF CHART LEGS IDENTIFY 'B' CORRIDORS.

AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT BDY.

RADIO

NEW JERSEY

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASBURY PARK FM	(-)	FM, 62°, 20	Lakehurst NAS.
ATLANTIC CITY NAS	275(142.74)	CN(GCA)	(3): 142.74 (8-sunset)
CALDWELL-WRIGHT	260(126.18)	CI	(4);126.18,122.5 (830-sunset, Mon-Sat,9-sunset Sun)
CASSVILLE FM (Navy)	(- - - -)	FM,337°,3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°, 1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM, 157°, 15	Lakehurst NAS
FREEHOLD FM	(- . - . -)	FM, 222°, 47.5	La Guardia, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295 (142.74)	CN; 157°, 0.7	(3); 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
MATAWAN	108.7 (MW)	VARW	
METUCHEN FM	(. . - - -)	FM, 238°, 13	Newark
NEWARK	341 (NK)(116.1)	SBRAZ-DTV;58°,1.0	(3); 116.1
Newark Airport	278(126.18,118.3)	AC(ILS-W)	(4); 122.5,126.18,118.3
TETERBORO (Bendix)	326	CI	3105,6210,3117.5;122.5

NEW YORK

CLASON POINT LFM			DECOMMISSIONED
FLATBUSH	353 (F)	FMHW;222°,16.1	(Cont.) La Guardia
FLATBUSH FM	(- - -)	FM, 222°,16.1	La Guardia
FLOYD BENNETT (New York)	379 (FB)	SMRLZ-DT	(3)
Floyd Bennett Fld NAS	388(142.74)	CN(GCA);122°,1.9	(3);142.74 (8-17)
Floyd Bennett Fld NAS (NC)	532(NSC)	MHW; 122°,0.15	(8-17 on req.) (Floyd Bennett)
GRUMMAN (Bethpage,L.I.)	323	CI	(7-2359 Mon-Sat)
IDLEWILD	248 (NY)	SMRLW, 72°,2.3	
LA GUARDIA (New York)	209(LG)(116.1)	SBRAZ-DTXV;222°,3.2	(3);116.1
La Guardia Field	362(126.18 ,118,1,118.7	AC (ILS-W)	(4);126.18,118.1,118.7,122.5, & airline frecs.
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 weekdays)
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAZ-DT;301°,3.2	(3)
Mitchel Field	396(126.18) +	CA(ILS-W)(GCA)	(3);126.18(approach control)
NEW YORK (La Guardia)			DECOMMISSIONED
NEW ROCHELLE FM	(-)	FM, 42°, 5.6	La Guardia
NEW ROCHELLE	275 (R)	FMHW;42°,5.6	(Cont.) La Guardia
PORT CHESTER FM	(- -)	FM; 42°, 16.5	La Guardia
REPUBLIC FIELD(Farmingdale)	371	CI	(3) (days only)
ROCKAWAY PARK LFM	(- -)	LFM, 122°, 5.0	Floyd Bennett

PENNSYLVANIA

PHILADELPHIA NORTHEAST	371 (NF)	MLWZ-DT;238°,2.9	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LA GUARDIA	109.9	333.8	44°	IM-		MM- ·•-·- (0.81)	OM- ••-(4.49)
						MMA-233 ••-•	OMK 317 •-•··
MITCHEL(L6)(A)	110.3	335	301°	IM-	(0.04)	MM- ·····(0.87)	OM- ••-(4.14)
						MMK-257 •-•	OMK-272 •-•-
NEWARK (L6)	110.3	335	58°	IM-		MM- ·-·- (0.61)	OM- •• (4.64)
						MMK-201 •-•••	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + —Army A.C.S. transmits on aad guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Acft.Radio Corporation(Boonton)	2.6 N;riv S	550	32	Poles N,E.PRIVATE
Asbury Park Inc (N.J.)	3.3 NW;hwy SE	60	22 S6	80 oct.P-line NW.Trees SE.
Asbury Park Air Terminal	4.5 W;rd N	100	24 S2	80 oct. 125' tank E.
Atlantic City	1.3 WSW;RR N	11	31 S2	80,91 oct.Ltd sto.350' tank E,lgtd.
(N) Atlantic City NAS (N)	10 NW;RR NE	70	50h R1 L5 S4	80,100 oct.Lgts prior req.
Caldwell-Wright	2.4 N;riv N	175	47h R1 L1 S1	Rest'd to factory operations.
(CG) Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED.
Cavoli's (Richland)	1.5 W;RR N	100	20 S6	80 oct. Pole line NNE.Trees WNW
Clarke (Ocean City)	2.8 SW;RR SE	8	23	
Coyle (Chatsworth) (NC)	6 ESE;hwy NE	190	18	Emerg only.
Downstown (Landisville)	1.8 WNW;RR S	120	25 S6	80,91 oct.Obst sur fld.
East Hanover	1 N	170	15 S2	80 oct. Pole line W.
Forked River	1 ESE;riv S	12	18 S4	80 oct.

NEW AIRPORTS

Trenton-Robbinsville (Robbinsv'l)	1 ESE;rd N	115	40 L4 S6	80,91 oct.No bcn.N blkd.(N.J.)
Brown (Pittstown,N.J.)	1.5 SW;RR NE	340	40 d1	80 oct.PRIVATE.Emerg only.S,N blkd.
Mahalchik (Columbus,N.J)	2.8 S;hwy W	60	20	Unusable in wet weather.
Mid-Jersey(New Brunswick,N.J)	3 WSW;hwy SE	120	18	Emerg. use only.P-line SE.
Forsgate Arpt(Jamesburg,N.J)	1.6 SW;RR E	150	24 S6	80,91 oct.P-line N,NE,SW.Twr N end.
CALCO STACK H Fac (N.J.)	347 (V)		MHW, 58°,3.7	
LINDEN H Fac (N.J.)	359 (Q)		MHW238°, 5.0	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted).

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Ft. Dix AAB (Wrightstown)(A)	1 SE	120	81h	TMP INACT.NO FACS.
Hackettstown	2 SSW;riv E	560	30 S4	80,91 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80,91 oct.
Hightstown & Air Service	1.3 SW;RR W	110	19 S6	80 oct.
(N) Lakehurst NAS (LTA) (N)	1 NNW;riv N	94	38h R2 L5 S6	91,100 oct. Lgts on req.
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Lakewood	2.8 SE;hwy N	32	26 L S4	80,91 oct. Flood lgts on req. Trees W.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Pole line N, SE.
Mercer Co. (Trenton)(new)	5 NW;RR SE	211	41h	
Mercer Co. (Trenton)(old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co. (Belmar)	5.5 W;hwy E	180	35 L S6	80,91 oct. Flood lgts on req.
Morristown	3 E;RR N	187	40h L5 S4	80 oct. No sto. Lgts prior req.
Murchio (Paterson)	4.5 WNW;rd N	350	32 S4	80 oct. Trees N.
(A) NEWARK	3.5 SSE;RR E	18	79h R3 (L6) S6	80,91,100 oct. JP-1. 2-way rdo rqrd. FEE
North Brunswick(New Brunswick)	2 SW;RR E	120	25 S2	No fuel.Poles ENE,ESE.
Northwest Jersey (Clinton)	3.6 W,RR S	380	22 S4	80 oct.Poles N,S. P-line N,WSW.
Ocean Co. (Brenton Wood)	1.5 SE;crk S	18	29 L S6	80,91 oct. Port flood lgts on req.
Pennington	2 ESE;hwy S,E	230	24 S4	80 oct. P-line ESE,SSE.
Princeton(Rocky Hill)	1 W riv E	160	19 S1	80 oct, P-line ENE,SSE.
Red Bank	1 S;hwy E	80	26 S6	80,91 oct. P-line W,S,N.
Shinn-Woodbridge (Woodbridge)	3.9 NW;RR E	120	21 L S4	73,80 oct.Pole line SE.
Smith C.H. (Cape May)	2.2 NE;hwy NW	20	19 S2	80 oct,P-line E,NW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	45 L S6	80,91 oct. Port lgts on req.
Somerset (Somerville)	4.6 NW;RR SE	105	20 S5	80,91 oct. Trees W.
Somerset Hills (Basking Ridge)	1.6 SE;RR S	250	24 S6	80 oct. Pole line W. Rdo rcvr rqrd.
(P) Teterboro-Air Term.(Bendix)	0.5 SW;RR NW	5	30h R1 L5 S6	80,91 oct.No bndry lgts.Rnwy lgts on req.Rnwy data unver.
Trenton (NC)	6 NE;hwy NW	70	15 S1	80 oct,P-line W.
Trinca (Andover)	2 WSW;RR E	600	24 S6	73 oct. Restricted to USFS.
Westfield (Rahway)	2 W;lake N	100	24 S4	80 oct. No sto. Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h S6	80 oct,
(P) Woodbine	2 SE	39	33h L1 S6	80,91 oct, Bcn on req.

NEW YORK

Bender's-Brentwood (Brentwood)	1 ENE;RR N	85	10	CAUTION - construction. (NC)
Carll Skyport (Commack)	1 S;RR N,S	140	24 S1	80 oct. Trees S,SE.
Columbia (Valley Stream)	1 SW;RR N	15	29h	
Davis Flight Strip(Bayport)(NC)	1.3 NNW;RR S	40	22	
Deer Park (NC)	0.8 ESE;RR N	75	10	Trees adj E. Pole line W.
Donovan Hughes (Greenridge)	1 N;crks S,W	10	17 S1	80 oct.
Fitzmaurice(Massapequa)	1.5 ENE;RR S	36	14 S6	80 oct. No sto. Trees N,S.
(N) Floyd Bennett NAS (New York)(N)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto. No bcn. NATS
Flushing	1.5 NNW;pkwy E	4	32 L S4	80 oct. P-line W,SW. Port rnwy lgts
Grumman (Bethpage)	0.5 W;RR NE	119	54h R1 S5	91,100 oct. Poles SW,SE. prior req.
Hicksville Airpark	2.4 N;RR E	190	20 S4	80 oct. Rnwy data unver.
LA GUARDIA (New York)	5 E;riv N	19	60h R3 L6 S1	73,100 oct. Rdo rcv rqrd. FEE.
(P) MacArthur (Islip)	8 NE;RRs N,S	98	50h R1 (L5) S1	91 oct. All lgts prior req. Rdo rqrd.
(P) Mastic Flight Strip	2.6 NW	66	40h	
(A) Mitchel (Hempstead) (A)	0.5 NE;RR N	85	57h R3 (L6) S6	73,91,100 oct. JP-1. FOREIGN
Nassau (Hempstead) (NC)	4.5 E;hwy N	80	21	CLEAR. STN.
Republic (Farmingdale)	1.3 ENE;RR N	82	66h R1 L6 S1	NE blckd. Closed ngts. trans. PRIV.
Richmond Co. (Travis) (NC)	0.5 SW;riv W	10	24	160' chimney SW.
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct. Pwr line S,SE. Port rnwy lgts
Roosevelt (Mineola)	1.6 ESE;RR N	90	30h L3 S5	80,91,100 oct. Wires NE.
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S; rd W	40	22 S4	80 oct. Pole line SW.
Zahns (Amityville)	2.5 NNE;RR NE	80	22 S6	80 oct. Pole line SW.

PENNSYLVANIA

Skyhaven Aircenter (Morrisville)	1.2 SSE;RR W	25	26 S4	80 oct.

NEW AIRPORTS

Aviation Country Club	2 S;hwy S	104	24 S6	80,91 oct. (Hicksville, N.Y)
New Sayville (Sayville, N.Y.	2 N;hwy 1 S	50	30 S4	80,91 oct. Trees NE,SW,WNW. P-line NE.
Nassau Arpk (Princeton,N.J.)	2.5 S;hwy S	80	30	CLOSED.
Toms River, (N.J.)	1.3 N;hwy W	70	21 S1	80 oct. Bush N,ESE.
Worth (Florence,N.J.)	See Florence under "New Airports" - name changed.			
Mt Holly (N.J.)	1 N;rd N	70	22 S1	80 oct. Use strip only.
Buehl (Philadelphia,Pa)	18 NE;RR SE	110	24 S4	80 oct. Data unver.
General Motors (Linden,N.J.)	1 SE	23	42h	CLOSED. W,E,S,NW less than 10-1.
Star Harbor (Williamstown,N.J.)	0.8 N;hwy SE,NW	100	18 S1	80 oct. P-line ENE,SSW,WSW.
Florence,N.J.	1 SE;riv N	50	24 S4	80 oct. P-line WSW,NW. Trees S.

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R : EXTREMELY HAZARDOUS

0 : USABLE WITH CAUTION

FOR V.H.F. RANGES SEE CHARTS 144 TO 148

SOUTHERN NEW JERSEY

NEW YORK 71

MATAWAN VHF RANGE

NOTE:
HEAVY LINES ON EDGE OF RANGE LEGS INDICATE "0" QUADRANTS.

REMAIN ABOVE 3000' NEAR LAKEHURST, ALSO BETWEEN THE NAS AND COAST (INTENSIVE AIRSHIP ACTIVITIES) UNLESS APPROVED BY THE NEW YORK CENTER

EXTENSIVE FLEET AIR OPERATIONS IN OFF-SHORE AREA TO APPROX 100 M. SEAWARD. N. BOUND U.S.-CANADIAN BORDER, S. BOUND LAT 35-00

ALL FACILITIES IN NEW YORK FLIGHT ADVISORY AREA

SCALE OF MILES

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
➧ FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT;210°,3.2	(3);4220,126.18
Fairfield-Suisun AAF (Army)	350(126.18)	CA(ILS-W)(GCA)	(4); 4220;126.18
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ;160°,2.1	
Hamilton Field	219 (126.18)+	CA◆ ;53.13	(3);126.18,4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA	(3); 126.18
Mather Army (H fac.)	476 (DIM)	H ; 216°,0.8	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV,199°,0.2	(4);116.1,122.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-DTV	(3); 116.1
Sacramento Airport	278 (126.18)	C; 22°, 1.7	(4);122.5
SALINAS	266(SB)(vhf)	BMRL-DTV;310°,2.4	(4);116.1,122.1
SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV,291°,3.6	(3);122.1
➧ SANTA ROSA NAAS			DECOMMISSIONED
➧ SAUSALITO FM			DECOMMISSIONED
STOCKTON	212(JW)(vhf)	BMRL-DTV;285°,3.1	(4);116.1,122.1
NEW RADIO FACILITIES			
SALINAS	109.1(SB)(vhf)	BVAR	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
➧ FAIRFIELD-SUISUN(L6)(A)	110.3	335	210°	IM- (0.3)	MM- (0.85)	OM- (4.7)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

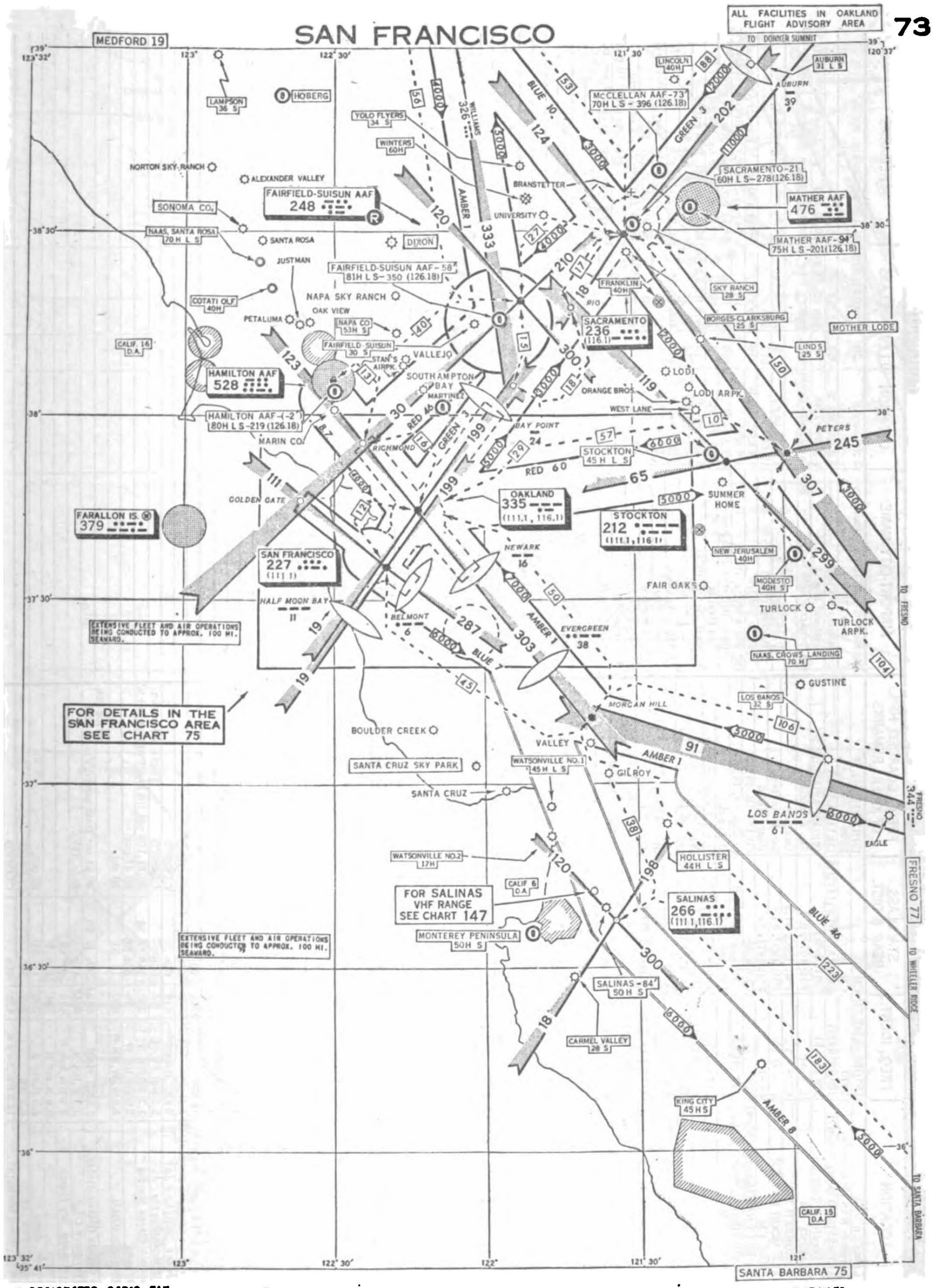
AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15 29 S1	Trees S.
➧ American Legion(Salinas)	1.8 NNW			ABANDONED
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg	2.4 NNE,riv SE	15	27 S6	80 oct. E,SSE blkd.(Clarksburg)
Boulder Creek				80oct.Lgt planes&exper.pilots only.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unverj Sur by mtns.
Carmel Valley	12.5 ESE,riv S	450	19 S2	80 oct.
(N) Cotati OLF (N)	1.5 N,RR E	94	39h	Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	CLOSED
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.
Fairfield-Suisun	1 E,RR N	7	35 S6	80 oct.N,S,W,NW,SW blkd.
(A) Fairfield-Suisun AAF (A)	5.5 NE	58	81h R3(L6)S4	73,100 oct.FOREIGN CLEAR STN.
(A) Franklin (A)	5.5 SSE; riv E	21	40h	CLOSED
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	2	80h R2 L5 S6	73-100 oct,JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	17 L S2	80 oct.No sto.Flare pots prior req
King City	1.5 NNE,RR W	370	45h L S6	80,91 oct. Obst lgts on req.
(P) Kingsbury (Lodi)	See Lodi under "New Airports" name changed.			
(P) Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.
(P) Lincoln	5.6 WNW;hwy S	120	40h S4	80 oct.
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.Poles E.
Lodi Airpark	4.5 SW;hwy E	25	28 S6	80 oct. P-line E.No sto.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE;bay E	2	22 S6	80 oct. Use N pattern.
Martinez	0.8 N,RR S	6	20 S6	80,91 oct.Hill W.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	91	75h R2 L5 S6	91,100 oct. No sto. TEMP INACT
➧ MODESTO	2.2 ESE,riv S	100	40h L5 S6	80,91 oct.
(N) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L5 S6	80,91 oct.Lgts prior req.NO NAVY
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S. FAC.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	75	20 S6	80, 91 oct. Hwy W.Flares req.
(A) New Jerusalem(Tracy)(A)	8.5 ESE	56	40h	River E. CLOSED prior req.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	25 S1	80 oct.Pole line WNW,ENE
Orange Bros. (Stockton)	5 N; RR E	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
Petaluma	1.7 N,RR E,W	30	18 S6	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct.
(P) SALINAS	2.5 SE,RR SW	84	50h R1 L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E;RRS	96	26 S6	80,91 oct.Trees NW,SW.
(P) Santa Rosa	See Sonoma Co. under "New Airports" - name changed.			
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h	INACTIVE.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S6	80,91 oct.Port rnwy lgts. NE,S,SW
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. blkd.
State Forestry(Davis)(NC)	3 E,hwy N	28	26	Power line W.
(P) STOCKTON	4 SSE,RR W,SW	28	45h R1 L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW;crk S	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct. Wire NE
Valley (Morgan Hill)	1.2 S,hwy E	240	17 S1	80 oct. P-line SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW;hwy E	125	23h	
West Lane(Stockton)	4.1 N,RR W	25	25 S6	80,91 oct.W blkd.Wire NW.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	98	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S6	80,91 oct. Port rnwy lgts.Poles E.
NEW AIRPORTS				
Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.
➧ Santa Cruz Sky Park	5.3 N;hwy E	500	21h S6	80,91 oct. Trf.pat.S.
Turlock, (Calif.)	4 WSW;RR N	100	18 S1	80 oct.
Turlock Arpk, (Calif.)	1.5 SSE;hwy E	95	15 S2	73,80 oct.
(P) Sonoma Co. (Calif.)	7 NW;RR E	118	45h L5 S6	80,91,100 oct.Lgts on req.
Dixon (Calif.)	1.8 NNE;hwy NW	65	21 S2	80 oct.P-line N.Soft when wet.
Southampton Bay Air Harbor (Benecia,Calif.)	2.9 WNW;hwy E	10	24 S3	80 oct.Wires SSE.Soft when wet.
Fair Oaks Sky Nook(Fair Oaks,Calif.)	2.3 S;hwy,RR E	70	21 S4	80,91 oct.ENE blkd.
Gilroy (Calif.)	2 NW;rd E,N	240	25 S2	80 oct.NE,E,SE blkd.
(P) Lodi (Calif.)	6 WSW;RR NE	15	40h S6	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ★ - Guarded only when associated tower inoperative.

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) ➧ New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

SAN FRANCISCO



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓔ: EXTREMELY HAZARDOUS

Ⓘ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF BASE LEGS INDICATE "E" BOUNDARYS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS OR AIRPORT SIGN.

SCALE OF MILES
10 0 10 20 30

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C (ILS-W)	(4);126.18,118.5,122.5
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
LEBEC FM	(- -)	FM; 141°, 42	Bakersfield
MOFFETT NAS(Mountain View)	3295	CN(GCA)	(3);126.18, 142.74
MT. VIEW(Navy)(Moffett NAS)	323 (NUC)	BMRLZ; 320°, 1.9	(3);126.18, 142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMHW;123°,16.0	(Cont.) Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV	(4);116.1, 122.1
Oakland Airport	278(126.18,118.7)	AC(ILS)(GCA);199°,0.2	(4);126.18,118.7,122.5
PASO ROBLES	(108.7) (OB)	VARW	
POINT MUGU NAMTC	3295(142.74)	CN	3105,6210;142.74 (8-20)
SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV	(3);122.1
San Francisco Airport	269(126.18,118.9)	C, [illegible]3,6	(4);126.18,118.9,122.5
SAN FRANCISCO GAP	356 (F)	MHW;285°,10.0	(Cont.) San Francisco
SANTA BARBARA	(108.3)(OY)	BVAR	(4)
→ SANTA BARBARA	320(OY)(vhf)	BMRLZ-DTV	(4);116.1
Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4);118.7,126.18,122.5,142.74
→ SAUSALITO FM		FM; 27[illegible]	DECOMMISSIONED

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- ·–·– (0.62)	OM- –– (4.71)
					MMK-	OMK-
OAKLAND	109.9	333.8	274°	IM- ····· (0.12)	MM-	OM- –– (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S Simul Range and Voice, W-Without Voice, Z VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay S,W	15	52h R1 L5 S6	91,100 oct.No sto. NATS
(A) Allen (Taft)(A)	26 ESE	500	31h	CLOSED
Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 S6	80,91 oct. P-line N.
Belmont	0.5 N,RR W	5	30 S6	80,91 oct.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
Concord	1.9 NE,hwy S	104	40h	CLOSED
Contra Costa Co. (Concord)	See Buchanan,Calif. under "New Arpts"-name changed			
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
(A) Estrella AAF(Paso Robles)(A)	4.5 NE	806	50h	CLOSED
(A) Gardner (Taft) AAF (A)	9 ESE,RR SE	444	60h	CLOSED
(A) Half Moon Bay (A)	5.5 NW;hwy E	36	50h	CLOSED Lgts prior req.
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W.
(P) Hayward	2 WSW,RR W	25	55h S6	80,91 oct.
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct, prior req.
La Cresta (Bakersfield)	2.5 NE,riv N	660	36h L S6	80,91 oct.Data unver. Flare pots
(N) Livermore OLF	3.7 E,RR N	626	43h	INACTIVE.
(N) Livermore Sky Ranch	2 WNW,hwy E	448	40 L2	
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED
→ (A) Minter (Bakersfield)(A)	13.5 NW,hwy E	425	45h	CLOSED

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

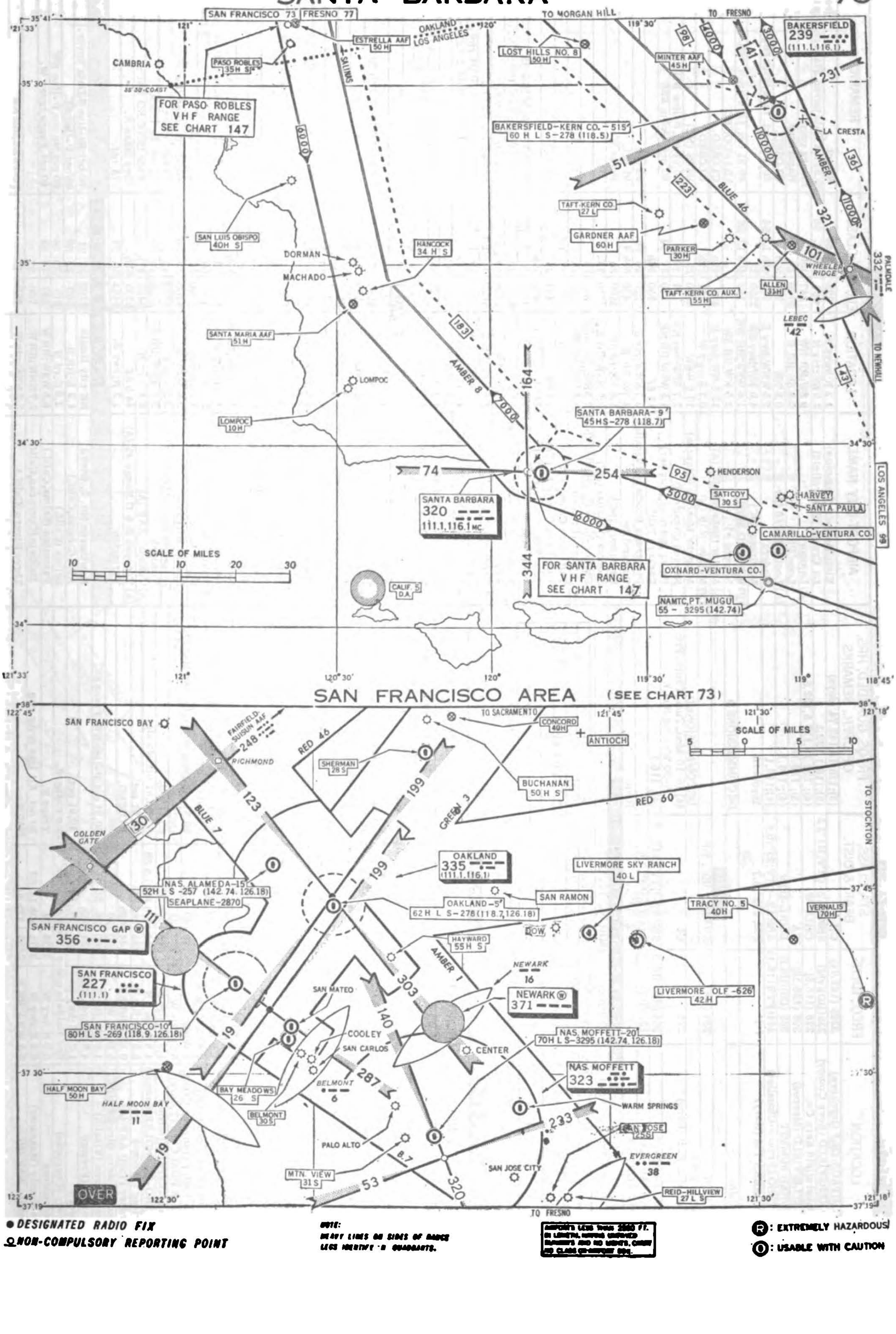
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	70h R2 (L5) S4	91,100 oct.No sto. NATS
Mountain View	2.2 NW,RR W	57	28 S2	80 oct.
Oakland Mun.	5 S, hwy 2 NE	5	62h R3 L6 S6	80,91,100 oct. 2-way rdo req.NATS (Hospital)
(P) Oxnard Flight Strip	See Camarillo-Ventura Co. under "New Airports" - name changed.			
Palo Alto	2 ENE,bay E	5	23 S6	80,91 oct. P-line NW,S
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct. Naval Air Missile
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-line E.CLOSED Test Center
Reid-Hillview (San Jose)	4 E,hwy N	140	27 L3 S6	80,91 oct.No bcn.NW blkd Data unver.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE;bay E	10	80h R2 L5 S6	80,91,100 oct. Rdo rqrd.
San Jose City (San Jose)	2 NW,RR SW	70	40 S6	80,91 oct.P-line SE
(P) San Luis Obispo	2 SSE;hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE,RR E	6	15 S6	80,91 oct.No sto. Hwy W. P-line SE
San Ramon	2.5 SE;Crk W	440	22 S1	80,91 oct. P-line SE
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Twr S.obst lgtd.
(P) Santa Maria	3.5 S,hwy E	258	51h	No lgts after 10 p.m.
Santa Paula	0.8 S;riv S	240	21 L S6	80 oct.Port.strip lgts prior req.P-line
Saticoy	1.5 S;RR NW	80	21 S1	80 oct.Trees NE. ENE,WSW.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE;RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
(P) Tracy,mun	3.5 SSW;hwy NW	190	40h	
Ventura County (Oxnard)	See Oxnard-Ventura Co. under "New Airports" - name changed.			
Vernalis	2.3 S	207	70h	
Warm Springs	2.3 SSE,RR W	100	23 S6	80 oct.

NEW AIRPORTS

Dorman (Santa Maria)	4 N;RR SW	380	23 S1	80 oct.
Cooley (San Carlos)	2.9 NNW;RR W	6	20 S1	80,91 oct. Wire SE.Emerg use.
Machado (Santa Maria)	2.2 N;RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E;rd W	125	25 L4 S6	80,91 oct.No bcn.
Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Buchanan (Concord,Calif.)	1.5 NW;hwy N,S	22	50h L S6	80,91 oct. Port lgts. Lgts prior req.
(P) Camarillo-Ventura Co(Oxnard)	5.5 E;RR S	84	50h	(Calif) (Oxnard)
→ OXNARD-VENTURA CO (Calif)	1 W;hwy E	44	46h L S6	80,91 oct.Port rnwy lgts prior req.
San Francisco Bay (San Rafael,Calif.)	1.5 ESE;RR SW	2	19 S1	80 oct.hill SW
Center(Centerville,Calif.)	2.1 SSE	62	26 S6	80 oct.Wire WNW
Harvey Fld (Santa Paula,Calif.)	1.7 E;riv S	290	26 S1	80 oct.Trees E.W.
→ Dow (Livermore,Calif)	4 WNW;riv S	350	28 S1	80 oct.N blocked,hill NE.

SANTA BARBARA



● DESIGNATED RADIO FIX

NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE "B" QUADRANTS.

AIRSPACE LESS THAN 2500 FT. IS LOCAL, NOTICE CONTROL TOWERS AND NO LIGHTS. CHART AS CLASS G AIRSPACE ONLY.

R: EXTREMELY HAZARDOUS

O: USABLE WITH CAUTION

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARMITAGE OLF (Inyokern)	3295 (142.74)	CN	(3);126.18,142.74 (days)
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C(ILS-W)	(4); 126.18,118.5,122.5
CASTLE FIELD (Merced)	396 (126.18)	CA	(3); 126.18
DONNER SUMMIT	385 (DS)(116.1)	BMRL-DTV	(4); 116.1
FRESNO (Fresno-Chandler)	344(FT)(116.1)	SBRAZ-DTV;23°,0.9	(4);116.1
INYOKERN FM (Navy)	(-)	FM, 255°,6.7	Inyokern.
TRONA			DECOMMISSIONED

NEVADA

FALLON	230 (VA)	SRAWZ; 219°, 2.9	
GABBS (Int.)			DECOMMISSIONED
HUBBARD FLD (Reno)	278	CI	(4) (8-16 Mon.,Tues,Thurs,Fri; 5-20 Wed,Sat,Sun.)
RENO (Hubbard)	254 (RP)(116.1)	SBRAZ-DTV,161°,3.3	(4); 116.1
TONOPAH (AAF)	221 (RY)+	SRAWZ;168°,2.6	
WADSWORTH FM	(-)	FM, 48°, 27	Reno.

NEW RADIO FACILITIES

INYOKERN(Armitage)(Cal.)	323(GIK)	MRLWZ;169°,4.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- ·— ·— (0.62)	OM- —·—(4.71)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct. No sto. Pole line NNW, SSE. Port rnwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W; 75' twr E.
Allen (Taft)	26 ESE	500	31h	
Amargosa (Death Valley Jct.)	0.7 W;hwy E	2037	22 S1	73 oct. Pole line S.
(N) Armitage OLF (Inyokern)(N)	8 ENE	2218	90h R2 L5 S1	91,100 oct. CLOSED
(P) BAKERSFIELD-KERN CO. (Bakersfield)	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Big Pine	3.4 ESE;RR W	4000	43	1500' mts SE; 1000' mts E.
(P) Bishop	2 ENE;riv E	4121	75h	
Boston Land Co.(Westhaven)	1.7 SSW;hwy N			ABANDONED.
Bryant (Bridgeport) (NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N; RR W	310	19 S6	80 oct. Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	185	70h R1 L5 S6	91,100 oct. JP-1.
Coalinga	1.5 N;hwy E	664	56h S4	80,91 oct.Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;hwy S	200	37 S4	80,91 oct. Pwrline NE,SE,SW,NW.
Cornell (Porterville) (NC)	2.4 SSW;RR E			ABANDONED.
Death Valley (Furnace Creek)	1 WNW	-178	40 S2	80,91 oct.Data unver. Closed May 1 to Oct 15.
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
(P) Delano-Kern Co(Delano)	1.5 SE;RR W	315	60h S1	80,91 oct.
FRESNO-CHANDLER(Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct.
(A) Gardner (Taft) AAF (A)	9 ESE;RR SE	444	60h	CLOSED.
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	25 S6	80,91 oct. P-line NW. Trees SE.
(P) Hammer (Fresno)	4.8 NE;rds N,E	331	71h	
Hanford	1.2 SE;hwy W	246	21 S6	80,91 oct.
Harvey (Corcoran)	See Baldwin under "New Airports" - name changed.			
Independence	0.9 N;hwy W	3926	29	Trees S.
(P) Inyo County (Manzanar)	0.5 E;hwy W	3775	50h L5 S2	80 oct. All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW;RR E	2455	72h S4	NATS
Kleinhammer (Lemoore)	1.2 N;hwys S	225	16 S6	80 oct. req.
La Cresta (Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct.Data unver.Flare pots prior
(P) Lemoore	9 SW;RR NW	247	35h	Emerg only.
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED.
Madera	3.5 WNW;hwy E	271	45h L5 S4	80,100 oct. Lgts prior req.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) MERCED MUN.	1.6 WSW;RR NE	152	40h L5 S6	80,91 oct. Lgts prior req.
Merced #1	2.5 NW;RR SW			ABANDONED
(A) Minter (Bakersfield) (A)	13.5 NW;hwy E	425	45h	CLOSED.
(N) Mojave NAS (N)	0.7 E;hwy W	2751	59h	CLOSED.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USFS (NC)
Newton (Stratford)	2.7 SSW;hwy NW	194	22 S6	80,91 oct. P-line NNW.
Paiva Intercity (Parlier)	1.5 WSW;RR NE	330	27 S4	80 oct. Poles ESE
Parker (Taft)	15 SE	550	30h	
Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S6	80 oct.
(P) Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
Sequoia (Visalia) (NC)	8.5 NNW;RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RR adj E	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28	CLOSED.
Taft-Kern County (Taft)	0.6 E;hwy N	375	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N;RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USFS (NC)
Trona	5 NE;rd W	1716	60 L3	Fld sur by mtns.
★ Truckee Int, 16B, SF-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec. - April.
Tulare	2.9 SSE;RR W	300	20 L S6	80,91 oct. No sto.Port rnwy lgts.
Tunnel (Olancha) USFS (NC)	16.5 WNW;riv S	9100	18	Mtns - timber 2000' NE.Closed to Public
(P) VISALIA	5 W; RR W	292	60h	
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S Ctn-cattle on fld.
Wishon (Bass Lake) USFS	1.5 WNW	3380	22 S1	80 oct. Trees NNW.Closed to Public
Woodlake	2.6 ESE;lake NW	450	40 S4	80 oct. No sto.

NEVADA

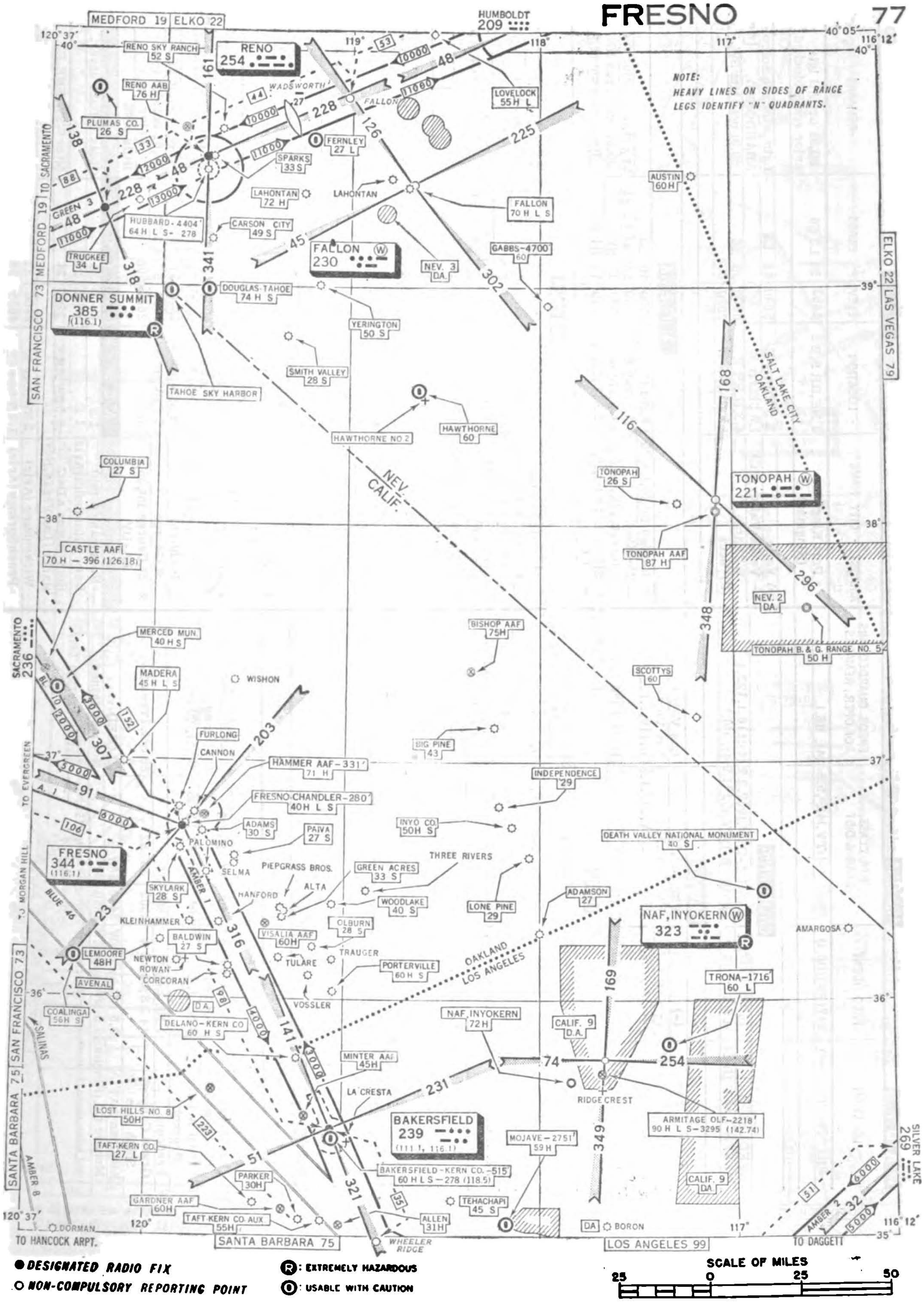
Austin OLF	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct. Mtns N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h L5 S6	80,91 oct.
★ Fernley Int, 22, SF-SL	3.3 E;hwy NW	4156	27 L2	
(N) Fallon	6 SE;hwy S	3931	70h L5 S4	80,91 oct.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60	
(N) Hawthorne (N)	2 N;lake NNW	4200	60 L	Emerg. lgtg on 1/2 hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	64h R2 L5 S4	80,91,100 oct.
Lahontan (Fallon)	1.4 SSW;hwy W	3980	24 S4	80 oct. Poles ENE,WSW.Hwy W
(P) Lahontan Flight Strip(Fernley)	15.5 S;hwy N	4279	72h	
Lovelock, Site 26, SF-SL	9 SSW;RR NW	3906	55h L5	
Manhattan (NC)	6.8 W;hwy W	5850	44	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	Mtns sur fld. CLOSED.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
★ Scottys Int, 22, RV-ND	9 SSE Gold Pt.	4300	60	
Smith Valley	1 ESE;hwy N	4850	28 S6	73, 80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
Tahoe Sky Harbor (Zepher Cove)	3.5 S;lk W	6230	42 S1	80 oct. E blk.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5426	87h	TMP INAC NO FACS.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;hwy S.	4483	50 S1	73 oct.

NEW AIRPORTS

Hawthorne No. 2, (Nev.)	NE city limits	4200	27 S1	80 oct.Hi-line S.Data unver.
Alta (Dinuba,Calif.)	4.3 E;RR S	360	23 S6	80 oct.P-line SE.
Selma (Calif.)	2.6 E;rd N	315	25 S4	80 oct.No sto.P-line NW
Palomino (Selma,Calif.)	6.5 WSW;RR W	267	18 S2	80 oct.Fence,trees W.
Baldwin (Corcoran,Calif)	2.7 NNW;RR W	200	27	
Three Rivers (Calif.)	2.2 NNE;riv W	850	20	Trees SE,hill NW.
Avenal (Calif)	0.3 W;hwy NE	760	32 S2	80 oct.Poles E.
Trauger (Strathmore,Calif)	1.1 NNE;RR E	425	20h 34	80 oct.
Rowan (Stratford,Calif)	1.5 SE	198		Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

FRESNO 77


MEDFORD 19 ELKO 22
HUMBOLDT 209
120°37'
40°
119°
118°
117°
40°05'
116°12'
RENO SKY RANCH 52 S
RENO 254
RENO AAB 76 H
WADSWORTH
PLUMAS CO. 26 S
FERNLEY 27 L
SPARKS 33 S
LOVELOCK 55 H L
FALLON
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
AUSTIN 60 H
LAHONTAN 72 H
LAHONTAN
FALLON 70 H L S
HUBBARD-4404' 64 H L S-278
CARSON CITY 49 S
FALLON 230
GABBS-4700 60
NEV. 3 DA.
TRUCKEE 34 L
DONNER SUMMIT 385 (116.1)
DOUGLAS-TAHOE 74 H S
YERINGTON 50 S
SMITH VALLEY 28 S
TAHOE SKY HARBOR
HAWTHORNE NO 2
HAWTHORNE 60
SAN FRANCISCO 73 MEDFORD 19 TO SACRAMENTO
ELKO 22 LAS VEGAS 79
SALT LAKE CITY OAKLAND
NEV. CALIF.
COLUMBIA 27 S
TONOPAH 26 S
TONOPAH 221
38°
CASTLE AAF 70 H — 396 (126.18)
TONOPAH AAF 87 H
NEV. 2 DA.
TONOPAH B. & G. RANGE NO. 5 50 H
SACRAMENTO 236
MERCED MUN. 40 H S
MADERA 45 H L S
WISHON
BISHOP AAF 75H
SCOTTYS 60
BIG PINE 43
FURLONG
CANNON
HAMMER AAF-331' 71 H
37°
INDEPENDENCE 29
TO EVERGREEN
FRESNO-CHANDLER-280' 40H L S
ADAMS 30 S
PAIVA 27 S
INYO CO. 50H S
DEATH VALLEY NATIONAL MONUMENT 40 S
PALOMINO
FRESNO 344 (116.1)
SELMA
PIEPGRASS BROS.
THREE RIVERS
GREEN ACRES 33 S
SKYLARK 28 S
HANFORD
ALTA
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
TO MORGAN HILL
KLEINHAMMER
VISALIA AAF 60H
OLBURN 28 S
NAF, INYOKERN 323
AMARGOSA
BALDWIN 27 S
LEMOORE 48H
NEWTON
ROWAN
CORCORAN
TRAUGER
TULARE
PORTERVILLE 60 H S
OAKLAND LOS ANGELES
TRONA-1716' 60 L
AVENAL
36°
VOSSLER
COALINGA 56H S
D.A.
NAF, INYOKERN 72 H
CALIF. 9 D.A.
DELANO-KERN CO 60 H S
MINTER AAF 45H
74
254
SALINAS
LA CRESTA
RIDGE CREST
LOST HILLS NO. 8 50H
BAKERSFIELD 239 (111.1, 116.1)
ARMITAGE OLF-2218' 90 H L S-3295 (142.74)
TAFT-KERN CO. 27 L
MOJAVE-2751' 59 H
CALIF. 9 DA
PARKER 30H
BAKERSFIELD-KERN CO.-515' 60 H L S-278 (118.5)
SILVER LAKE 269
GARDNER AAF 60H
TEHACHAPI 45 S
TAFT-KERN CO. AUX 55H
ALLEN 31H
DA
BORON
120°
117°
116°12'
35°
DORMAN
TO HANCOCK ARPT.
SANTA BARBARA 75
WHEELER RIDGE
LOS ANGELES 99
TO DAGGETT
SCALE OF MILES
25 0 25 50
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(D): USABLE WITH CAUTION

LOCATION	FREQ.. IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Love)	347(PN)(116.1)	SBRAZ-DTV,142°,5.5	(4), 116.1
NEEDLES	400(NJ)(vhf)	BMRLZ-DTV,195°,2.2	(4);116.1,122.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-DTV,132°,1.9	(4), 116.1
CRYSTAL FM	(-)	FM: 28°,30	Las Vegas
GOODSPRINGS FM	(- - -)	FM: 203°,33	Las Vegas
LAS VEGAS	206(LQ)(vhf)	SBMRAZ-DTV;34°,1.9	(3);116,1.122.1
Las Vegas AAF	278(126.18,118.7)+	C (ILS)	(4):118.7,126.18,122.5 (8-midnite)
BRYCE CANYON (Int.)	108.3(BV)(vhf)	BVAR-DPTV;35°,0.8	3117.5; 122.1,116.1,129.7 cont. 4495,6210 req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-DTV;20°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-TV;20°,1.0	(4), 116.1
ST.GEORGE	108.7(GX)(vhf)	BVAR-DPV;229°,7.8	3117.5;116.1,129.7, 122.1 cont.(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM: 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)							
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LAS VEGAS AAF	110.3 [illegible]	335	25°	IM	MM ---(0.66)	OM -- (4.2)	
					MKR	OMR	

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116 1, 137.88, 140.58 mcs

AIRPORTS — ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L2	
(P) Clemenceau (Cottonwood)	1.7 SSW,hwy NE RR bed N	3400	27 L1 S6	80 oct.Smokestack 4000' SE.Sur by mtns.
(P) Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
(P) Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14 3S;hwy 2W	6362	53 S2	80 oct.Trees SW.
(A) Kingman AAF(A)	8.5 NE,hwy NW	3446	68h	CLOSED
Mohave Co.(Kingman)	6.5 NW,hwy E	2850	37	Not maintained.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted)

→ NEW OR REVISED DATA.

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Port Kingman (Kingman)	3 NE,RR S,E	3453	54 L3 S6	80,91 oct.All lgts prior req.S blocked.
(P) Valle	2.3 E;hwy E	5990	61 L3	Lgts prior req.Soft when wet.
→ Verde Valley(NC)	1.8 SE,riv W			ABANDONED.
Williams	4.3 N,RR E	6600	39 S6	80,91 oct. Mts SW.
(P) Yucca	1.5 NE,RR W	2030	60h	

CALIFORNIA

* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
→ Needles	5.5 S,hwy E	990	58h R1 L3 S1	91 oct.Serv prior req.
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE
* Silver Lake Int,18, LA-SL	2.5 SSE,RR E	919	40 R1 L3	Rnwy data unverif.

NEVADA

Alamo (Las Vegas)	5.5 SSW,RR SW	2000	50 S4	73,80,91 oct.
BOULDER CITY	1.8 SW,RR W	2463	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3123	67h	CLOSED
(A) [Las Vegas]	7.8 NE,hwy NW	1890	65h R3 L6 S1	100 oct.ARMY TEMP INACT.
* Mormon Mesa Int, 31B,LA-SL	6 ENE Glendale	2068	40 L3	
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	See Hoot Gibson's D4C Ranch under "New Airports" - name changed.			
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas)

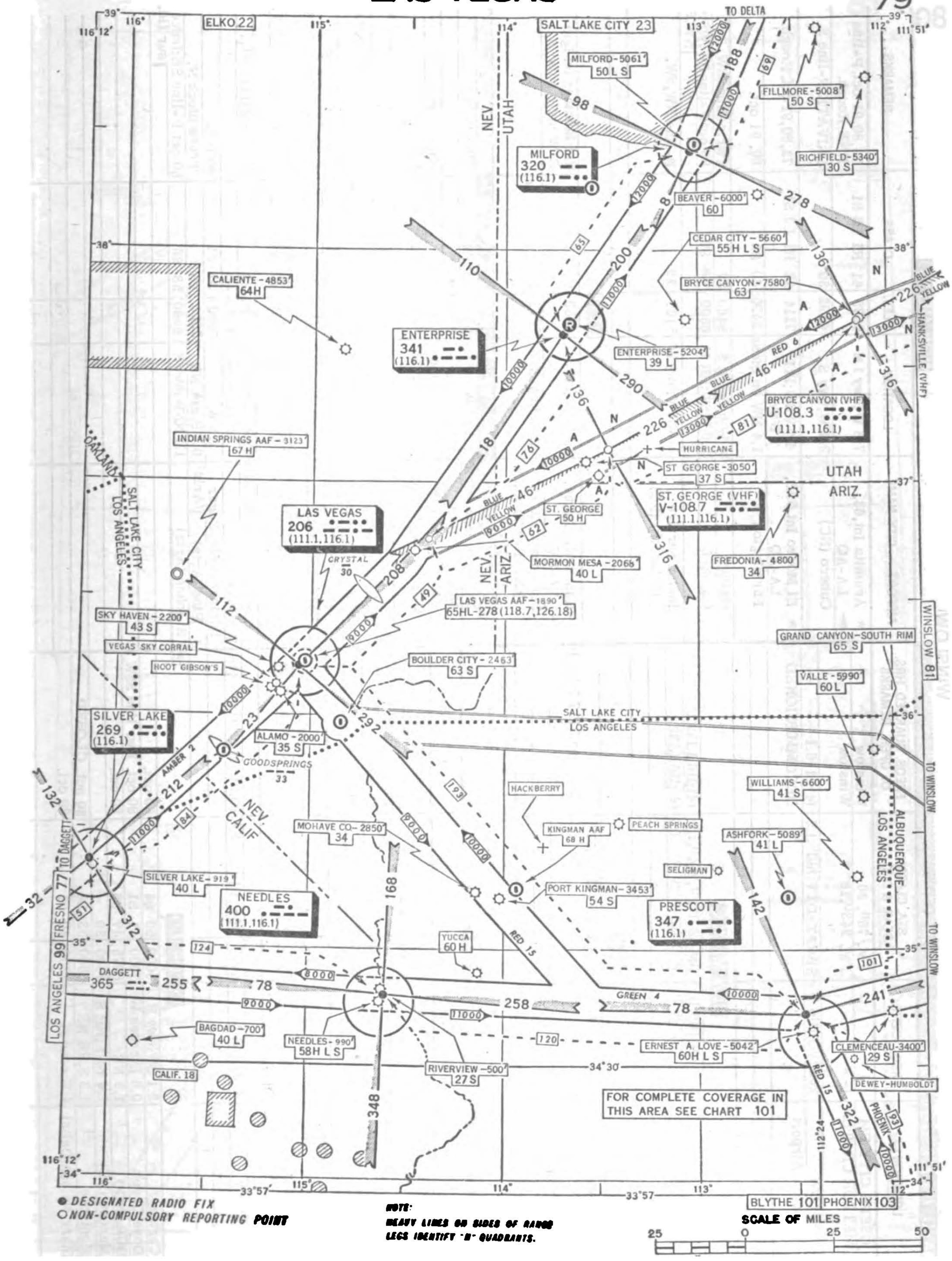
UTAH

Beaver	3.2 SSW,hwy E	6000	63	Hills SE.
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
→ CEDAR CITY	2.3 NW,hwy W	5660	55h L2 S6	80,91 oct.
* Enterprise Int,39	8 NNE,hwy 1 N	5204	39 R1 L3	LA-SL Soft when wet.
Fillmore	2 WSW,hwy SE	5008	50 S2	80 oct. Unsafe lgt acft.
Milford,45,LA-SL	2.3 NNW,hwy E	5061	37 L3 S2	80 oct.
Richfield	1.8 SSW,RR E	5340	31 S6	80 oct. P-line SE,NW
St.George	1.5 SSW,riv SSE	3050	37 L3 S6	80,91 oct.Fld lgts prior req.
* St.George Int,36, LA-DV	6 SE	2887	50h	Hills NNE

NEW AIRPORTS

Hurricane (Utah)	2 S	3400	25	Obsts E.Data unver.
Dewey-Humboldt(Ariz)	1 E	4265	29	
Hoot Gibson's D4C Ranch (Las Vegas,Nev)	5.5 SW;RR E	2200	24	Mtns WSW,ENE,E.
Wickenburg (Ariz)	3 NW;hwy W	2300	32	
Peach Springs (Ariz)	1.2 N;hwy SE	4825	23	P-line ESE,SW.
Seligman (Ariz.)	2 NW;RR S	5300	54	Tree WNW
Hackberry (Ariz)	6.4 NW.		60h	Data unver.

LAS VEGAS



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.

[redacted]

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM	(- - -)	FM, 243°, 18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-DTV;160°,1.5	(4), 116.1
→ Winslow Airport			DECOMMISSIONED
[redacted]			
ACOMITA (Int.)	371(AK)(116.1)	BMLZ-DTV;254°,1.9	(4);116.1,122.1
EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-DTV;78°,0.1	(4);116.1,122.1
[redacted]			
HANKSVILLE Int	109.1(HY)(vhf) (116.1)	BVAR-DPV;314°,2.8	(3) on req,3117.5;116.1, 129.7,122.1

S-Simult. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3112.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1 8NE;riv 1 S	4200	40 S1	80 oct Rough.Not
★ Deep Lake Int,54A, LA-AQ	0.5 W	6070	35 L3	Poles S. maintained. Emerg. only.
Holbrook	2.2 NNE;RR SE	5200	50 S6	80 oct,
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L5	no flood lgts
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S6	80 oct.
→ Saunders, Harry A. (St. Johns)	See St.John under "New Airports - name changed."			
Window Rock(NC) (St.Michaels)	2 ESE	6800	52	NE appch hazardous
(P) WINSLOW	2 SW;RR N	4937	75h R1 L5 S4	80,91 oct.No flood lgts,

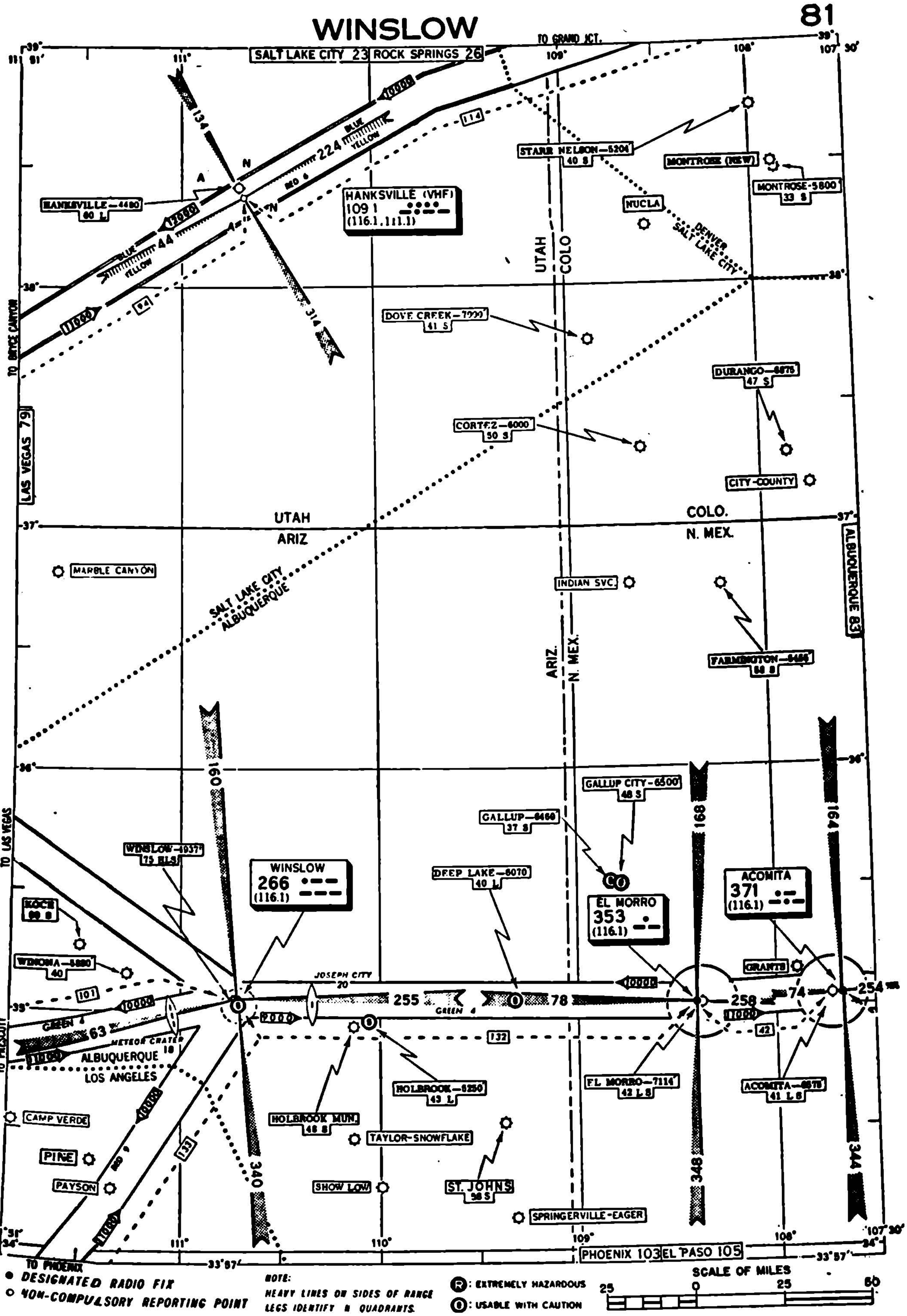
COLORADO

(P) Cortez	3.1 SW;hwy E	6000	50 S4	80 oct.
Dove Creek	0.6 E;creek W	7000	41 S1	80 oct. Pwr line SSW.
(P) DURANGO	1.5 NE	6875	47 S6	80 oct.
Mancos (NC)	1.4 NNE;RR S	7500	30	
Montrose	1.3 S,RR NE	5800	33 S4	80 oct. CLOSED.
(P) Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page 1A) (NC) Not charted. → NEW OR REVISED DATA.

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, → LA-AQ	7.8 W;hwy 1 N	6575	41 R1 L3 S1	73,80,91 oct.P-line NNE.Rough.
Cubero (NC)	2.4 W;hwy S	6192	30	PRIVATE.P-line S.
★ El Morro Int,59B, LA-AQ	4.5 WSW;lk 1 WSW	7114	42 R1 L3 S1	73,80,91 oct. Rough.
Farmington	1.4 NW on mesa	5495	80 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Twr,p-line SSW.
Gallup City	2.6 WSW;RR N	6500	48 S6	80 oct P-line SW,WSW, NW,SE.
Indian Service (Shiprock) (NC)	1.6 SSW;hwy W	5100	29	P-line NW,SW.
[redacted]				
★ Hanksville Int,54, → LA-DV	3.5 NNE;riv S	4480	63 L3	Ngt landings on lgtd E/W strip only.
Monument Valley (Goulding Trading Post) (NC)	0.5 N hwy E	5284	30	
NEW AIRPORTS				
Montrose (new)(Colo)	1.5 NNW;hwy S	5780	58 S2	80,91 oct.
Nucla, (Colo.)	2.3 SSW;riv S	5910	36	
Aztec, (N.M.) (NC)	2.2 NW on mesa	5700	28	Emerg only.
City Co. (Durango, Colo.)	10.6 SSE;riv NW	6660	54 S1	91 oct.
Show Low,(Ariz.)	2 ENE;hwy S	6400	43 S4	80,91 oct.
Marble Canyon (Cameron,Ariz)	66 NNW;riv E	3580	37 S4	80 oct.NE appch hazardous
Camp Verde (Ariz)	1.6 SSE;rd N	3100	42	Emerg. use only.
Payson (Ariz)	2 NNW;cyn N	5077	31	Trees E.Soft when wet.
Taylor-Snowflake (Taylor,Ariz)	2 W;rd N	5640	26 S2	80 oct.Poles SSE,NNW.
Grants Landing Strip (N.M.)	2.3 W;RR 1 NE	6600	28	Loose sand in spots.
Winona (Ariz)	8.9 ESE;hwy N	5880	40	
Springerville-Eager	1.5 W	7000	37 S1	80 oct.
Pine (Ariz) (Ariz)	0.8 S;crk NE	5500	25	Trees block N.
→ St.Johns (Ariz)	1.1 NNW;hwy S	5560	58 S6	80 oct.P-line SE;fence sur fld.

WINSLOW



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

ALBUQUERQUE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS. FREQS. GUARDED. HRS. OF OPERATION
* Adrian Int,92B,LA-AQ	4.2 SSE;RR N	4136	37 L3	(Texas)
Alameda (Albuquerque)	7.4 N;RR E	5400	37	(N.M.)
Alamosa (Colo)	2 S;hwy W	7550	58 L3 S4	80 oct.Fld lgts prior req.
ALBUQUERQUE Range (Kirtland)(N.M.)	230(AB)(vhf)	354°,3.1	SBRAZ-DTV	(3);116.1,122.1
Albuquerque (N.M)	6.3 ESE;hwy N	5429	62	RFC surplus acft fld.
➤AMARILLO Range (Tex) (English)	251(AQ)(vhf)	77°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Amarillo (Tex)	6 ENE; hwy S	3610	52 S6	80,91 oct.P-line sur fld.
* Anton Chico Int,78A,LA-AQ	4.5 SE;hwy E	5281	43 L3	(N.M)
Art Goebel (Belen,N.M.)	3.2 W;RR E	5100	39 S1	80,91 oct.
Belen Air Strip (N.M.)	2.7N; RR E	5000	30 S1	73 oct.
Bobcat (Dimmit,Tex)	1.5 E;RR W	3850	33 S2	73 oct.
Boise City (Okla)	3 N;hwy W	4200	33	
Clayton (N.M.)	1.5 E; RR N	5006	42 S4	73 oct. P-line N,W
Claude (Tex)	1.2 WNW;RR N	3410	32 S1	80 oct,P-line N,SE,S,W,NW.
Clover (Hereford, Tex)	2.2 NNE;hwy S	3800	28 S2	73 oct.P-line N,E,SE.
CLOVIS Army Range (N.M.)	203 (DCV)	34°,6.2	MRAZ	(3)
CLOVIS H Fac. (N.M.)				DECOMMISSIONED
CLOVIS AAF Tower (N.M.)	396 (126.18)		CA	(3);126.18(daylgt hrs,)
(A) Clovis AAF (N.M.)(A)	6.5 W;RR N	4300	100h	TMP INACT.NO FACS.
Clovis (N.M.)	0.8 NW;RR S	4247	26	
Cochran Co.(Morton,Tex)	1.5 E;rd W	3750	30	P-line E,S.
Costilla Co.(Mesita,Colo)	4 E;RR W	7750	75	
Creede (Colo)	2 SSE;hwy NW	8800	50 S2	No fuel.Rough off strips
(P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	60h L2	(N.M.) Data unver
* Cuero Int,81B,LA-AQ(N.M)	5 N	4734	40 L3	Poles W,lgtd.
Cutter-Carr #2 (Albuquerque, N.M.)	3.6 NE;RR W	5120	46	P-line ENE.
➤ Dalhart (Tex)	6.2 SSE;RR E	--		ABANDONED
Dalhart Mun. (Tex)	3.8 SSW;RR N	3989	49h	
(A) Dalhart #1 (Tex) (A)	9.7 WSW;RR E	4096	81h	CLOSED-NOT MAINT.
(A) Dalhart #2 (Tex) (A)	5.5 NE;hwy NW	3974	80h	CLOSED-NOT MAINT
(P) Dumas (Tex)	0.7 S;hwy W	3649	30 L S2	73 oct.Poles N.Flood
Eagle Nest Landing Strip (N.M.)	1 NE	8450	40	11,000'mts NE lgts. Use in emerg.
ENGLISH Tower (Tex)	278 (118.5, 126.18)		AC (ILS)	(4); 126.18,118.5, 122.5
(A) [English](Amarillo,Tex)	9 ENE;RR N	3604	50h L6 S6	80, 91 oct.;100 oct. Army.P-line N,NW.
(P) Ft. Sumner (N.M.)	1.5 NE;RR S	4166	60h S6	80 oct.
Ft. Sumner #5 (N.M.)	16 ENE	4830	60h	
Graham-Bell (Albuqu'que)	4.5 ENE	5400	27 S6	73,91 oct. (N.M.)
Griffin (Walsh, Colo)	0.7 N;RR S	3950	34 S6	80 oct.Poles S,N.
Gruver (Tex)	0.7 WNW;RR E	3200	40 S1	80 oct.P-line W,E,SE,
(P) Guymon (new)(Okla)	3 SW;hwy N	3140	34 S6	80 oct. P-line N, SW. E
Guymon (Okla)	0.7 S;RR W	3130	21	CLOSED
(P) Hale Co.(Plainview,Tex)	1.6 S;hwy E	3370	37 S6	80, 91 oct.
Harnagel (Borger,Tex)	2.5 SSW;RR N	3140	25 S2	80 oct.Use strips.RR E
Hillcrest (Clovis, N.M.)	2.1 E;RR S	4044	36 S4	73 oct.No sto.P-line S.
Holbrook's (Cuervo,N.M.)	0.8 NE;RR S	4810	19	300' mtn SE.P-line SSE.
Ira Benger (Friona,Tex)	1.8 NE;RR S	4000	28 S2	73 oct.
NEW FACILITIES				
Langhorn(Morairty,N.M)	8.3 ENE;hwy N	6150	33	P-line N
Estancia (N.M)	1.5 NNW;RR 0.5 E	6100	36	Ctn-cattle on fld.P-line NE,E.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS. FREQS. GUARDED. HRS. OF OPERATION
Johnson (Kans)	0.5 N;hwy W	3330	28 S6	80 oct.P-line N,NW,NE,
Kerrick (Tex)	1.5 N;RR SW	3850	19 S1	80 oct.P-line SW. S.
KIRTLAND Tower (N.M.)	278 (126.18, 118.7)+		AC (ILS)	(4); 126.18, 118.7, 122.5
(A) [Kirtland](Albuquerque, N.M.) (A)	3.8 SSE;rd N	5330	102h L6 S6	87,91,100 oct.
(A) La Junta AAF (Colo) (A)	4.4 NNE;rd W	4238	80h	CLOSED
La Junta Bridges (Colo)	See Bridges Arpt.under "New Facilities"-name changed			
(P) Lamar,10,PU-WD (Colo)	3.7 WSW;RR N	3673	42 L2 S4	80 oct.canal N
Las Animas (Colo)	1.4 S;hwy 1 N	3900	31 S4	80 oct. P-line W,NW.
LAS VEGAS Range (N.M.)	359(VH)(116.1)	8°, 3.2	SBMRAZ-DTV	(4);116.1,122.1
➤ [Las Vegas] (N.M.)	6 NE;RR 2 W	6857	64h L5 S6	80, 91 oct.Rnwy lgts on req. Use strips only.
Maxwell (N.M.)	1.7 N;hwy E	6000	36	
➤ Monte Vista,Colo.)	3.5 W;RR N	7710	55 S4	80 oct.
Mountainair (N.M.)	1.1 NNE;RR S	6600	28	P-line N Horses on fld.
Muleshoe (Tex)	1 ENE;hwy N	3800	42 S1	73 oct.
Municipal (Spearman,Tex)	0.8 NW;RR SE	3104	30	P-line SW.
OTTO Range (N.M.)	290(OT)(116.1)	74°,0.2	BMRLZ-DTV	(4);116.1,122.1
* Otto Int,74,LA-AQ (N.M.)	5.8 NE Moriarty	6226	41 L3 S1	Ltd 91 oct.
Puckett's com.(Lakin,Kans)	3.5 S;riv N,NW	3050	26 S1	Ltd 80 oct.Trees N.
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	P-line NE,E.(Colo)
Romer (Holly, Colo)	1.5 SSE;riv N	3360	30 S2	Ltd 80 oct.P-line SW,NW,W.
Roy (N.M.)	1.5 N;RR W	5900	26	PRIVATE. Post NE.
SANTA FE H Fac. (N.M.)	206(SF)(116.1)		MHTV	(4);116.1,122.1
[Santa Fe] (new)(N.M.)	9.8 WSW ;hwy E.	6308	63h L5 S1	91 oct.airlines.FEE. Rnwy lgts on req.
Santa Fe (old)(N.M.)	6.3 SW;hwy E	6550	45h S6	80 oct.P-line NE,SE.
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct.No sto. (N.M.)
Springfield,Com.(Colo)	3.8 N;hwy W	4350	34	Poles NW,W,SW,
Stinnett (Tex)	0.6 NNE;RR E		30	Data unver.
Syracuse (Kans)	1 N;riv S	3320	36 S2	80 oct.P-line S,SE.
* Syracuse Int,16,PU-WD	3.7 NNE;hwy W	3410	46 L3	(Kans.)
Taos (N.M.)	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW
Texhoma (Tex)	1 SSW;RR N	3460	30 S2	73,91 oct.P-line N.
Tradewind (Amarillo,Tex)	2.5 S;RR NW	3636	32 S6	80,91 oct, P-line SW.
TRINIDAD Range (Colo)	329(TD)(vhf)	170°,3.0	SBMRAZ-DTV	(4);116.1,122.1
Trinidad (Colo)	10.5 ENE	5756	34 L1 S4	80 oct.Use rnwys only.
TUCUMCARI Range (N.M.)	212(TC)(116.1)	76°,2.2	SBMRAZ-DTV	(4);116.1,122.1 Hwy E.
Tucumcari (N.M.)	7 E;hwy,RR S	4064	51h L5 S6	80,91,100 oct.
(P) Tulia (Tex)	1.5 NNW;RR W	3500	32 S1	80 oct.P-line NE,E,SE
Wagon Mound (N.M.)	0.6 WNW;RR E	6500	21	Fence N;mtns SE,W.
West Mesa (Albuquerque)	3.8 W;hwy S	5100	60 S6	73,80 oct. (N.M.)
West Texas State (Canyon)	3 N;hwy E	3686	42 S6	73 oct.20'poles SE.(Tex)

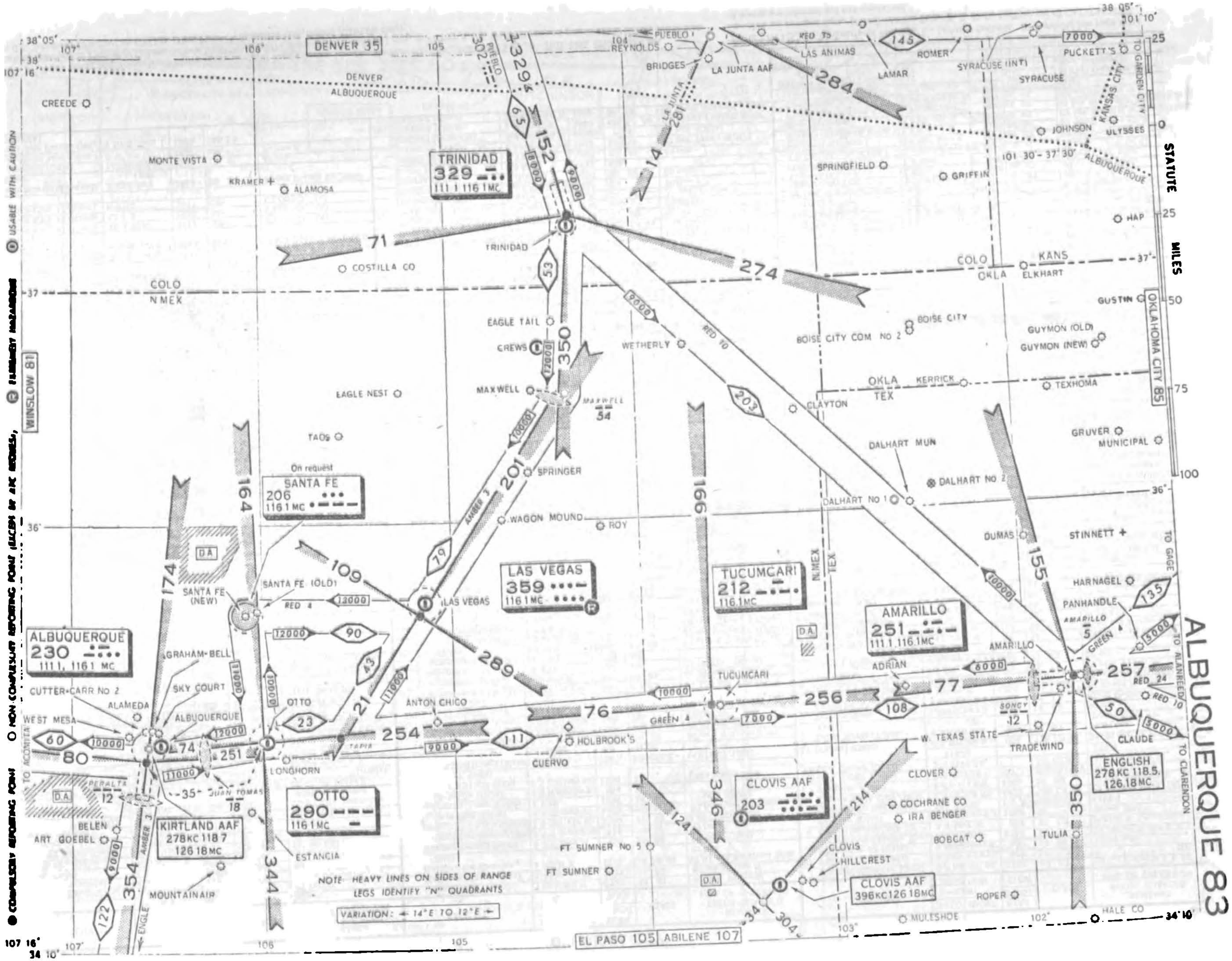
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ENGLISH	110.3	335	209°	IM-	MM- ·—·— (0.62)	OM- ——(5.92)
				MMK-		OMK- 293 ——·—·
KIRTLAND	110.3	335	349°	IM-	MM- ·—·— (0.66)	OM- ——(4.32)
				MMK-		OMK-248 ——·—·

NEW FACILITIES				
Boise City Com.#2(Okla.)	1 N;City S	4200	26 S1	80 oct.
Gustin Fld.(Hooker,Okla.)	3 SW;RR,hwy E	2985	26 S2	80 oct.P-line S.
Panhandle (Tex.)	1.6 SSW;RR N	3450	28 S2	80 oct.125' twr W.
Roper(Hart,Tex.)	5.9 S;lk NE	3600	26 S2	80 oct.P-line N,NW.
Ulysses (Kansas)	1.3 NNW;hwy E	3050	26 S1	80 oct.Poles S.
Kramer Fld (Alamosa,Colo.)	2.5 WNW		52 S6	80 oct.P-lines NE.Data unver.
Elkhart (Kans)	0.8 ESE;RR 0.5 NW	3500	32 S2	80 oct.
Hap(Hugoton,Kans)	1.5 SW;hwy N	3107	26 S2	80 oct.Poles N,NE.Use stps.
Bridges (Lajunta,Colo)	3.3 SSW;hwy,RR W	4250	26 S2	80 oct P-line N

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (S) - 3165, 4495, 6210 kcs. (4) - 3165, 4495, 6210, 8717.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 118.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➤ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


DENVER 35
TRINIDAD 329
SANTA FE 206
ALBUQUERQUE 230
LAS VEGAS 359
OTTO 290
KIRTLAND AAF 278KC 118 7 126 18MC
CLOVIS AAF 203
TUCUMCARI 212
AMARILLO 251
CLOVIS AAF 396KC126 18MC
ENGLISH 278KC 118.5, 126.18MC
EL PASO 105
ABILENE 107
DENVER ALBUQUERQUE
CREEDE
MONTE VISTA
KRAMER
ALAMOSA
COSTILLA CO
COLO N MEX
EAGLE TAIL
CREWS
MAXWELL
EAGLE NEST
TAOS
On request
SPRINGER
WAGON MOUND
ROY
SANTA FE (OLD)
SANTA FE (NEW)
LAS VEGAS
OTTO
ANTON CHICO
LONGHORN
ESTANCIA
MOUNTAINAIR
ALBUQUERQUE
GRAHAM-BELL
SKY COURT
CUTTER-CARR No 2
ALAMEDA
WEST MESA
BELEN
ART GOEBEL
PERALTA
JUAN TOMAS
TO ACOMITA
TRINIDAD
WETHERLY
HOLBROOK'S
CUERVO
TAPIA
GREEN 4
RED 4
RED 10
AMBER 3
ENGLE
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: + 14°E TO 12°E +
FT SUMNER No 5
FT SUMNER
CLOVIS HILLCREST
CLOVER
COCHRANE CO
IRA BENGER
BOBCAT
TULIA
ROPER
MULESHOE
HALE CO
DALHART MUN
DALHART NO 2
DALHART NO 1
DUMAS
STINNETT
HARNAGEL
PANHANDLE
AMARILLO
ADRIAN
TRADEWIND
W. TEXAS STATE
CLAUDE
TO GAGE
TO ALANREED
TO CLARENDON
PUEBLO
REYNOLDS
BRIDGES
LA JUNTA AAF
LA JUNTA
RED TO LAS ANIMAS
LAMAR
ROMER
SYRACUSE (INT)
SYRACUSE
PUCKETT'S
TO GARDEN CITY
KANSAS CITY
JOHNSON
ULYSSES
SPRINGFIELD
GRIFFIN
HAP
COLO OKLA
KANS
ELKHART
GUSTIN
BOISE CITY
BOISE CITY COM NO 2
GUYMON (OLD)
GUYMON (NEW)
OKLA TEX
KERRICK
TEXHOMA
CLAYTON
GRUVER MUNICIPAL
OKLAHOMA CITY 85
ALBUQUERQUE 83
STATUTE MILES
USABLE WITH CAUTION
COMPLETELY KEYING FONI
NON-COMPULSORY KEYING FONI (LICEN BY ARC

OKLAHOMA CITY

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Ada (Okla)	2 N; hwy W.	1008	50h S1	80 oct.
(A) Altus AAF (Okla) (A)	3.4 ENE;hwy S	1368	60h	CLOSED.
Altus Mun. (Okla)	4.2 N;RR W	1426	31 S6	80 oct.P-line SW,W,NW.
Alva (Okla)	1.4 S;RR N	1320	26 S6	80 oct.
Anadarko (Okla)	1.5 SW;RR E	1260	26 S6	80 oct.P-line N,E.
ANTHONY H Fac.(Okla)	382(AY)(116.1)		MHTV	(4):116.1,122.1
(P) Anthony,24,AQ-KC	3 WNW;hwy S	1339	48 L3 S6	73,91 oct. (Okla)
Antlers (Okla)	2.8 S;RR E	640	22 S2	80 oct.
ARDMORE H Fac.(Okla)	400(AT)(116.1)		MHTV	(4); 116.1, 122.1
Ardmore (Okla)	11.2 NNE;riv E	758	73h	CAUTION: Intensive airline training
Ardmore,10,FV-WD	9.2 N;hwy E	875	40h L3 S6	80,91 oct.Poles E. (Okla)
* Arlie Int,9,AQ-FV(Tex)	3.8 SW;hwy S	1770	42 L3	
Ashland (Kans)	1 E;RR S	1940	32 S2	80 oct.Poles S,E.
Atoka (Okla)	1.8 NW;RR S	540	22 S2	73 oct.P-line S.
Bartlesville (Okla)	4 E;rd S	720	34 S6	80 oct.
Bennett (Elk City,Okla)	2 SSE;RR NE	1800	20 S2	80 oct.P-line W Lgt ac-
Blackwell (Okla)	1.7 W;RR N	1000	32 L4 S6	80 oct.P-line ft only.
Boren (Wetumka,Okla)	1.5 NW;RR SE	780	20	
Brown (Tulsa, Okla)	6 SE	735	31 L S6	80,91 oct.Port rnwy lgts. Pole NW.
Buffalo (Okla)	0.6 NW;crk N	1965	14 S1	73 oct. wet.
Caddo Fly Svc.(Ft.Cobb)	6 SE;hwy S	1250	21 S2	80 oct. (Okla)Ctn when
Cameron College	2.5 W;RR N	1108	22 S6	80 oct.(Lawton,Okla)
* Cassoday Int,34,AQ-KC (Kans)	1 SSE;hwy W	1480	32 L3	Twrs S.
CHANUTE Range (Kans)	284(CZ)(vhf)	304°, 2.5	SBRAZ-DTV	(4):116.1.122.1
Chanute (Kans)	2 WSW;lk S	980	22h L4 S6	80,91 oct.
CLARENDON Range (Tex)	233 (CP)	199°, 2	MRLW	
(P) Clarendon,4,AQ-FV	3.8 W;RR NE	2869	40 L3 S6	80,91 oct. (Tex)
Childress (Tex)	3.2 ESE;RR NE	1930	30 S1	80 oct. P-line sur fld
(A) Childress AAF (Tex)(A)	5.2 W;RR N	1952	60h	CLOSED.
Clinton (Okla)	17 SW;hwy E	1932	65h	
Coffeyville,Mun.#1	3.5 N	743	59h S2	80 oct. (Kans)
Coffeyville,Mun.#2	2 NW;riv E	880	26h L3 S6	80 oct.Poles NW;hi-line SW.
Commercial(Okmulgee, Okla)	3.4 E;RR W	682	73 S2	80 oct. Poles SW
Commercial(Tulsa)	5.4 SSE;hwy N	700	29 S6	73,80,91 oct.Trees SW
Commercial(Quanah)	1.8 S;hwy E,N	1568	21 S2	Ltd 80 oct.(Tex)(Okla)
Community (Ada,Okla)	6.8 WNW	1000	24 S2	80 oct. hwy N
Cordell (Okla)	1.3 NW;RR E	1550	20 S2	80 oct.
(P) Cushing (Okla)	2 S;RR E	913	52h L5 S6	73,80 oct
* Dill Int,14,AQ-LS(Okla)	0.5 NW;hwy N	1676	26 L3	P-line N,E.
DODGE CITY H Fac(Kans)	362(OD)(116.1)		MHTV	(4):116.1,122.1
Dodge City (Kans)	3.5 ENE;RR SE	2594	47h L3 S6	80,91 oct.Fld lgts prior
(A) Dodge City AAF (Kans)	6 NW;RR S	2621	65h	CLOSED. (A) req.
(A) Dodge City #4 (Kans)(A)	17.4 NNE	2465	60h	CLOSED.
Dukes (Carnegie,Okla)	1 NNW;riv S	1250	24 S2	80 oct.P-line S.
Edgewood (Coffeyville, Kans)	2.5 WNW;RR E	745	75 S2	80 oct. N,E,S,W blkd
(A) Enid AAF (Okla)(A)	4 SSW;RR E	1260	56h	TMP INACT.NO FACS
Eureka (Kans)	2.7 E;hwy S	1100	26 S1	80 oct.Hi-line S.
Ferguson(Coffeyville)	5 E;RR NW			(Kans) ABANDONED
Frederick (Okla)	2 S SSE;RR N	1233	60h L6 S6	80,91 oct No flood lgts.
Fredonia Mun. (Kans)	3 NNE;RR E	880	26 S1	80 oct.
GAGE Range (Okla)	266(VM)(vhf)	224°, 2.1	SBRAZ-DTV	(4):116.1.122.1
(P) Gage (Okla)	1.8 SW;riv N	2223	55h L5	
GARDEN CITY Range (Mun.) (Kans)	257(GK)(vhf)	168°, 3.7	SBRAZ-DTV	(4);116.1.122.1
Garden City Mun.(Kans)	3.3 E;riv S	2841	45 L3 S6	73,80 oct.Fld lgts on req.
(A) Garden City AAF (Kans) (A)	9 ESE;riv S	2894	65h	TMP INACT.NO FACS.
(A) Garden City #1 (Kans)	19.5 ESE	2814	30h	CLOSED. (A)
(A) Garden City #2 (Kans)	13.4 E	2856	30h	CLOSED. (A)
(A) Garden City #3 (Kans)	6 ENE	2917	30h	CLOSED. (A)
Glenn Martin (Liberal) Kans)	2 ESE;hwy SW	2853	35 S2	80 oct.P-line SE,SW
Grandfield (Okla)	1.2 SE;RR N	1100	13 S2	80 oct.
(P) Grandfield Mun (Okla.)	3 W;RR NE	1128	45h	P-line S.
(A) Great Salt Plains (Jet, Okla) (A)	6 NNE;dam 1 N	1200	55h L5	
Greensburg (Kans)	1 ESE;RR N	2230	26 S1	80 oct. Poles N.
Haddock (Erick,Okla)	1.4 SW;RR N	2017	34 S2	80 oct.P-line N
Halliburton (Duncan, Okla)	1 S;RR E	1125	35 L6 S4	80,91 oct.No flood lgts or bcn.
Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S6	80 oct. (Okla)
Hatbox (Muskogee,Okla)	2.7 W;fork RRs	615	38h S6	80 oct.
Hemphill Co.(Canadian	1.5 SW;riv N	2300	27 S2	Ltd 73 oct.(Tex)
(P) Hobart Mun.(Okla)	3.8 SE;hwy W	1583	54h L S6	80 oct.Port lgts on req.
Hohmann (Lone Wolfe)	1 ESE	1576	26 S2	80 oct. (Okla)
Holdenville (Okla)	1.2 WNW;hwy S	864	33	
Hunter's Flight Strip (Hobart, Okla)	0.5 SW;hwy adj	1530	22	Data unverified.
HUTCHINSON Range (Kans)	227(HN) (116.1)	350°, 3.1	SBMRLZ-DTV	(4);116.1.122.1
Hutchinson, com.(Kans)	5.5 W;hwy N	1605	20 S2	80 oct. P-lines N,NE.
(P) Hutchinson,mun.	4 ENE;hwy S	1542	70h L5 S6	80,91 oct. (Kans)
(N) Hutchinson NAS (Kans)	8.9 S;RR NNE	1582	70h	CLOSED (N)
INDEPENDENCE AAF Tower (Kans)	272 (126.18)		CA	(3); 126.18 (7-19)
(A) Independence AAF (A)	5.5 SW;hwy W	820	55h S1	91,100 oct. (Kans)
Independence (Kans)	5 N;hwy W	847	22 S4	80,91 oct.P-line W.
(A) Independence #3 (A)	24 ESE	920	42h	CLOSED. (Kans)
Independence #9 (Kans)	12.5 NE	870	40h	
(P) Iola (Kans)	3.2 SSE	1020	48 S6	80,91 oct.P-line NW,N.
Jensen (So.Coffeyville)	0.5 W;RR S,E	735	40 S6	80 oct.P-line SE.(Okla)
Jimmie Ray (Cherokee)	1.5 E;RR SW	1200	26 S1	80 oct. Trees S.(Okla)
Kell-Air (Thomas,Okla)	1.2 SW;RR N	1730	24 S2	80 oct.
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIVATE
Kingman (Kans)	1.5 NNW	1600	26 S1	73 oct.Trees S,SW, RR
Kiowa Flying Service (Kiowa, Kans)	2.5 WNW;RR S	1375	19 S1	80 oct. P-line SW. NNW,SSW.
Kittenbrink (Jefferson)	2 E;RR W	1100	23 S2	80 oct. Trees N.(Okla)
Lawton (Okla)	1.5 S;RR E	1145	26 L4 S6	80 oct.Fld lgts prior req.
(A) Liberal AAF (Kans)(A)	1.5 WNW	2888	70h	CLOSED.
Long (Pryor,Okla)	2 NNE;RR W	650	20 S6	80 oct.P-line SW.
Meade (Kans)	3 ESE;hwy N	2532	26 S2	80 oct.Use strips.P-line N
McAlester (Okla)	2 SSE;RR W	750	25 S4	80 oct.
Mauks (Blackwell,Okla)	2.7 S;hwy W	987	26 S4	80 oct.P-line E
Medicine Lodge (Kans)	2.1 SE;RR S	1520	33 S2	80 oct.
(A) Muskogee AAF (Okla)	See Davis under "New Facilities" - name changed.			
North (Enid, Okla)	3.8 N;RR E	1265	26 S6	80, 91 oct.Shrubs N,NE.
Nowata (Okla)	1.6 NNE;RR W	600	26 S6	80 oct.
OKLAHOMA CITY Range (Okla)	350 (OL) (116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Okmulgee (Okla)	3 NNE;hwy W	715	43h L5 S6	80 oct. Ctc lgts prior
Olustee (Altus,Okla)	10 SE;riv E	1338	45h	CLOSED req.
Pampa (Tex)	1.2 NNE;RR S	3234	50 L3 S6	80,91 oct.SE blkd.P-line E,S,W
(A) Pampa AAF (Tex)(A)	12.3 E	3124	65h	CLOSED.
* Pampa Int,4,AQ-KC(Tex)	1.9 NNE;RR S	3197	50 L3	P-line E,S,W.Twr SW.
Parsons (Kans)	2 NW;RR S	936	22 S2	80 oct.Use strips only.
Pawhuska (Okla)	3.8 W;RR E	1000	27 L S1	80 oct.Port rnwy lgts P-line NE.
(A) Perry (Okla) (A)	6.6 N;hwy W	1008	52h	CLOSED.
(P) Perryton (Tex)	3 ENE;RR NW	2942	80 S4	80 oct.No sto.Allway fld.P-line SE,windmills
PHILLIPS Tower (Okla)	388		CI	3105 (on req) SW
Phillips (Bartlesville)	1.7 WNW	750	35h L4 S2	80,91 oct.(Okla) Hwy S.
Plains (Kans)	1.3 NNE;RR S	2772	30 S2	80 oct.P-line NE,SE,S.
PONCA CITY H Fac (Okla)	368(PC)(116.1)		MHTV	(4):116.1.122.1
(P) [Ponca City] (Okla)	2.3 NNW;RR S, E	1014	36h L4 S6	73,87 oct.Antenna bet twr & hangar,lgtd.
Ponder (Mangum,Okla)	1.6 N;hwy S	1585	29 L S2	80 oct.Bndry lgts prior
POST Tower (Ft.Sill,Okla)	201 (126.18)		CA	(3); 126.18 (8-18) req.
(A) Post (Ft.Sill,Okla)(A)	3 N	1170	50h L5 S4	Ltd 100 oct.
Pratt Mun. (Kans)	2.5 ENE;lk S	1916	25 S6	80 oct.Use strips only
Pratt AAF (Kans) (A)	4 N;hwy E	1960	80h	CLOSED.
Roosevelt (Okla)	0.5 NW;rd N	1400	24 S2	73 oct. P-line N.
Sapulpa (Okla)	1.5 ENE;RR W	730	26	P-line S.
Satanta (Kans)	1 N;RR S	3050	26 S2	80 oct.
Sayre Mun. (Okla)	8.5 SSW	1937	50h	
Archer (Sayre,Okla.)	2.3 N;hwy W	1990	26 S6	80 oct.
Seminole (Okla)	3.4 NNW;hwy E	1012	35 S6	80 oct.Trees W,NW
Sentinel Memorial	0.8 SSW;RR W	1600	73 S1	80 oct. (Okla)
(P) Shawnee (Okla)	2 NW;RR E	1080	42h L5 S6	80,91 oct.Fld lgts prior
Stafford (Kans)	2.6 WSW;RR N	1889	26 S6	80,91 oct.Poles N,S req.
Stark (Coldwater,Kans)	0.7 NE;RR SE	2100	29 S2	80 oct.Poles N,S,E,SE NE.
(P) Stillwater #1 (Okla)	3.2 NNW;hwy E	985	50h L3	
Stillwater #2 (Okla)	5.6 SSE;hwy W	980	29 S6	73,80 oct.
Strickland(Hazelton,Kans)	2.6 E;RR S	1310	26 S6	73,80 oct.Poles E,N.
* Stroud Int,29A,AQ-LS	3 N;hwy W	883	27 L3	P-line W lgtd.(Okla).
Sulphur (Okla)	1.5 NW;hwy S,E	1060	28	Trees NW.
TINKER Army Rng (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
(A) Tinker (Okla.City,Okla)	8.5 SE;RR NE	1272	78h L5 S6	73,100 oct JP-1 (A)
Tonkawa (Okla)	1.6 S;riv NW	1000	25 S2	80 oct.P-line S,E.
TULSA Range (Okla)	245(TS)(116.1)	225°,1.0	SBRAZ-DTV	(3); 116.1, 122.1
TULSA Tower (Okla)	278 (126.18, 118.5)		AC (ILS)	(4); 118.5,126.18, 122.5
(A) [Tulsa] (Okla)	6.2 NE;RR S	674	71h L6 S6	73-91 oct.73,100 oct.
Tulsa North (Tulsa, Okla)	4.5 NNW;RR E	700	25 S2	80,87 oct. Army Poles S,SW,SE.
Turkey (Tex)	2.7 SSW;hwy E	2350	18 S2	80 oct.
Twitty Int,8A,AQ-LS	1 SE;hwy 0.5 W	2225	38 L3	(Tex) P-line W
Vernon 15,AQ-FV(Tex)	5 N;hwy E	1250	43h L5 S6	73,80 oct.No sto.
* Vernon Int,15,AQ-FV	8.8 NNW;hwy E			(Tex) ABANDONED
Vici (Okla)	0.7 SW	2265	24 S1	80 oct. Trees N.
Victory (Clinton,Okla)	2 S;hwy W	1540	27 S6	80 oct.
Walker (Ada,Okla)	5.4 S;rd E,N	870	32	PRIV.Trees sur fld.
Walker (Altus,Okla)	1.6 W;RR E	1400	26 S4	80,91 oct.P-line N.
Walters (Sedan,Kans)	8 N;hwy W	1000	26	PRIVATE.
Walters (Okla)	1.2 SW;RR E	1005	26 S6	80 oct.
Watonga (Okla)	1.2 NW;hwy S	1460	26 S6	80 oct.
Waynoka-Kelsey (Waynoka, Okla)	3.4 NNE;RR SE	1500	21 S2	80 oct.P-line N,NE.
Weatherford (Okla)	2.7 ENE;hwy S	1550	27 S6	80 oct.P-line N.
Wellington (Tex)	1 SE;hwy W	2100	17 S2	80 oct. P-line S,E
Wewoka,com.(Okla)	1.8 W;lk N	905	23 S6	73,80 oct.P-line NNE.
(P) Wewoka,mun.(Okla)	4.7 NE;hwy W	790	30	Emerg only.
White Bros.(Lamont)	2 WSW;RR E	1000	24 S2	80 oct. (Okla)
WICHITA Range (Kans)	332(WD)(vhf)	167,1.0	SBRAZ-DTV	(3);116.1, 122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4): 122.5,126.18, 118.7
(NG) [Wichita](Kans)	5.3 SE;hwy W	1372	75h L6 S6	80,91 oct.Army100 oct
Will Rogers,36,AQ-LS	1.5 NE;RR W	649	29 L3 S6	73 oct (Claremore,
WILL ROGERS Tower (Okla City,Okla)	272 (118.7)		AC (ILS)	(4):118.7,126.18,(Okla) 122.5 (Okla.
[Will Rogers](Okla.City)	7.5 SW;hwy E	1283	57h L6 S6	80,91 oct.P-line N,E,W.
(P) Woodring (Enid,Okla)	5 ESE;RR N	1159	65h L5 S6	80,91 oct.
(P) Woodward (new)(Okla)	7.5 W;hwy S,E	2187	55h L5 S2	80,91 oct.Lgts on req.
Woodward (mun)(Okla)	1.5 SE;hwy W	1918	21 L1 S6	80,91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
TULSA	110.3	335	354°	IM-	MM- (0.65) OM- (4.82)
				MMK-	OMK-263
WICHITA	110.3	335	3°	IM-	MM- (0.69) OM- (5.37)
				MMK 201	OMK- 317
WILL ROGERS	109.9	333.8	350°	IM-	MM- (0.66) OM- (4.6)
				MMK-	OMK-

NEW FACILITIES

CHILDRESS Range (Tex)	109.1 (GM)		VARW	
ROOSEVELT Range (Okla)	108.7 (RQ)		VARW	
Arnett (Okla)	Adj NNE	2450	23 S1	73 oct.
Beaver (Okla)	1 SSW;hwy W	2500	30 S1	80 oct.
Bristow (Okla)	1.3 WNW;lk E	725	22 S6	80 oct.Trees NE,SW.
Fallin (Vinita,Okla)	1.5 NW;RR S	780	26 S2	80 oct.P-line E,N,NE.
[Davis](Healdton,Okla.)	1.3 E;crk W	800	20 S2	80 oct. S,SW.
Hartshorne (Okla)	1 NNW	700	13	Emerg use only.
Hawk's(Henryetta,Okla)	1 N;rd N,E	862	18 S6	80 oct.
Jolly Aero (Davis,Okla)	3 S;hwy NNW	800	17	Pwrline NNW.Emerg only
Kingfish(Hinton,Okla)	3.7 N;hwy W	1545	18	
Okemah (Okla)	1 E;city W	870	33 S6	80 oct P-line N,NE.
Seiling-Cook's(Seiling)	Adj E	1700	20	P-line N;trees S.(Okla)
Shamrock (Tex)	1.3 SSE;hwy N	2395	23 S1	80 oct.P-line S.
Augusta (Kans.)	1 NNE	1260	26 S2	80,91 oct.S blkd.
Memphis (Tex.)	1.4 NNE	2100	38 S2	80 oct.E,SE blkd.
Elk Co. (Moline,Kans.)	2.3 ENE;hwys SW	1050	25 S	30 oct.
Protection (Kans.)	0.6 SSE;hwy S	1830	24 S2	80 oct.Pole W,Use strips only
Hi-way (Kingman,Kans.)	2.3 W;hwy S	1580	24 S2	80 oct.P-lines SE,S.
Bucklin (Kans.)	0.6 SW;RR N	2400	26 S2	80 oct.Poles N,W.Use strips.
Firebaugh (St.John,Kans)	1.7 NNE;rd E	1885	26 S2	80 oct.Poles N,E.Derrick S.
Cedar Vale (Kans.)	1.5 WNW;hwy S	1000	26 S1	80 oct.Poles N,W.
Davis (Muskogee,Okla)	5.2 S;RR	670	18h	still s
BROWN Tower (Tulsa, Okla.)	317		CI	3105 (12-sunset.Sats, Suns,holidays)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

OKLAHOMA CITY 85

OMAHA 37 · 258 · 80 · 83 · 162 · 28 · 260 · 226 · 95 · 269 · 181 · 348 · 161 · 8 · 64 · 42 · 27 · 25 · 134 · 46 · 101 · 224 · 347 · 118 · 356 · 67 · 232 · 180 · 95 · 65 · 91 · 32 · 19 · 135 · 39 · 199 · 314 · 116 · 45 · 94 · 287 · 231 · 247 · 57 · 105 · 257 · 75 · 70 · 22 · 113 · 19 · 283 · 156 · 106 · 204 · 93 · 91 · 335 · 180 · 5 · 258 · 89

HUTCHINSON COM · HUTCHINSON MUN. · NAS. HUTCHINSON · NEWTON · CASSODAY · EUREKA · CHANUTE · IOLA · EL DORADO · LEBO · TOWANDA · KECHI · OTTAWA · FREDONIA · INDEPENDENCE No. 9 · ELK CO · INDEPENDENCE · PARSONS · COFFEYVILLE No. 1 · COFFEYVILLE No. 2 · INDEPENDENCE No. 3 · EDGEWOOD · JENSEN · CEDAR VALE · WALTERS · OXFORD · VIOLA · PORTLAND · ANTHONY · STRICKLAND · KIOWA · MEDICINE LODGE · ASHLAND · STARK · PROTECTION · PRATT AAF · PRATT MUN · HI-WAY · KINGMAN · GREENSBURG · BUCKLIN · STAFFORD · FIREBAUGH · RED 35 · DODGE CITY · DODGE CITY AAF · DODGE CITY No. 4 · GARDEN CITY · GARDEN CITY AAF · GARDEN CITY No. 1 · GARDEN CITY No. 2 · GARDEN CITY No. 3 · SATANTA · PLAINS · MEADE · GLENN MARTIN · LIBERAL AAF · BEAVER · BUFFALO · KANS · OKLA. · KANSAS CITY · ALBUQUERQUE · JIMMIE RAY · ALVA · WAYNOKA-KELSEY · GREAT SALT PLAINS AAF · KITTENBRINK · WHITE BROS · BLACKWELL · MAUKS · PONCA CITY · TONKAWA · PERRY · PAWHUSKA · NOWATA · FALLIN · BARTLESVILLE · SKIATOOK · CLAREMORE · NEOSHO · LONG · WILL ROGERS · VERDIGRIS RIVER · TULSA NORTH · RED FORK · STILLWATER NO 1 · STILLWATER No. 2 · CUSHING · STROUD · BRISTOW · SAPULPA · OKMULGEE · HARVEY YOUNG · COMMERCIAL · HATBOX MUSKOGEE · HAWK'S · OKEMAH · SHAWNEE · SEMINOLE · WEWOKA MUN · WEWOKA COM. · HOLDENVILLE · BOREN · DAVIS · ST LOUIS · FORT WORTH · MCALESTER · HARTSHORNE · COMMUNITY · ADA · WALKER · JOLLY AERO · SULPHUR · ATOKA · ARDMORE · ARDMORE MUN · ANTLERS · TULSA NORTH · BROWN · COMMERCIAL · TO LITTLE ROCK · TO NEOSHO · TO LA JUNTA · TO ALBUQUERQUE · AMARILLO · GREEN · ALBUQUERQUE FORT WORTH · WICHITA FALLS · MARIETTA · ABILENE 107 · FT. WORTH 109 · OKLAHOMA CITY · WOODWARD AAF · WOODWARD MUN. · GAGE · PERRYTON · OKLA. · TEX. · ENID AAF · WOODRING · WATONGA · KELL AIR · WEATHERFORD · VICTORY · KINGFISH · CLINTON · CORDELL · BESSIE · ARCHER · BENNETT · TWITTY · PAMPA · PAMPA AAF · PAMPA INT · AMARILLO · AMARILLO AAF · SHAMROCK · SAYRE · DILL · SENTINEL · HADDOCK · HUNTER'S · HOBART · HOHMANN · PONDER · WELLINGTON · ARLIE · ROOSEVELT · CLARENDON · MEMPHIS · CHILDRESS AAF · CHILDRESS · TURKEY · COMMERCIAL · VERNON INT. · VERNON · ALTUS MUN · ALTUS AAF · WALKER · OLUSTEE · FREDERICK AAF · GRANDFIELD MUN. · GRANDFIELD · WALTERS · LAWTON · FORT SILL · CAMERON COLLEGE · D.A. · HALLIBURTON · DAVIS · ARNETT · VICI · SEILING COOK'S · REMPHILL CO. · ANADARKO · CADDO FLY. SVC. · DUKES · WASHINGTON · 25 · 5 · 8 · 28 · 19 · 14 · 10 · 11 · 18 · 27 · 25 · 5 · 8 · 24 · 10 · 6 · 11 · 239 · 22 · 34 · 4 · 97° · 96° · 95°04' · 34°10' · 38°05' · 37° · 36° · 101°10' · 101° · 100°

DODGE CITY 362 116.1 MC. On request

GARDEN CITY 257 111.1, 116.1 MC.

GAGE 266 111.1, 116.1 MC.

HUTCHINSON 227 116.1 MC

ANTHONY 382 116.1 MC On request

CLARENDON (W) 233

WILL ROGERS 272 KC. 118.7 MC.

FOR ROOSEVELT VHF RANGE SEE CHART 146

FOR CHILDRESS VHF RANGE SEE CHART 146

POST AAF 201 KC. 126.18 MC.

OKLAHOMA CITY 350 116.1 MC.

WICHITA 278 KC. 118.7. 126.18 MC.

WICHITA 332 111.1, 116.1 MC.

PONCA CITY 368 116.1 MC.

INDEPENDENCE AAF 272 KC. 126.18 MC.

PHILLIPS 278 KC.

CHANUTE 284 111.1, 116.1 MC.

TULSA 278 KC. 118.5. 126.18 MC.

TULSA 245 116.1 MC.

TINKER AAF 221

ARDMORE 400 116.1 MC On request

FOR DETAILS IN THE OKLAHOMA CITY AND WICHITA AREAS SEE CHART 87

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

VARIATION: 12°E TO 9°E

STATUTE MILES 0 25 25 50

USABLE WITH CAUTION · EXTREMELY HAZARDOUS (BY ATC REQUEST) · NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) · COMPULSORY REPORTING POINT

OKLAHOMA CITY - WICHITA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Arkansas City (Kans)	3.5 S;RR W	1067	28 S6	73,91 oct.
Arther Arfld (Wichita, Kans)	3 SW;RR N	1290	26 L S6	80,91 oct.P-line N,S,W. Port rnwy lgts.
Baird (Arkansas City)	4 W;hwy S	1100	17 S2	73 oct.P-line S,SW.(Kans)
Beech (Wichita, Kans)	6 E;hwy N	1378	46h L	Factory use only.obst lgts.
Bomhoff (Calumet,Okla)	4.1 SSE	1448	25 S6	73,80 oct. Hwy S
Caldwell (Kans)	1.2 E;RR W	1140	21 S2	73 oct. Poles E,S.
Cannon Ball (Wichita,Kans)	6.5 WSW; hwy N	1300	24 S6	80 oct.No sto.P-line N.
Central (Edmond,Okla)	2.6 NNE	1211	24	RRW
Cessna (Wichita,Kans)	4.5 SE	1384	53 S2	80 oct.Wichita Arpt 1 N.
(P) Chickasha (Okla)	4 NNW;riv S	1140	35h L S6	80,91 oct.Flood lgts.
Cimmarron (Yukon,Okla)	4 WSW;hwy N	1350	20h	Emerg only.P-line NE,E.
→ Culver (Wichita, Kans)	4 N	1320	15h	Reported ABANDONED.
◆ Derby (Kans)	1 NNE;RR W			ABANDONED
El Dorado (Kans)	3.6 SE;hwy W	1400	25 S6	80 oct.Soft,wet weather.
(P) El Reno (Okla)	1.5 SW;RR N	1400	26 L S6	80,91 oct.Port rnwy lgts.
Frasier (El Dorado,Kans)	2.5 S;riv W	1300	25 S6	80 oct.Poles E,NE.
Garthoeffner Co. Club (Oklahoma City, Okla)	See Country Club under "New Facilities" - name changed.			
Guthrie Mun	2 SSE;hwy W	1052	26 L3 S6	80 oct. (Okla)
→ Hilltop (Augusta, Kans)	2 NE;RR SE			ABANDONED.
Ken-Mar (Wichita,Kans)	3 ENE;RR N	1375	23 L S6	80,91 oct. No sto.Port rnwy lgts.Obsts.
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIVATE
Lake View (Yukon, Okla)	2.7 E;RR N	1275	24 S1	80 oct.Poles N,S.
Mariash (Chickasha,Okla)	2 SSE;RR E	1275	30 S2	80 oct. Data unver.
Marlow (Okla)	1.6 N;RR E	1150	22 S6	80 oct.P-line N.
Max Westheimer (Norman, Okla)	2.7 NW;RR E	1178	50h S6	80, 91 oct.
(P) Mustang (El Reno,Okla)	5.3 SSW	1400	52 S6	80,91 oct.
Newkirk Skypark (Okla)	2.5 SE	1140	29	P-line N,NW. RR SW.
(N) Newton (Kans.)	4 ENE;rd S	1527	70h S6	80,91 oct.P-line W,N.
Nuckols (Okla.City, Okla)	7.2 SSW; hwy W	1265	30 S6	80 oct.Poles N,W,SW.
OKLAHOMA CITY Range (Will Rogers) (Okla)	350(OL)(116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Pauls Valley (Okla)	2.1 S;RR E	967	35H L1 S4	80,91 oct.
Purcell-Lexington (Lexington, Okla)	See Lexington-Purcell under "New Facilities" - name changed.			
Rawdon (Wichita, Kans)	6.7 E;hwy S	1396	26 L S6	80,91 oct.Port rnwy lgts.
Riverside (Wichita, Kans)	4 NNW;riv E	1310	26	Use in emerg only.
(A) South (Winfield, Kans)(A)	14 SSW	1230	40h	CLOSED.
(P) Strother (Winfield, Kans)	See Winfield-Arkansas City under "New Facilities" - name chg.			
TINKER Army Range (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
TINKER Tower (Okla)	396 (126.18)+		CA	(3); 126.18
(A) Tinker (Oklahoma City, Okla) (A)	8.5 SE;RR NE	1272	78h L5 S6	73,100 oct. JP-1
Tulakes (Oklahoma City, Okla)	8 WNW	1400	44h S6	80,91 oct. Pwr line S.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
University (Wichita, Kans)	5 NE;RR N	1350	27 L S6	80,91 oct. Port rnwy lgts. P-line E.
University (Langston, Okla)	1 S;road N	1025	26	Bldg SE corner.
Wellington (Kans)	3.5 N;RR W	1290	26 S6	80 oct. P-line sur fld
Wheatley Arpk (Moore, Okla)	0.6 NE;hwy W	1273	24 S6	80,91 oct.
WICHITA Range (Kans)	332(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1,122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(NG)[Wichita] (Kans)	5.3 SE	1372	75h L6 S6	80,91 oct. 100 oct. for Army.
Wiley Post (Oklahoma City, Okla)	7.9 NNW; hwy E	1216	34 S6	80,91 oct. Trees S.
WILL ROGERS Tower (Okla)	272 (118.7)		AC (ILS)	(4); 118.7,126.18,122.5
[Will Rogers] (Oklahoma City, Okla)	7.5 SW;hwy E	1283	57h L6 S6	80,91 oct.P-line N,E,W. Port lgts prior req.
Wilson (Wichita, Kans)	7.6 NE	1410	29 L S6	80,91 oct.P-line N,NE,NW.
Winfield (Kans)	2 E;RR S	1200	20 S6	80 oct. Lgt acft only. Pwr line N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WICHITA	110.3 •−••	335	3°		MM- •−−•−(0.69)	OM- −−(5.37)
					MMK-201-•••	OMK-317 •−−•
WILL ROGERS	109.9 •−••	333.8	350°	IM-	MM- •−•−−(0.66)	OM- −−(4.6)
					MMK-	OMK-

NEW FACILITIES

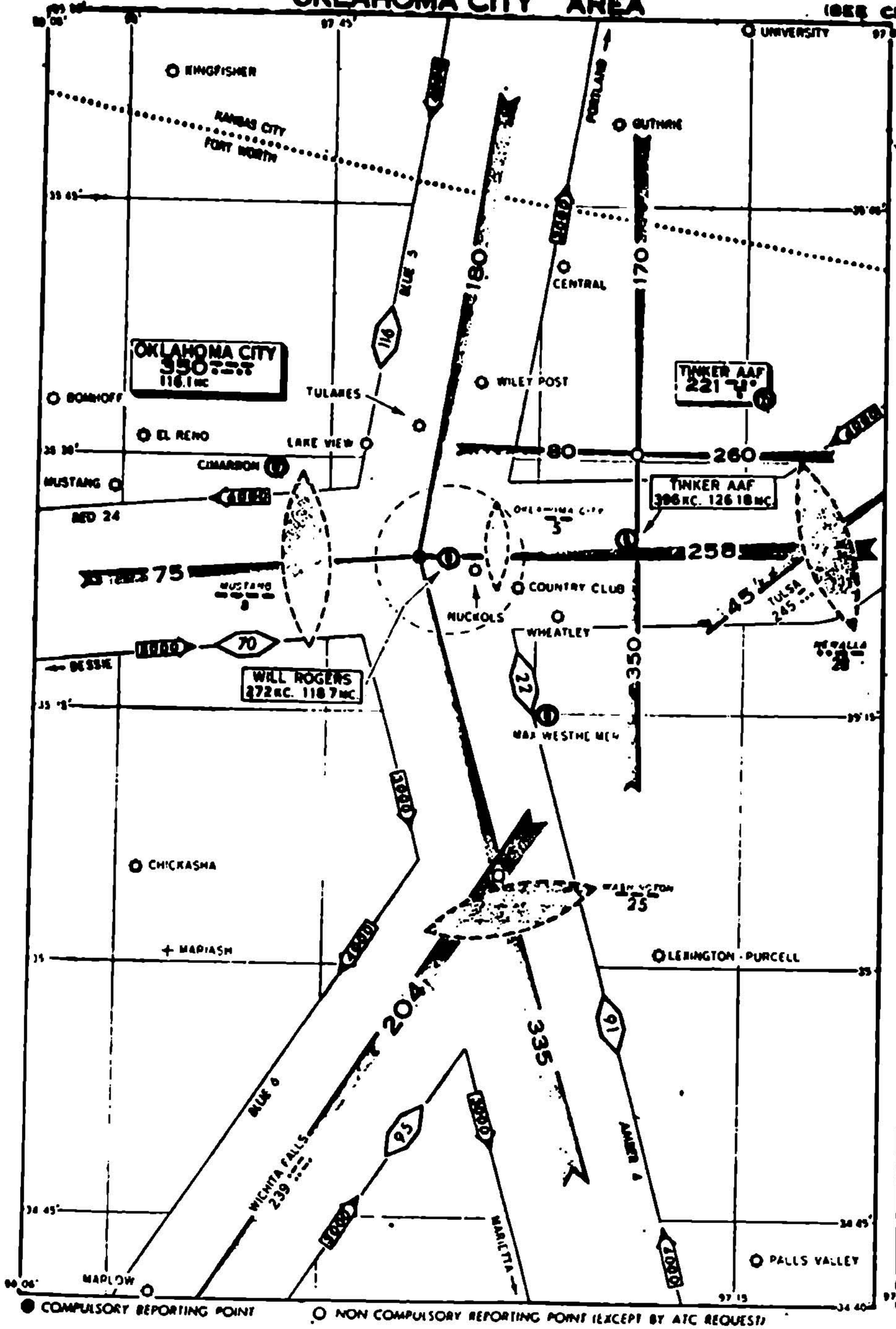
Lexington-Purcell (Lexington,Okla.)	0.8 WSW; riv W	1100	21 S1	80 oct.No sto.
Country Club (Okla.City, Okla)	7.3 S;hwy E	1250	19h S6	80 oct.
(P) Winfield-Arkansas City (Winfield,Kans)	5.7 SSW;RR SE	1150	58h L5 S2	80 oct.No bcn.Use strips.
BEECH Tower (Wichita, Kans)	239		CI	3105,6210 (7-17) daily except Sun & holidays.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

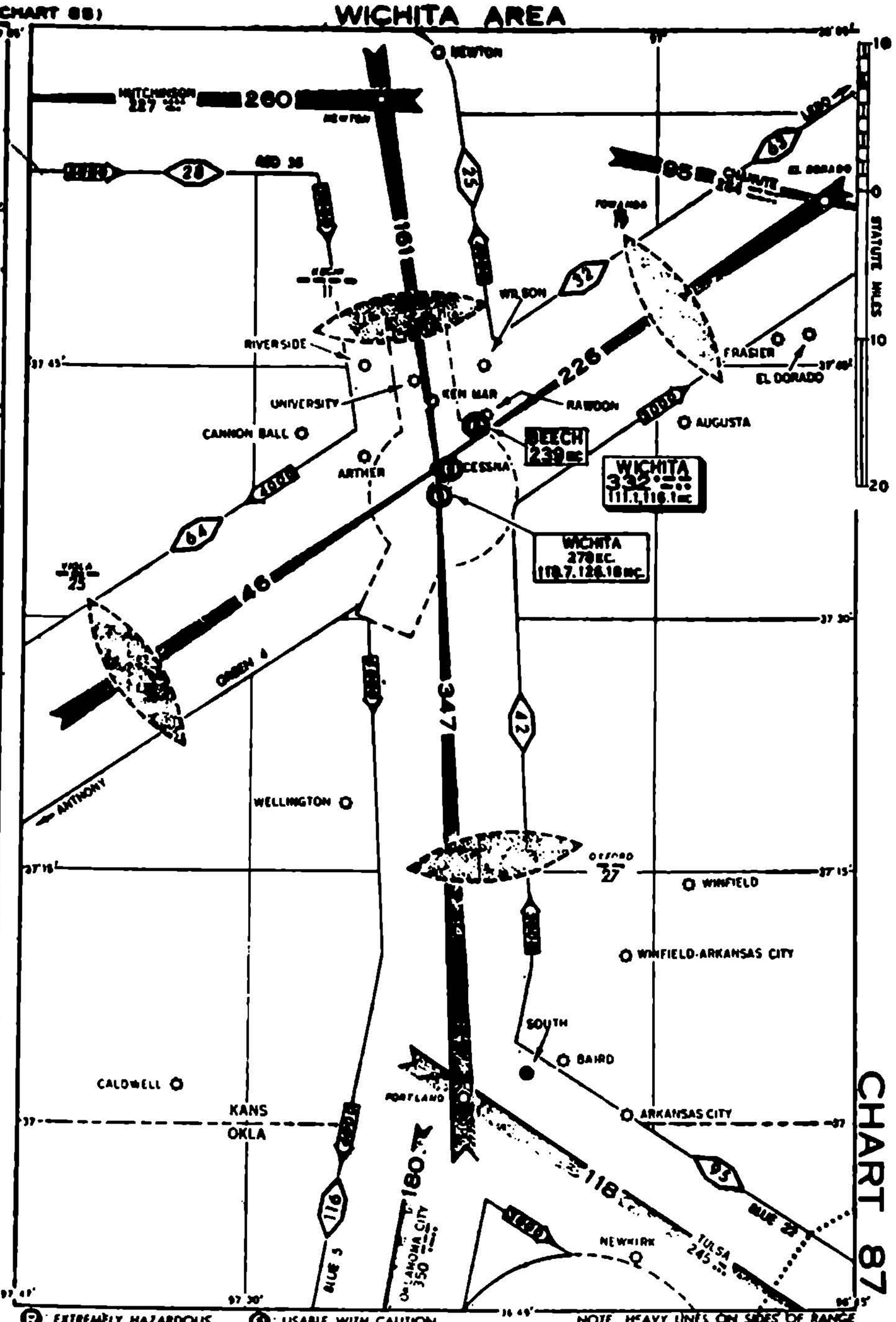
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

OKLAHOMA CITY AREA

(SEE CHART 88)



WICHITA AREA



STATUTE MILES 10 0 10 20

● COMPULSORY REPORTING POINT
○ NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
(R) EXTREMELY HAZARDOUS
(S) USABLE WITH CAUTION
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 87

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ADAMS Tower (Ark)	278 (126.18, 118.5)		C	(4); 126.18,118.5, 122.5 (7-23)
(NG) [Adams](Little Rock, Ark)	4 E;RR W	260	52h L5 S6	80, 91 oct. 73,100 ct, JP-1,2-ech maint
ADVANCE Range (Int) (Mo)	317(AF)(116.1)	354°, 1.5	SBMRAZ-DTV	(4);116.1,122.1
* Advance Int,48,NO-LS	0.8 WSW	355	29 L3	(Mo) N blkd,Trees
Alma (Ark)	1.5 ESE;rd S	450	23 S2	80 oct,P-line S,PRIVATE
American Legion (Blytheville, Ark)	1.5 ESE;RR N			ABANDONED
Arkansas Polytechnic (Russellville, Ark)	1.3 N;hwy W	350	23 S6	80,91 oct,SE blkd, P-line W.
(P) Atkinson (Pittsburg, Kans)	2.5 NW;RR W	948	40h L S6	80 oct. Flood,obst lgts
Bailey (Cabot, Ark)	0.5 W;RR SE	270	16 S2	80 oct.Trees sur fld.
Bass (Lula, Miss)	2.2 SSE	200	13 S1	80 oct.N blckd.Hwy E
Batesville (Ark)	3 S;hwy E	400	25 S3	80 oct,N,W blkd,P-line
* Batesville Int,29,NO-LS (Miss)	3 W;hwy SE	205	25 L3	Poles N, lgtd
Benton (Ark)	1.6 W;hwy N	300	20 S2	80 oct.P-line S.Trees
Bentonville (Ark)	1.5 SSW;RR N	1200	24 S1	80 oct.
Berryville (Ark)	1.3 WNW	1150	13 S1	70 oct,Trees S,hwys N,S
Biggers (Ark)	2 ESE	290	45	;RR 2 NW Cattle on fld,
BLYTHEVILLE Range (Ark)	221 (LY)	226°, 14.2	RLWZ	
(P) Blytheville (Ark)	3,5 NW	254	50h S6	80,91 oct.
Bolivar (Mo)	1.8 WSW	1138	24 S2	80 oct,N,S blkd.Hwy N.
Bowden (Mena, Ark)	1 E;RR NW	1177	16 S1	73 oct.
Bowen (West Memphis, Ark)	1.5 W;hwy N	215	17 L S6	80,91 oct. Floodlgts; port rnwy lgts.Poles
Branson (Mo)	4 W;mtn NNW	1069	19 S4	80 oct,W,NW blkd, SE.
(P) Brinkley,37,DL-LV (Ark)	1 E;hwy N	188	31 L3 S1	80 oct. days.Obst NW Heavy acft emerg only.
Cabool (Mo)	0.8 SW		18 S1	80 oct. Data unver.
Cape Commercial (Mo)	4.8 SW;Hwy N	340	35	CLOSED.P-line N
Carbondale (Ill)	1E;lkl.5SW	450	23 S6	80 oct.
(P) Carlisle Aux. (Ark)	3 NE;RR S	236	45h	CLOSED.
Carthage (Mo)	See Meyers Field under "New Facilities" - name changed			
Cassville (Mo)	3.9 S;hwy E	1375	26 S1	80 oct.P-line NE.
Central (Little Rock)	4.5 NE;RR S	255	35 S4	80 oct.Trees W.Data un-
Charleston (Mo)	1 ESE;RR NW	300	31 S2	80 oct.Poles Silver (Ark)
Chester (McBride,Mo)	3.8 NW;riv N	372	20h	Allway: 5388 x 4695'.
Clarksdale (Miss)	1.5 SE;hwy NW	175	21 L1 S6	80 oct,P-line N
Commercial (De Witt)	2.4 W;RR N	196	24 S6	80 oct.P-line E. (Ark)
(P) Conway (Ark)	1.5 SE;hwy W	309	32 S6	80,91 oct.P-line N,E.
Cooter (Blythev'l,Ark)	10 NE			ABANDONED
Copp (Calico Rock,Ark)	1.8 N	425	16	Fence S.
Dexter (Malden, Mo)	12.5 NNE	215	45h	
Dockery (Stuttgart,Ark)	1.5 NNW	214	24 S6	73,80 oct.P-line N,S,E
Diamond (Mo)	2.1 SSW;Hwy E	1150	19 S2	80 oct.SW,NW blkd.
(A) Dyersburg AAF (Tenn)	9 S;RR E	289	62h	CLOSED. (A)
Dyersburg Mun.(Tenn)	2 SW;riv N	337	40h S4	80 oct. No sto.
Earl Fields (Poplar Bluff, Mo)	3.8 ENE; hwy S	325	26 S6	80 oct. P-line S
Embry Riddle (Union City, Tenn)	See Stewart Field under "New Facilities" - name changed			
Erwin (Newport,Ark)	2.6 SE;rd S	220	45h	CLOSED.
Farmington (Mo)	1 ESE;hwy N,E	920	36 S6	80,91 oct.Poles E,N
Farmington Flying Service (Mo)	0.8 NNE; hwy S			ABANDONED
(P) Fayetteville (Ark)	4.5 S;riv E	1251	38 S6	80 oct.P-line SW;ctn.
Fleeman (Manila,Ark)	0.8 S;RR N	240	32 S2	80 oct.P-line N,NE.
Fletcher (Clarksdale)	8 NNE;RR W	175	20h S6	80, 91 oct (Mo) P-line
Forrest City (Ark)	0.7 W;hwy SE	226	22 S2	80 oct. Bldg S. S
Fort Scott (Kans)	4.5 SW;hwy S	900	28 S2	80 oct.
(P) [Fort Smith] (Ark)	4 SSE;RR S	450	35h L5 S6	80,91 oct.P-line SE,SW
(A) Gideon (Malden, Mo)	1 SE Gideon	268	45h	CLOSED. Stacks W.
Gilbrech (Palmer, Ark)	0.2 NE;RR S	178	18 S2	80 oct.N/S strip rough
Girard (Kans)	1.7 WNW	950	14	P-line S,WSW Poles W.
(P) Grider (Pine Bluff,Ark)	5.5 SE;hwy N	210	45 L S6	80,91 oct. Port rnwy lgts
Harlas (Malvern,Ark)	3.2 WSW	275	26 S2	73 oct.P-line NE,RR SE
Harris (Cape Girardeau, Mo)	6.5 SSW; hwy E	340	20h S6	80,91 oct. P-line N
Harrison (Ark)	4.1 NW;RR,8 S	1380	32 S2	80 oct.Se,S,NW blkd.
Heber Spgs (Ark)	1.5 NNE;hwy E	625	24 S1	80 oct.P-line E N blkd
Hazen (Ark)	3,8 WSW	225	45h	
Heavener (Okla)	2 N;RR W	575	27	Use in emerg. only.
→ J.B.Wilson (Joiner,Ark)	0.5 ENE			ABANDONED.
→ Jameson (Picher,Okla)	4.5 W			ABANDONED
→ John Brown Universtiy (Mosley,Okla)	See Brown University under "New Facilities"-name changed.			
John's Arpk.(Flippin)	0.3 NNW	620	27 S1	80 oct.N,SE,S,NW blkd. Caution.
(P) Jonesboro (Ark)	3.5 ESE; RR all sides	264	44h S6	80,91 oct.Use (Ark) rnwys.
JOPLIN Range (Mo)	400(JH)(vhf)	172°, 6.2	BMRLZ-DTV	(4);116.1,122.1
(P) [Joplin] (Mo)	5 NNE;hwy S	981	43h L4 S6	80, 91 oct. P-line NE
Kennett (Mo)	1.3 E;RR W	260	26	30' poles N.
→ Kennon (Union City, Tenn)	3.2 WSW; hwy N			ABANDONED
King (Houston,Mo)	0.8 WNW	1180	15 S1	80 oct.Poles S.Hwy ESE
* Lebanon, 54B, AQ-LS	2.5 SSE	1380	26 L3 S6	80 oct.(Mo.) Hwy E.
Levee (W.Memphis, Ark)	2.4 E;RR N	215	24 L S4	80,91 oct.Port rnwy lgts P-line N,S.Wires W.
LITTLE ROCK Range (Adams) (Ark)	353 (LI) (116.1)	313°, 3.8	SBRAZ-DTV	(3); 116.1, 122.1
* Luxora Int,39,NO-LS	1 WNW	240	31 L2	(Ark). Hwy S. S blkd.
McFarland (Springfield)	4 SSE;hwy E	1310	34 S6	80 oct. P-line S,NW(Mo
(P) McLaughlin (Hot Spgs, Ark)	See Hot Springs Memorial Fld under "New Facilities" - Name changed.			
Macarin (Marion, Ill)	4.6 WNW	470	35 S6	80,91 oct. Hwy W.
(A) Malden AAF (Mo)(A)	3.5 NW;RR E	296	50h	CLOSED.
Manila	1.6 NE	240	55	Cattle on fld.
Marks (Miss)	1.5 NW;hwy S	165	22 S2	80 oct.Trees N,E.
MEMPHIS Range (Tenn)	371 (PS) (116.1)	356°, 2.1	SBRAZ-DTV	(3); 116.1, 122.1
MEMPHIS Tower (Tenn)	278 (126.18, 118.7)		AC (ILS)	(4); 126.18,122.5,118.7 See Notice to Airmen
(A) [Memphis] (Tenn)	5.9 SSE; RR NE	269	52h L6 S6	73-100 oct JP-1.Rdo rgrd.Obst W,SE,S,NW
Memphis Flying Service (Tenn)	11 SE;RR 3 NW	286	35 L4 S6	80,91 oct.P-line S.No bcn.Lgts prior req. Rnwy lgtg data unver.
MEMPHIS NAS Tower	293 (142.74)		CN	3105; 142.74 (6-24)
(N) Memphis NAS (Tenn) (N)	16 NNE;RR NW	322	50h L5 S6	73,91,100 oct. Lgts on
(P) Miami (Okla)	2.2 NNW	800	33h L1 S6	80,91 oct. RR E req.
Milltown (Tuckerman,	4.5 E;	244	45h	(Ark).Emerg only.
Monett (Mo)	0.5 NE;hwy S	1282	26 S4	80 oct. P-line SW
Monkey Island (Afton, Okla)	7.8 SE;RR NW	750	26 S1	80 oct.P-line W
Murphysboro (Ill)	3 N;riv SE		20 S1	80 oct. Data unver.
Neosho com. (Mo)	4.8 NNW	1140	27 S2	80 oct. P-line SW,NW
Neosho 43B,AQ-SL(Mo)	2.8 SW;hwy E	1215	26 L3 S6	80 oct. P-line NE,W,NW
(P) Nevada (Mo)	3 NE;hwy N	850	36 L S6	80 oct. P-line SW,W.NW
Newport (Ark)	6 ENE;hwy N	237	50h S6	73,80,91 oct. Port lgts on req.
→ Norman (Ola, Ark)	1.8 NNE			ABANDONED
North Cairo (Cairo,Ill)	3 NNW	312	24 S4	73 oct. RR E wet.
Overholt (Cotton Plant)	3 W;hwy S,	250	18 S1	(PE) 80 oct.Ctn when
(P) Oxford (Miss)	6 S;hwy	300	30 S6	80,91 oct.Trees NW.Soft.
Paris (Ark)	2 NE;RR	500	23 S1	80 oct.SW,W blkd,P-line
Poteau (Okla)	1.5 SSW	460	17	RR NW, E,NE.
* Prairie du Rocher Int, 55, NO-LS (Ill)	0.5 S;RR NE	390	37 L3	Trees S, N
(P) Prairieville (Smyra, rk)	S W	205	45h	
Ramsey (Campbell,Mo)	1.6 SW;RR NW	295	18 S2	80 oct. NE.
Rogers (Ark)	2.7 N;RR E	1325	32 S6	80 oct. SE blkd.Trees
Rogers Arpk (Springfield, Mo)	2.1 E;hwy W	1367	38 L4 S6	80,91 oct. Lgts prior req. Pwr line N
Rolla (Mo)	3.5 NE;rdS	1201	31 L S6	80,91 oct.Port rnwy lgts
Round Pond (Ark)	1.5 NNW	200	22 S2	80 oct. PRIVATE. SW.
(P) Sanders (Walls,Miss)	1.8 S;hwy NW	210	51 S6	80,91 oct.Trees N,SSE.
Searcy (Ark)	2.8 S;RR E	260	21 S1	80 oct.P-line NE,SE.
Sexton (Kennett,Mo)	2.8 SW;hwy E	263	26 S2	80 oct
Sky Haven (W.Plains,Mo)	2.4 NW	1049	22	RR E.
Sloan (Black Rock,Ark)	0.5 NE;RR W	270	16	
Smith (Hasty,Ark)	3 SSW;rd E,S	1150	16 S1	80 oct. N,S blkd.
Springdale (Ark)	0.8 SSE; RR,5 V	1200	19 S4	80 oct. P-line NE,SW S,NW blkd.
SPRINGFIELD Range (Mo)	254 (SX) (vhf)	134° 4.3	SBRAZ-DTV	(4);116.1,122.1
(A) [Springfield] (Mo)	5.5 WNW; RR NE	1269	56h L5 S6	80,91,100 oct. 100 oct. JP-1 ArmyUse rnwys only
Steele (Blythev'l,Ark)	12.3 N			ABANDONED
Stilwell (Okla)	1.4 N;RR W	1125	18 S2	80 oct.
STUTTGART Range (Ark)	269 (DSA)	173° 4.5	MRLWZ	
(P) Stuttgart (Ark)	7 N;RR E	223	50h S6	80,91 oct.
Tahlequah (Okla)	4.3 N;rd E	1050	22 S6	80 oct.
(P) Thompson-Robbins (Helena, Ark)	6 NW;RR S	242	30h S6	73,80 oct.
Toney (Pine Bluff,Ark)	2.5 N;hwy W	215	28 S2	80,91 oct.Twr NW lgtd.
Tucker (Hughes,Ark)	1.1 S			ABANDONED.
Walcott #3 (Walnut Ridge, Ark)	14.2 ESE	285	45h	2 W of Walcott,CLOSED. NOT MAINT.Cattle on fld.
WALNUT RIDGE Range (Ark)	362 (DWR)	174°, 5.0	MRLWZ	
Walnut Ridge (Ark)	4 NE;RR SE	275	50h	
* Whiteville Int, 49, DL-LV (Tenn)	0.6 NNW;RR E	494	30 L3	
Wilson (Memphis, Tenn)	11.5 SE;hwy W	320	26 S6	73 oct.
Wynne (Ark)	3.2 N;RR E	212	25 S3	80 oct. P-line E, SE.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

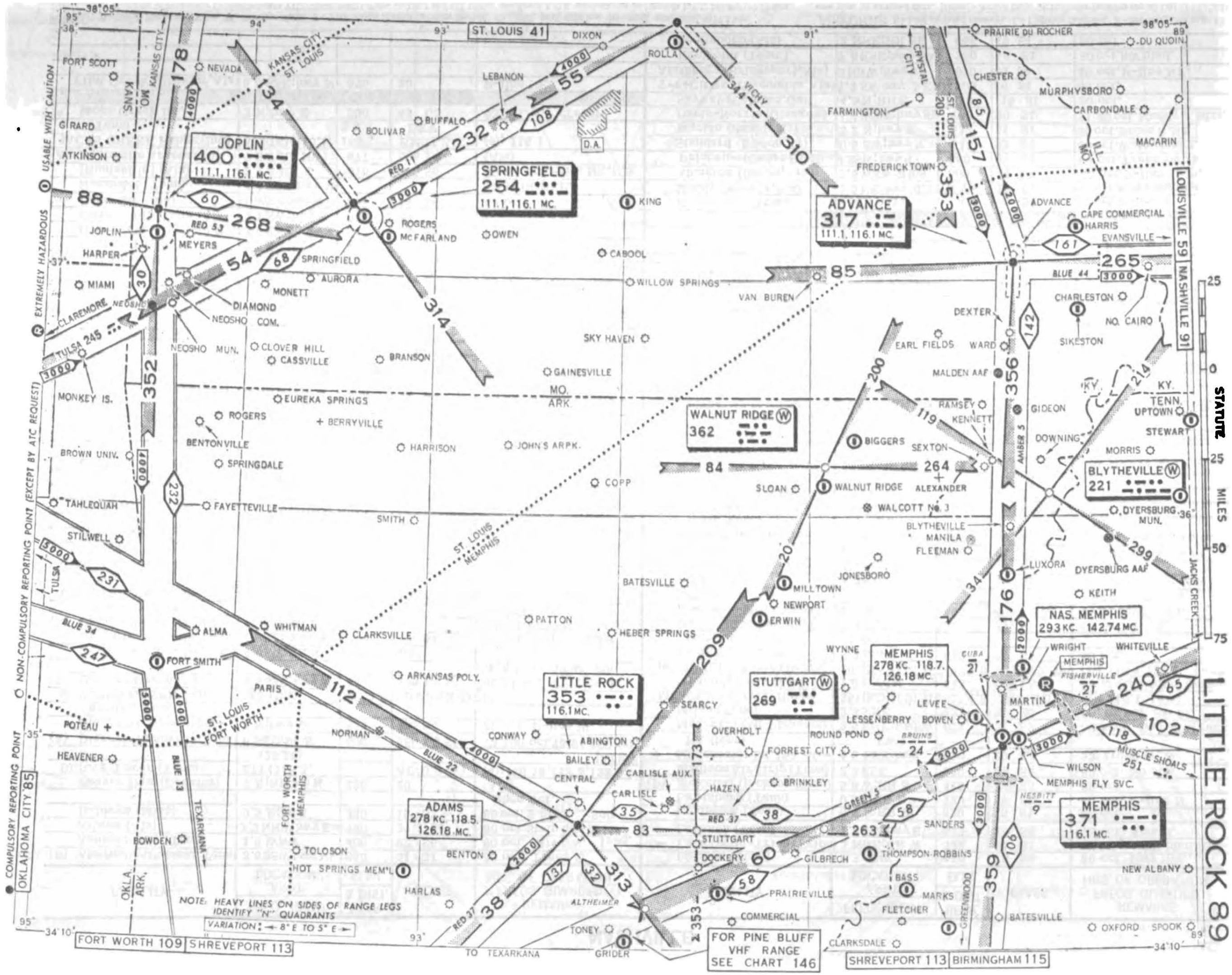
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MEMPHIS	109.9	333.8	86°	IM-	MM-(0.69)	OM- (4.8)
					MMK-201	OMK- 215
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Spook (Pontotoc,Miss)	2 W;hwy N	3000	15 S1	80 oct.P-line N.
PINE BLUFF Range(Ark)	108.7 (PL)		VARW	
Clarksville (Ark)	2.5 E;hwy S	425	27 S1	P-line SE,WSW
Whitman (Czark,Ark)	1.2 NNW	500	25 S1	80 oct. Hwy SW. Bldg SW.
Martin (Memphis,Tenn)	6 ENE;RR N	258	27 S6	80,91 oct.P-line S.
Czark Skyranch (Eureka Springs,Ark)	See Eureka Springs under "New Facilities" - name changed.			
Central(N.Lit'l Rock,Ark)	5 ENE;hwy S	255	35 S4	80 oct.Trees W. Caution.
New Albany (Miss)	2 W;hwy S	450	15 S1	80 oct.All apps blkd exc N,S
Wright (Memphis,Tenn)	9N;hwy,RR E	214	35 S2	80 oct.P-line E.
Morris (Obion,Tenn)	0.3 NW	340	25	P-line S.
Uptown (Union City,Tenn)	1 NE;hwy 45	350	15 S4	80 oct.No sto.P-line S.
Keith (Henning,Tenn)	1 SW;RR S	350	17 S1	80 oct.Trees W,SW,E.
Toloson (Mt.Ida,Ark)	0.5 N	850	24 S1	73 oct.P-line both ends.Soft.
Lassenberry (Parkin, Ark.)	1.3 SW;hwy	200	12 S2	80 oct.Trees N
Patton (Clinton, Ark.)	2.1 S;hwy	755	25 S1	Fld 80 oct.Trees sur fld.Soft.
Owen (Seymour,Mo)	5 NE	1200	25 S1	80 oct.Use strip only.
Gainesville (Mo)	2 ENE;hwy SW	1060	18 S1	80 oct.Trees NW.
Fredericktown (Mo)	4.8 S;hwy W	1000	15 S1	80 oct.Trees S,NE.Bldg N.
Clover Hill Exeter,Mo)	0.7 WNW	1530	13	Use strips only.
Harper (Joplin, Mo)	2.5 W;hwy N	1050	30 S6	80 oct,N,S,SW blkd,Poles
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80 oct, NW,NE.
Willow Springs (Mo)	0.7 E	1220	20 S1	80 oct,N blkd.
Alexander (Paragould,Ark.)	12 NE		25	Trees N,S.Data unver.
Stewart (Union City,Tenn)	5 ESE;hwy NE	345	18h L S6	80,91 oct.Flood lgts.
Meyers (Carthage,Mo)	2 S;hwy E	1007	26 L S6	80 oct.Port rnwy lgts.
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80oct P-lineNE,SW,E,S
Harper (Joplin,Mo)	2.5 W;hwy N	1050	30 S6	80 oct.N,S,SW blkd Poles
Owen (Seymour, Mo)	3 NE;orchard E	1630	21 S2	80 oct.Use strip only NW, NE
Gainesville (Mo)	2 0 ENE;hwy SW	1060	18 S1	80 oct.Trees NW
Fredericktown (Mo)	4 8 S;hwy W	1000	15 S2	80 oct.Trees S,NE;bldg N
Clover Hill Airstrip	0 7 WNW	1530	13	Use strip only
Willow Springs (Mo)	0 7 E	1220	20 S1	80 oct.N blkd.
Downing (Hayti, Mo)	1 5 W;hwy S	270	16 S2	80 oct.P-line S.Use strip
Carlisle (Ark)	0.5 S;hwy N	240	26 S2	80 oct P-line N;trees S
Buffalo Mun.(Mo)	1 2 NW;hwy E	1200	13 S2	80 oct Trees NE
Cabool (Mo)	1 SW	1200	18 S1	80oct Trees N;p-line S
Dixon (Mo)	1 5 W;RR S	1220	16 S1	80oct TreesNNE,NW
Sikeston (Mo) (Ark.)	2 NE; RR S	315	58 S6	80 oct. P-line W.
(P)Hot Springs Memor'l	3SW;hwy N	525	41h L5 S6	80,91 oct. Lgts prior req.
Eureka Springs (Ark)	6.5 NW;riv E	1150	24 S1	80 oct.NW blkd.
Brown University(Mosley ,Okla.)	3.6 ESE;hwy S	1183	27 S6	80 oct.Apochs blkd.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


ST. LOUIS 41
JOPLIN 400 111.1, 116.1 MC.
SPRINGFIELD 254 111.1, 116.1 MC.
ADVANCE 317 111.1, 116.1 MC.
WALNUT RIDGE (W) 362
BLYTHEVILLE (W) 221
LITTLE ROCK 353 116.1 MC.
STUTTGART (W) 269
MEMPHIS 278 KC. 118.7. 126.18 MC.
NAS. MEMPHIS 293 KC. 142.74 MC.
MEMPHIS 371 116.1 MC.
ADAMS 278 KC. 118.5. 126.18 MC.
FORT SCOTT
NEVADA
GIRARD
ATKINSON
JOPLIN
HARPER
MIAMI
CLAREMORE
TULSA 245
MONKEY IS.
BROWN UNIV.
TAHLEQUAH
STILWELL
MEYERS
DIAMOND
NEOSHO COM.
NEOSHO MUN.
CLOVER HILL
CASSVILLE
EUREKA SPRINGS
ROGERS
BENTONVILLE
SPRINGDALE
FAYETTEVILLE
SMITH
BOLIVAR
BUFFALO
LEBANON
ROLLA
DIXON
ROGERS
McFARLAND
OWEN
KING
CABOOL
WILLOW SPRINGS
VAN BUREN
SKY HAVEN
BRANSON
GAINESVILLE
MO.
ARK.
BERRYVILLE
HARRISON
JOHN'S ARPK.
COPP
SLOAN
WALNUT RIDGE
ALEXANDER
WALCOTT NO. 3
BIGGERS
SEXTON
RAMSEY
KENNETT
DEXTER
EARL FIELDS
WARD
MALDEN AAF
CRYSTAL CITY
FARMINGTON
FREDERICKTOWN
PRAIRIE DU ROCHER
DU QUOIN
CHESTER
MURPHYSBORO
CARBONDALE
MACARIN
CAPE COMMERCIAL
HARRIS
EVANSVILLE
CHARLESTON
SIKESTON
NO. CAIRO
GIDEON
DOWNING
MORRIS
UPTOWN
STEWART
KY.
TENN.
BLYTHEVILLE
MANILA
FLEEMAN
DYERSBURG MUN.
DYERSBURG AAF
LUXORA
KEITH
JONESBORO
MILLTOWN
NEWPORT
ERWIN
BATESVILLE
PATTON
HEBER SPRINGS
CLARKSVILLE
WHITMAN
ALMA
FORT SMITH
PARIS
ARKANSAS POLY.
NORMAN
POTEAU
HEAVENER
OKLAHOMA CITY 85
OKLA.
ARK.
BOWDEN
TOLOSON
HOT SPRINGS MEM'L
HARLAS
BENTON
CONWAY
ABINGTON
BAILEY
CENTRAL
CARLISLE AUX.
CARLISLE
HAZEN
SEARCY
OVERHOLT
FORREST CITY
ROUND POND
BRUINS
BRINKLEY
STUTTGART
DOCKERY
GILBRECH
THOMPSON-ROBBINS
PRAIRIEVILLE
COMMERCIAL
TONEY
GRIDER
ALTHEIMER
BASS
MARKS
FLETCHER
CLARKSDALE
GREENWOOD
WYNNE
CUBA
LEVEE
LESSENBERRY
BOWEN
MARTIN
WRIGHT
WHITEVILLE
FISHERVILLE
WILSON
MEMPHIS FLY SVC.
SANDERS
NESBITT
MUSCLE SHOALS
NEW ALBANY
OXFORD
SPOOK
BATESVILLE
LOUISVILLE 59
NASHVILLE 91
JACKS CREEK
LITTLE ROCK 89
STATUTE MILES
25
0
25
50
75
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 8° E TO 5° E
FOR PINE BLUFF VHF RANGE SEE CHART 146
FORT WORTH 109
SHREVEPORT 113
TO TEXARKANA
SHREVEPORT 113
BIRMINGHAM 115
38°05'
38°
37°
35°
34°10'
95°
94°
93°
91°
89°

NASHVILLE

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Abernathy (Pulaski, Tenn)	3.6 SSW; hwy NE	650	31 S1	80 oct. Trees E.
Ashland City (Tenn)	1.8 WNW	400	22 S6	80 oct. Riv SW. req.
Athens (Ala)	3.2 NNW; hwy E	780	27 L S4	80 oct. Strip lgts prior
Baldwyn (Miss)	0.5 E; rd S	380	15 S2	80 oct. S blkd. Soft when wet.
Beaver Dam (Decatur)	7 E; RR 3.5 N	580	20	(Ala)
BERRY Tower (Tenn)	278 (118.3, 126.18)		AC(ILS-W)	(4); 126.18, 118.3, 122.5
(A) [Berry] (Nashville, Tenn)	6 SE; hwy S	606	55h L6 S6	73, 100 oct. 73, 91, 100 oct. Army
Bomar Airways (Shelbyville, Tenn)	5 N; hwy W	825	22 S6	80 oct. P-line W.
BOWLING GREEN Range	368 (BA)	296°, 3.8	SBMRAZ-DT	(4)
(P) Bowling Green (Ky)	2.5 SSE; hwy W	540	40h L5 S4	80, 91 oct. Fld lgts on req. to commun. stn.
Boyd (McMinnville, Tenn)	4.6 SW; RR N	1000	20	
Brown (Hohenwald, Tenn)	1 ESE; hwy S	950	20 S1	80 oct. P-line SE, SW
(A) Campbell AAF (Hopkinsville, Ky.) (A)	12.8 S; RR E	557	54h	TMP INACT-NO FACS. CLOSED.
CHATTANOOGA Range (Tenn)	341 (CB) (116.1)	203°, 3.0	SBRAZ-DTV	(3); 116.1, 122.1
CHATTANOOGA-LOVELL Tower (Tenn)	278 (126.18, 118.9)		C	(4); 126.18, 118.9, 122.5
[Chattanooga-Lovell]	5.5 E; RR E	678	45h L5 S6	80, 91 oct. (Tenn)
Clifton (Tenn)	1.4 E Lake W	402	28 S1	80 oct.
Cookeville (Tenn)	1.5 NNE; RR N	1050	25 S4	80 oct. Sto. in emerg. Poles W.
Corinth 7, PS-TM (Miss)	5 WSW; hwy N	418	39 L3 S1	80 oct.
Cornelia Fort (Nashv'l) Tenn)	6 ENE; riv E	420	30 L S6	80 oct. Flood, strip lgts 2200, Mon thru Thurs.
Courtland (Ala)	1.8 W	588	50h	CLOSED.
(P) Crossville, 9, NA-WA	3.3 WNW; hwy S	1862	30 L3	(Tenn)
Cumberland (Nashville)	3 NNW; riv N	400	34 S6	80 oct. No sto. (Tenn)
➔ Dalton (Ga)	5.7 ESE; riv NE	700	22 S1	80 oct. Trees N.
Davenport (Ft. Payne, Ala)	1.1 NE; RR, hwy NW	1010	24 L S4	80 oct. Flares prior req.
DeSoto Park Land Strip (Ft. Payne, Ala)	6 NE	1556	18	
Dick's (Fayetteville, Tenn)	1.5 S; hwy E	600	14	P-line E. Trees W.
Franklin Air Svc. (Tenn)	1.3 WSW	645	18 S1	80 oct. E blocked.
Garnett (Hopkinsv'l, Ky)	5.5 SSE; RR W	550	23 S4	80 oct.
(P) Gill-Dove (Martin, Tenn)	3.5 S; hwy E	416	35 S6	80 oct.
★ Graham Int, 59, DL-LV	1.5 NW; hwy E	536	27 L3	(Tenn)
Graves Co. (Mayfield, Ky)	3.6 ENE; hwy S	543	26 S1	80 oct.
Guntersville Dam (Ala)	9.1 NW; hwy E	600	30	Reservoir S. P-line SE.
Hartselle (Ala)	1 WSW; hwy N	588	18 S4	80 oct. Ctn.
Humboldt (Tenn)	4.6 ESE; hwy W			ABANDONED.
[Huntsville] (Ala)	3.1 S; RR E	610	38h S6	80-91 oct. Hills NE, E, S.
(A) Huntsville Arsenal (A)	7 SW; RR NW	677	50h L5	(Ala)
JACKS CREEK Range (Int.) (Tenn)	332 (JK) (116.1)	186°, 2.6	BMRLZ-DTV	(4); 116.1
★ Jacks Creek Int.	2 N; hwy E	550	43 L3	53, DL-LV (Tenn)
NEW FACILITIES				
Flint Creek (Decatur, Ala)	5.5 SSE; hwy N	575	20	P-line NE.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Jackson (Tenn)	2.5 ENE	450	28 S6	80 oct. Hwy NW.
➔ La Fayette-Trion (Trion)	3 NNE; RR W	722	21 S1	80, 91 oct. SW blkd. (Ga)
Lebanon (Tenn)	1.8 SW; hwy E	522	28 S6	73 oct. No sto.
Lexington (Tenn)	0.5 E; RR W	520	10 S1	80 oct.
Lewisburg (Tenn)	0.5 S; RR E	720	18 S2	80 oct. P-line N.
(P) McKellar (Jackson, Tenn)	5.8 W; RR S	410	36h S6	80 oct.
Madison Air Strip (Tenn)	2.3 ESE	560	19 S6	80 oct. No sto.
★ Manchester Int, 16A, AG-NA (tenn)	4.5 ESE; hwy SW	1090	29 L3	53' trees W, N.
Maury Co. (Mt. Pleasant)	2.5 ENE; RRSW	672	31 S2	80 oct. P-line NW. (Tenn)
Milan (Tenn)	2.8 NNE	421	25 S5	80, 91 oct. RR SE.
MUSCLE SHOALS Range	251 (ED) (116.1)	282°, 4.6	SBRAZ-DTV	(4); 116.1 (Ala)
Muscle Shoals (Ala)	1.5 E; rd N	545	40h L5 S1	80, 91 oct. No fuel for mil acft.
NASHVILLE Range (Berry)	304 (NA) (116.1)	246°, 2.6	SBMRAZ-DTV	(3); 116.1, 122.1
North Sauty Base (Scottsboro, Ala)	3.2 SSW; Lake S	610	20 S1	80 oct.
Outlaw (Clarksville, Tenn)	7.4 NNW	550	37 S5	80 oct. RR W.
[Paducah-McCracken Co (Paducah, Ky)	8.8 W; RR N	405	40h L5 S6	80, 91 oct. No sto. lgts. for req.
Paris (Tenn)	4.3 NW; hwy N	500	28 S6	80 oct. No sto. P-line N, NW.
Pryor (Decatur, Ala)	4 NNE; hwy W	588	44 S6	80, 91 oct.
Rossville (Ga)	2.1 SSW	760	21 S1	80 oct. S blkd. Hwy E.
Skv Harbor (Murfreesboro, Tenn)	7.3 NW; hwy SW	560	39 S6	73 oct. No sto. Poles NE.
SMITHVILLE Range (Int.)	347 (XM) (116.1)	177°, 1.4	SBMRAZ-DTV	(4); 116.1 (Tenn)
★ Smithville Int, 5, NA-WA	1 E; rd S	1073	34 L3 S1	80 oct. (Tenn)
SMYRNA AAF Tower (Tenn)	219 (126.18)+		CA (ILS)	(3); 126.18
(A) Smyrna AAF (Nashville, Tenn) (A)	17 SE; RR SW	512	55h	TMP INACT-NO FACS.
S.T.College (Murfreesb'o)	2 E; hwy N	600	34 S4	80 oct. Poles N. (Tenn)
Thomas (Chattanooga)	3 N; RR E	640	38	(Tenn)
University of South	1.8 WNW; RR NE	870	23 S2	80 oct. (Cowan, Tenn)
Wilks (Fayetteville, Tenn)	2.5 NNW; hwy E	650	20 S2	80 oct.
(A) William Northern (A)	2 WNW; rd S	1081	50h	CLOSED. (Tullahoma, Tenn)
Wood-Dearing (Russellv'l, Tenn)	4 E	780	20 S4	Fuel from town

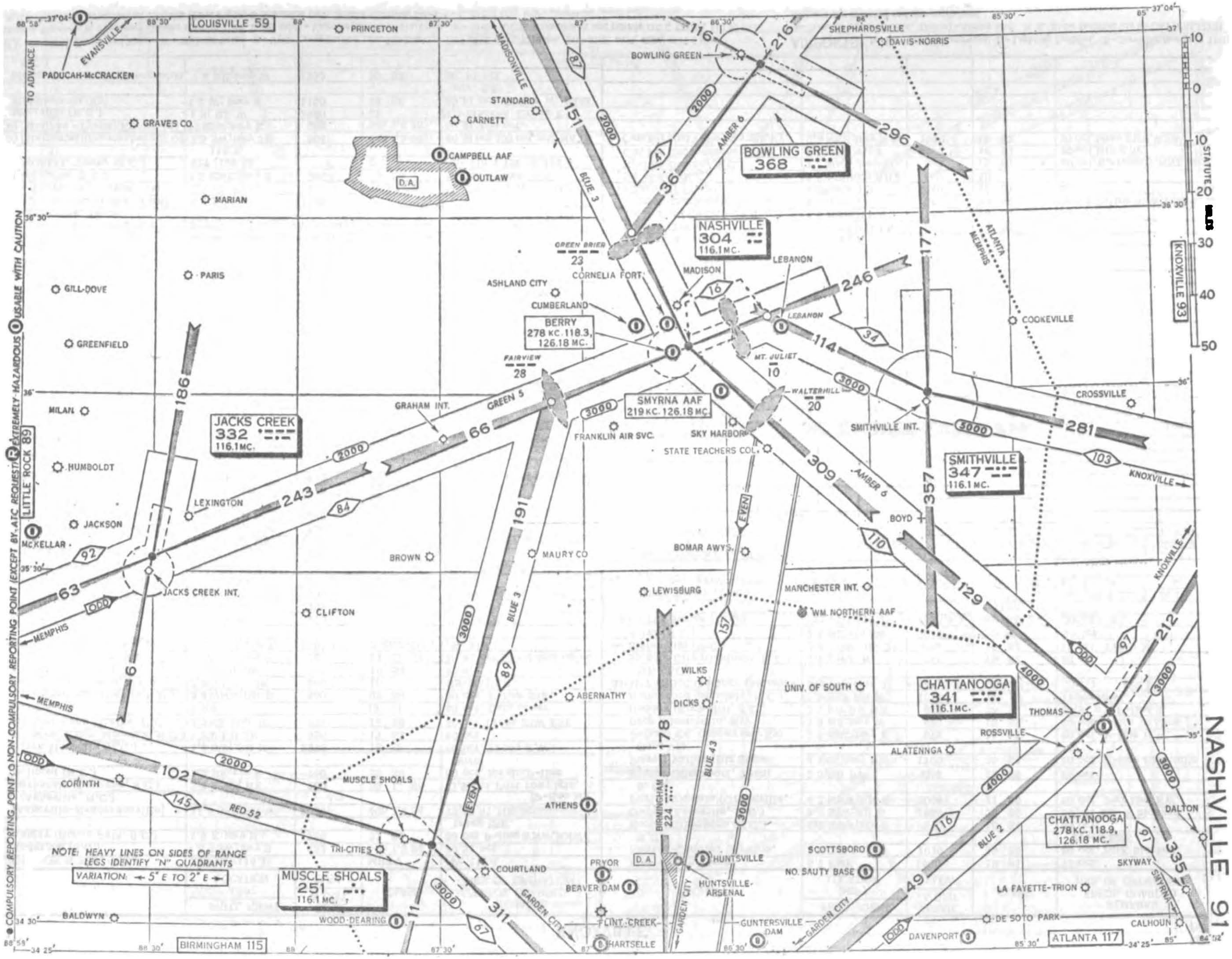
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BERRY	109.9		14°	IM-	MM- •—•—• (0.81)	OM- — — (5.7)
					MMK- 356 •— ••	OMK- 375 ••— —
SMYRNA AAF (A)	109.5	332.6	230°	IM- (0.04)	MM- •••••• (0.81)	OM- — — (4.31)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES				
Greenfield (Tenn)	2 SSW; riv S	410	35 S1	80 oct. P-line N NW-blkd.
Moody (Oneonta, Ala)	1.5 NE; hwy 0.5 NW	790	18 S4	80 oct. Soft when wet
Abington (Beebe, Ark)	1.5 WSW; RR S	300	24 S1	80 oct. P-line SE, N, NE.
Princeton (Cedar Bluff)	4 SSW; hwy S	400	25 S1	80 oct. Trees SW. (Ky)
Standard (Elkton, Ky)	0.5 SW; hwy N	540	22 S1	80 oct. Water tank E of N end strip
Marian (Hazel, Ky)	3.2 N; hwy E	532	21 S1	80 oct. Poles E, NE.
Davis-Norris (Glasgow)	1.4 WSW; hwy SE	760	20 S1	91, 80 oct. Muddy.
Skyway (Calhoun, Ga)	4.5 N; RR E	730	15 S1	80 oct.
Tri-Cities (Tuscumbia, Ala)	1.2 SW; hwy .5 ENE	500	26 S4	80 oct.
Alatennga (Bridgeport, Ala)	3 NNW; hwy SE	650	20 S4	80 oct. P-line NE.
Humboldt (Tenn.)	2.8 ESE; hwy SW	380	18 S1	80 oct. SW blkd.
Scottsboro (Ala)	2 NNE; RR SE	666	19 S1	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. 2 - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 8117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➔ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


LOUISVILLE 59
PRINCETON
PADUCAH-McCRACKEN
EVANSVILLE
TO ADVANCE
GRAVES CO.
STANDARD
GARNETT
CAMPBELL AAF
OUTLAW
D.A.
MARIAN
PARIS
GILL-DOVE
GREENFIELD
MILAN
HUMBOLDT
JACKSON
McKELLAR
LITTLE ROCK 89
BROWN
MAURY CO.
CLIFTON
JACKS CREEK INT.
LEXINGTON
MEMPHIS
CORINTH
MUSCLE SHOALS
TRI-CITIES
BALDWYN
BIRMINGHAM 115
JACKS CREEK 332 116.1MC.
MUSCLE SHOALS 251 116.1 MC.
BOWLING GREEN
BOWLING GREEN 368
SHEPHARDSVILLE
DAVIS-NORRIS
NASHVILLE 304 116.1MC.
GREEN BRIER 23
CORNELIA FORT
ASHLAND CITY
CUMBERLAND
BERRY 278 KC. 118.3, 126.18 MC.
FAIRVIEW 28
MADISON
LEBANON
MT. JULIET 10
WALTERHILL 20
SMYRNA AAF 219 KC. 126.18 MC.
FRANKLIN AIR SVC.
SKY HARBOR
STATE TEACHERS COL.
GRAHAM INT.
GREEN 5
SMITHVILLE INT.
COOKEVILLE
CROSSVILLE
SMITHVILLE 347 116.1 MC.
KNOXVILLE 93
KNOXVILLE
BOYD
LEWISBURG
MANCHESTER INT.
WM. NORTHERN AAF
WILKS
DICKS
ABERNATHY
ATHENS
COURTLAND
PRYOR
BEAVER DAM
FLINT CREEK
HARTSELLE
WOOD-DEARING
HUNTSVILLE
HUNTSVILLE-ARSENAL
GUNTERSVILLE DAM
BIRMINGHAM 224
GARDEN CITY
BLUE 43
BLUE 3
BLUE 2
AMBER 6
ATLANTA-MEMPHIS
ÚNIV. OF SOUTH
CHATTANOOGA 341 116.1MC.
CHATTANOOGA 278 KC. 118.9, 126.18 MC.
ROSSVILLE
THOMAS
ALATENNGA
SCOTTSBORO
NO. SAUTY BASE
LA FAYETTE-TRION
DE SOTO PARK
DAVENPORT
SKYWAY
SMYRNA
CALHOUN
DALTON
ATLANTA 117
NASHVILLE 91
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 5° E TO 2° E
● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) R EXTREMELY HAZARDOUS U USABLE WITH CAUTION
STATUTE MILES
EVEN
ODD

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ANDERSON H Fac. (S.C.)	236(AS)(116.1)		MHTV	(4); 116.1
Anderson (S.C.)	4.5 WSW;hwy S	783	50h L5 S6	80,91 oct.
Ashley (Honea Path, S.C.)	1.5 E;hwy N	780	21 S2	80 oct.P-line WNW,NNW; trees SSE.
(P) [Asheville-Hendersonville] (Asheville, N.C.)	11.5 SSE;RR W	2090	40h L5 S4	73,80,91,100 oct. P-line NE.
(P) Barksdale (Laurens, S.C.)	2.8 E;RR NE	700	30 L S6	73,91 oct.Port rnwy lgts.
Belmont (N.C.)	1.3 NE;riv E	740	20 S6	80 oct. No sto.P-line WNW.
→ Black Mountain (N.C.)	1.8 SW; RR N	2270	18 S6	80 oct. Trees E,W.
Bridges (Kings Mountain,N.C.)	1 SW;RR SE	930	17 S2	80 oct.
Bridges Arpk (Shelby, N.C.)	3.3 NE;lake W	975	18 S6	80 oct.Trees SSW,ESE.
Bristol (Va)	3 NE		18 S1	80 oct. Data unver.
Brockenbrough (Derita,N.C.)	3.8 WNW;RR E	800	22 S6	80 oct. P-line SSE.
Burris (Lincolnton, N.C.)	2.2 SW;RR SE	960	10	UNUSABLE.
Byers (Shelby, N.C.)	3 SE;RR SW	875	16 S4	80 oct.
Cannon (Charlotte, N.C.)	3 WNW; hwy S	788	24 L S6	80,91 oct.Flood lgts on req
CHARLOTTE Range (Douglas) (N.C.)	212 (CF)(116.1)	359°,1.7	BMLZ-DTV	(3); 116.1
Chesnee (S.C.)	2 S; RR W	910	18	PRIVATE.
(P) Chester (S.C.)	5 NNE; RR W	709	50h S4	80 oct. No sto.
Chilhowie,29B,NA-WA (Va)	3.9 SE;riv N,SW	2100	34 L3 S4	80 oct.P-lines SW,NE.
Coulbourn (Lancaster, S.C.)	1 SSW;hwy SW	560	32 S4	80 oct.
DOUGLAS Tower (N.C.)	396 (126.18,118.9)		C	(4); 126.18,118.9,122.5
(P) [Douglas] (Charlotte, N.C.)	5.5 W;RR N	745	52h L5 S6	80, 91 oct.
Elkin (N.C.)	2.8 SW;RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Fairforest (Spartanburg,S.C.)	5.8 WNW;rd W	830	23 S6	80,91 oct.
Francis Marion (Marion,N.C.)	2.5 NE;PP N.	1450	19 S6	80 oct. Hill E
Franklin (N.C.)	1.2 ESE;riv W	1996	28 S2	80 oct.
Galax (Va)	6.5 S;hwy E	2575	27 S4	80 oct.
Gastonia, mun. (N.C.)	4.5 SSE;hwy SW	800	30h L S1	80,91 oct. Port rnwy lgts. on req.
GREENVILLE Range (S.C.)	281(GC)(116.1)	2°,1.9	BMLZ-DTV	(4);116.1,122.1
[Greenville] (S.C.)	3.2 E;RR SE	1015	42h L5 S6	80,91 oct. 100 oct. in emerg. No bndry lgts.
GREENVILLE AAB Tower (S.C.)	272 (126.18)+		CA	(3); 126.18
(A) Greenville AAB (S.C.) (A)	7.5 SSE;hwy W	959	55h L5 S6	73,100 oct. JP-1. No sto.
H & H Flying Service (Brevard, N.C.)	1.5 ENE;riv S RR N	2140	20 S1	80 oct. P-line WNW
Hendersonville (N.C.)	1.5 ESE;hwy SW	2200	30 S6	80, 91 oct.
Hickory (N.C.)	2.2 W;RR S	1180	40h S6	80, 91 oct.
Island (Knoxville, Tenn)	2.5 E	831	43 S6	80,91 oct.
→ Jasper (Ga)	1.2 NNW;RR SW	1935	16 S2	80 oct.
Johnson City (Tenn)	3.8 NE	1650	21 S6	81 oct. No sto.
Josephson (Asheville, N.C.)	3 W;riv E	2200	20 S1	80, 91 oct.
King Field (Clemson, S.C.)	2.4 ENE;RR NW	900	20 S4	80 oct. Trees N.
Kings Mountain (N.C.)	3.5 SW;RR SE	980	23 S2	80, 91 oct.
KNOXVILLE Range (McGhee Tyson)Tenn.	257 (KX)(116.1)	192°,2.8	SBRAZ-DTV	(3); 116.1, 122.1
KNOXVILLE Tower (Tenn)	See Mc-Ghee Tyson under "New Facilities" - name changed			
(P) [Knoxville-McGhee-Tyson] (Knoxville, Tenn)	See McGhee-Tyson Arpt listed in alphabetical order-name changed			
Lakeside (Dandridge, Tenn)	6.5 E;hwy S	1000	23	
→ (P) Le Tourneau (Toccoa, Ga)	2.5 NE;RR S	950	31 L2 S6	80, 91 oct.Poles SSW.
Lincolnton (N.C.)	3.2 ENE;hwy S	960	23 S6	80 oct. P-line SSW
MEMORIAL Tower (S.C.)	317 (126.18, 118.7)		C	(4); 118.7,126.18,122.5
(N,P) [Memorial] (Spartanburg,S.C)	2.5 SW;hwy SE	804	44h L5 S6	80,91 oct.100 oct.mil.NATS.
(P) [McGhee-Tyson] (Knoxville)	12 SSW;hwy E	988	50h L6 S6	80,91,100 oct.
Micaville (N.C.)	1 S; RR W	2500	21	N,S blocked. Creek E.
Middlesboro (Ky)	1.2 W; hwy S	1150	23 S6	80,91 oct. P-line W. Mtns sur. fld.
Morganton-Lenoir (Morganton, N.C.)	7.5 NE;hwy W	1253	33 S2	80, 91 oct.
Morristown (Tenn)	5.7 ENE	1400	19 S1	73 oct.
Newton-Conover (Newton, N.C.)	2 N;RR,hwy E	1030	15 S6	80 oct. NNE blocked. Trees ENE.
North Wilkesboro (N.C.)	1.3 WSW;riv S	970	15 S4	80 oct.
Owens (Asheville, N.C.)	2.3 SSW;RR E	1988	25 S6	80, 91 oct. E blocked.
Paris Mountain (Greenville, S. C.)	4.2 NNW;RR E	1006	21 S6	80 oct. Pwr line NW.
Pierce (Kingsport, Tenn)	3 S;RR NW	1210	22 S6	80 oct.
Powell Valley (Big Stone Gap, Va)	4 ESE;hwy NW	1700	25 S4	80 oct. P-line ENE;hills W.
Pulaski Co. (Sumerset, Ky)	3.5 SSW;hwy E	675	16 S1	80 oct. P-line E,W.
Rice (Monticello, Ky)	1.8 NE;hwy W	920	18 S2	80 oct.P-line W.Mtns E.
Roddey (Rock Hill, S.C.)	2.7 SW;RR NW	664	28 S4	80,91 oct.P-line S.
Rutherford (Spindale, N.C.)	1.5 SSE;RR N	1012	17 S4	Trees NNW.
SPARTANBURG Range (Memorial) (S.C.)	248 (SU)(116.1)	58°, 1.6	SBRAZ-DTV	(3); 116. , 122.1
Spindle City (Gastonia, N.C.)	3.2 E;RR N	795	19 S2	80 oct.
→ Statesville (N.C.)	3.6 WSW; RR SE	990	27 S2	80 oct. Trees N.
Sylva (N.C.)	2.4 NE;riv SW	2039	23 S2	80 oct,
TRI-CITY Range (Tenn)	221 (TI)(116.1)	252°,3.3	SBMRAZ-DTV	(3);116.1,122.1
TRI-CITY Tower (Tenn)	278(118.7)		C	(4); 118.7,122.5,126.18
(P) [Tri-City] (Bristol,Tenn)	14.5 SW	1518	45h L5 S6	80, 91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

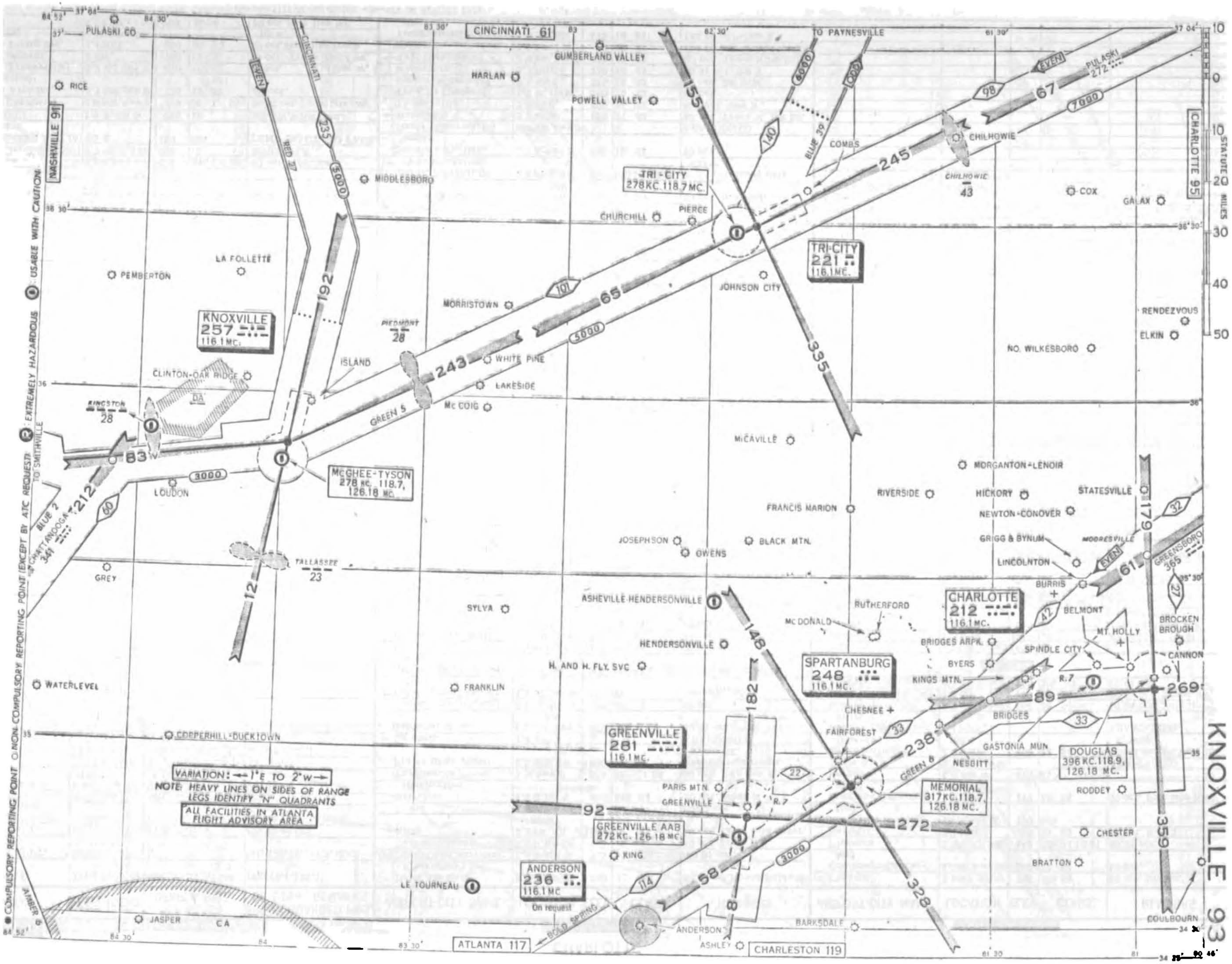
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
Mc-GHEE TYSON	110.3	335	44°	MM- ·—·— (0.61)	OM- — — (4.34)
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-

NEW FACILITIES

Combs (Bristol,Va)	3 NE	1865	20 S6	80 oct.P-line N.
McDonald (Spindle,N.C.)	1.2 SSE;hwy W	1000	20	Trees S.
Mc-GHEE TYSON Tower (Tenn)	278 (126.18, 118.7)		C (ILS)	(4);118.7,126.18,122.5
Harlan (Dillon,Ky)	0.5 E;RR N	1150	21 S1	80 oct.Pole E.Ctn.Mtns
Riverside Arpk (Morganton,N.C.)	2 W;riv NE	1020	22 S2	80 oct.Mtn E.
Rendezvous (Jonesville,N.C.)	1 E;riv N	1000	22 S1	80 oct.NW blkd.
Bratton (Chester,S.C.)	1.4 SE;RR SW	550	17 S2	80 oct,Emerg. only.
Copperhill-Ducktown	2.5 NE	1700	15	(Copperhill, Tenn)
Waterlevel (Cleveland,Tenn)	3 SSE;hwy N	800	20 S1	80 oct. N,S blkd.
Grey (Athens, Tenn)	2.2 N;RR E	691	23 S4	80 oct.
Pemberton(Glenmary,Tenn)	0.8 NNE;RR W	1370	18	E.W blkd.
White Pine (Tenn)	0.5 S;hwy E	1160	18 S1	80 oct.
Mc Coig(Newport, Tenn)	5 W;hwy N	1330	16	P-line E
London (Tenn)	1.8 WSW;riv 1 N	800	14 S1	80 oct
La Follette(Jacksboro,Tenn)	1.5 NE;RR NW	1129	18 S1	80 oct
Clinton-Oak Ridge(Clinton)	4.6 S;rd S	860	20 S4	80 oct.P-line WSW;ENE blkd.
Churchill (Tenn)	1 SE;riv 1 S	1240	22 S1	80 oct. (Tenn)
Mt. Holly (N.C.)	2.5 NW;hwy,RR E	850	20	
Nesbitt (Gaffney,S.C.)	2.1 WNW;hwy SE	800	15 S1	80 oct,E,erg only.NNE blkd.
Cox Fld (Independence,Va.)	4.5 WSW;riv S	2459	16 S2	80 oct,Hill E,W.
→ Cumberland Valley(Lynch,Ky.)	2.8 NNE;hwy N,W	1530	18 S2	80 oct,Mtns ENE,WSW.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ∗ - Guarded only when associated tower inoperative.

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


KNOXVILLE 93
CINCINNATI 61
NASHVILLE 91
CHARLOTTE 95
PULASKI CO
RICE
HARLAN
GUMBERLAND VALLEY
POWELL VALLEY
TO PAYNESVILLE
COMBS
CHILHOWIE
COX
GALAX
MIDDLESBORO
CHURCHILL
PIERCE
TRI-CITY
278KC. 118.7MC.
TRI-CITY
221
116.1MC.
PEMBERTON
LA FOLLETTE
KNOXVILLE
257
116.1MC.
MORRISTOWN
JOHNSON CITY
RENDEZVOUS
ELKIN
NO. WILKESBORO
PIEDMONT
28
ISLAND
WHITE PINE
LAKESIDE
Mc COIG
CLINTON-OAK RIDGE
KINGSTON
28
MICAVILLE
MORGANTON-LENOIR
RIVERSIDE
HICKORY
STATESVILLE
FRANCIS MARION
NEWTON-CONOVER
McGHEE-TYSON
278 KC. 118.7,
126.18 MC.
LOUDON
JOSEPHSON
OWENS
BLACK MTN.
GRIGG & BYNUM
MOORESVILLE
LINCOLNTON
GREENSBORO
TALLASSEE
23
GREY
SYLVA
ASHEVILLE-HENDERSONVILLE
RUTHERFORD
Mc DONALD
CHARLOTTE
212
116.1MC.
BURRIS
BELMONT
MT. HOLLY
BROCKEN BROUGH
CANNON
HENDERSONVILLE
BRIDGES ARPK.
SPINDLE CITY
BYERS
KINGS MTN.
SPARTANBURG
248
116.1MC.
H. AND H. FLY. SVC
FRANKLIN
WATERLEVEL
CHESNEE
BRIDGES
FAIRFOREST
GASTONIA MUN
DOUGLAS
396 KC. 118.9,
126.18 MC.
NESBITT
RODDEY
COPPERHILL-BUCKTOWN
GREENVILLE
281
116.1MC.
PARIS MTN.
GREENVILLE
MEMORIAL
317 KC. 118.7
126.18 MC.
GREENVILLE AAB
272 KC. 126.18 MC.
CHESTER
KING
BRATTON
ANDERSON
236
116.1MC
On request
LE TOURNEAU
BARKSDALE
COULBOURN
JASPER
CA
BOLD SPRING
ANDERSON
ASHLEY
ATLANTA 117
CHARLESTON 119
CHATTANOOGA
341
BLUE 2
TO SMITHVILLE
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
VARIATION: 1°E TO 2°W
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA
STATUTE MILES
10
0
10
20
30
40
50
155
140
BLUE 39
6000
000
EVEN
98
67
7000
245
PULASKI
272
CHILHOWIE
43
235
5000
RED 27
192
101
65
5000
243
GREEN 5
335
83
3000
212
60
12
3000
148
182
92
272
GREEN 6
238
22
R.7
89
269
33
42
61
179
32
27
365
58
114
8
328
359
R.7

CHARLOTTE

NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-DTV;359°, 1.7	(3);116.1,122.1
DOUGLAS ARPT. (Charlotte)	396(126.18, 118.9)	C	(4); 126.18,118.9,122.5
GREENSBORO	365(GW)(116.1)	SBRAZ-DTV	(3);116.1,122.1
Greensboro-High Point Airport	219(126.18, 116.7)	C; 241°, 1.5	(4);118.7,126.18,122.5
LUMBERTON	278(FNE)	MH	(3)
POPE (Ft. Bragg) (Army)	338(DOP) (116.1)	SBMRAZ-V ;355°,2.3	(3); 116.1
Pope Fld	396(126.18)+	CA(ILS);355°, 2.3	(3);126.18
RALEIGH (Raleigh-Durham Arpt.)	350(DU)(116.1)	SBRAZ-DTV(ILS) 299°, 3.8	(3);116.1.122.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18, 118.3)	C	(4); 126.18,118.3,122.5
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	SMRLWZ;328°,5.1	
[redacted]			
FLORENCE	320(FL)(116.1)	SBMRLZ-DTV, 292°,1.7	(4);116.1,122.1
[redacted]			
DANVILLE	344(VE)(116.1)	MHTV	(4);116.1 (Manned 8-24)
PRESTON GLENN (Lynchburg)	248	C	(4)
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-DTV, 247°, 2.1	(4); 116.1
ROANOKE (Woodrum Field)	371(RO)(116.1)	SBRAZ-DTV, 349°,1.8	(3); 116.1
WOODRUM FIELD (Roanoke)	278 (118.5)	AC	(4); 122.5,118.5,126.18
NEW RADIO FACILITIES			
RALEIGH-DURHAM (Raleigh),N.C.	266(126.18, 118.3)	C	(4);126.18, 122.5,118.3

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
POPE(A)				DECOMMISSIONED		
RALEIGH,	109.9	333.8	48°	IM-	MM- ·-·- (0.62)	OM- ––(4.43)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1. 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W,RR N	450	25 S2	80 oct E,SE,W,NW blocked
Asheboro	1.8 SSW	864	18 S6	80 oct. Hwy NW.
(A)Balloon (Ft.Bragg)(A)	1 NNW,RR E	225	22	
Belmont	1.3 NE,riv E	740	20 S6	80 oct.No sto.P-line WNW
Bridges(Kings Mtn.)	1 SW,RR SE	930	24 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW, RR E	800	22 S6	80 oct.Pole line SSE.
Brooks(Red Springs)	1.2 N,RR SE	208	26	
(P)Burlington	4 SW,hwy W	638	37h L5 S6	80 oct.Pole line S.
Burris(Lincolnton)(NC)	2.2 SW,RR SE	960	10	UNUSABLE.
(A)Camp MacKall AAF (A) (Hoffman)	3.5 E	350	50h	TEMP INACT. NO FACS.
Candor (NC)	1.1 E,RR N	710	19	NE,SW,WNW blkd.
Cannon (Charlotte)	3 WNW,hwy S	786	24 L S6	80,91 oct. Flood lgts req
Carolina Arpk Inc. (Kannapolis)	3.1 SSE;RR W	730	19 S3	80 oct.
Caswell (Yanceyville)	3.2 W; hwy E	640	20 S2	80 oct. line W, S
Cpley (Concord)	2 SW,	790	12 S2	80 oct. Trees ESE.F wr
Colonial Flying Svc. (Mt. Airy)	1.4 NNE, Quarry SE	950	20 S2	80 oct.Pole line,trees NNW.
Concord	4.5 ESE,rd E,S	700	19 S6	80 oct.Pole line NE.
Delta Air Base (Charlotte)	6.7 E.hwy S	750	31 S8	80,91 oct.No sto.Poles NW
(P) DOUGLAS(Charlotte)	5.5 W,RR N	745	52h R2 L5 S3	80,91 oct.
Durham Airways	7.8 N,RR 2E	480	15 S6	80 oct.Trees N,S.
Elkin	2.8 SW,RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Erwin	1 SW,riv SW	195	30 S4	80,91 oct.
Fairchild (Burlington)	1.5 E.RR S	640	35h S4	80 oct.Trees N
Fayetteville	5 N,hwy E	238	36 L1 S6	80 oct. Pwr line E.
Fraley (High Point)	2.5 SSE,RR W	1000	17 S6	80 oct.Strips rough. Trees SE.
Gastonia	1.3 SW			ABANDONED
Gastonia, mun.	4.5 SSE,hwy SW	800	30h L S1	80,91 oct. Port. rnwy lgts on req.
Gilmore No. 1(Julian)	0.6 SE,RR N	760	10 S1	80 oct.
Gilmore No.2 (Silver City)	4.1 SE,RR W	550	22	Trees N,S blkd.
(N) GREENSBORO-HIGH POINT	8 WNW,RR SW	905	40h R2 L5 S6	80,91,100 oct. NATS
Hickory	2.2 W,RR S	1180	40h S6	80,91 oct.
Hogan (Chapel Hill)	3.8 NW;hwy E	530	20 S2	80 oct.Trees SSE.
Horace Williams (Chapel Hill)	1.3 NNW,RR W	502	49 S4	80 oct.
Kannapolis	2.8 N,RR E	750	23 S6	80,91 oct.Trees WNW.
Kings Mountain	3.5 SW,RR SE	980	23 S2	80,91 oct.
Knollwood (Pinehurst)	5 NE,hwy W	455	53 L5 S4	80,91 oct.
Laurinburg-Maxton (Maxton)	3.5 N,riv E	220	65h L5 S6	80,91 oct. No flood lgts. Data unver. Lgts on req.
Lee County (Sanford)	1.5 SE;RR W, S	400	19 S4	80 oct. Pwrline sur fld.
Lexington	2.3 SW,RR E	735	21 S1	80 oct.Pole lines SSW.
Lillington	1.1 NNE,RR S	210	15 S2	80 oct.Pole line NW.
(P)Lumberton	3 WSW	126	50h R1 L2 S6	80,91,100 oct.Hwy NNW.
McLean Brothers (Gibsonville)	0.5 SW,hwy NE	723	18 S6	80 oct
Mayo (Mayodan)	0.8 W,riv E	900	24 S2	80 oct.P-line N,S.Trees W
Mocksville	2 W,RR E	800	14 S2	80 oct.
Monroe, com.	2.8 SSE	600	20 S2	80 oct.
Monroe, mun.	2 NNW,hwy S	680	29 S4	80,91 oct. P-line SE,SSW, WSW
Mt. Airy	2.2 SW,RR E	1050	20 S2	80 oct.
Newton-Conover (Newton)	2 N; RR, hwy E.	1030	15 S6	80 oct NNE blkd. Trees ENE.
North Wilkesboro	1.3 WSW,riv S	970	15 S6	80 oct.
Parkers (Eagle Spgs)	1.8 NW,RR	700	40 S1	80,91 oct.SW blkd.
Pharis (Durham)	8.1 NE,RR E	310	26 S4	80,91 oct. Pole line, trees NE,WNW,SW.
Pine Acres (Laurinburg)	3.1 SW,RR NNE	205	12 S1	80 oct.
Plaza (Charlotte)	5 NE,RR N	740	20 S6	80 oct.P-line S
(A)Pope (Ft.Bragg)(A)	2 NW,riv NW	220	52h R3 L5 S6	73,100 oct
Raleigh	3.3 SSW,RRW	364	28h S6	80,91 oct.
RALEIGH-DURHAM (Raleigh)	10.5 NW,RR W	435	45h R3 L6 S4	80,91,100 oct
Reidsville	3.2 SE,riv S	822	25 S6	80 oct.
(P)Rockingham-Hamlet	3.5 S,RR E	358	46 S2	80 oct.
Routh (Greensboro)	3.3 S,RR E	840	18 S4	80 oct. Trees NE,E,SW blkd.
Roxboro	7 NE,RR 2.3W	600	24 S2	80 oct.
Salisbury	3 SW,RR E	764	25 L2 S6	80,91 oct.Trees ESE.
Skyline (Southern Pines)	4.5 NE,RR NW	460	21 S6	80 oct. N,S blkd.
(P)SMITH REYNOLDS (Winston-Salem)	2.8 NNE,RR W	969	67h R2 L5 S6	80,91 oct. Rnwy data unver.
Spindle City (Gastonia)	3.2 E;hwy N	795	19 S2	80 oct.
Stanly (Albermarle)	6 WNW,hwy S			ABANDONED
Statesville	3.6 WSW	990	27 S2	80 oct. Trees N. RR SE.
Thomasville	3.5 ESE,	860	14 S2	No fuel. hwy N.
Tri-City (Draper)	1.2 W,riv W	560	26 S2	80 oct.
Upchurch(Raeford)	0.5 NNE	255	15 S2	80 oct. RR SSW.
Wadesboro	3.7 NNE	220	18 S4	80,91 oct. RR S
Warf (Reidsville)	3.8 SW,hwy W	820	23 S2	80 oct. Trees NNW,SSE.
Whiteville	3.7 S,RR N	60	18 S1	Ltd 80 oct. blkd.
Young Airfield (Oxford)	1.8 SW,RR NW	475	18 S1	Ltd 80 oc P-line E

SOUTH CAROLINA

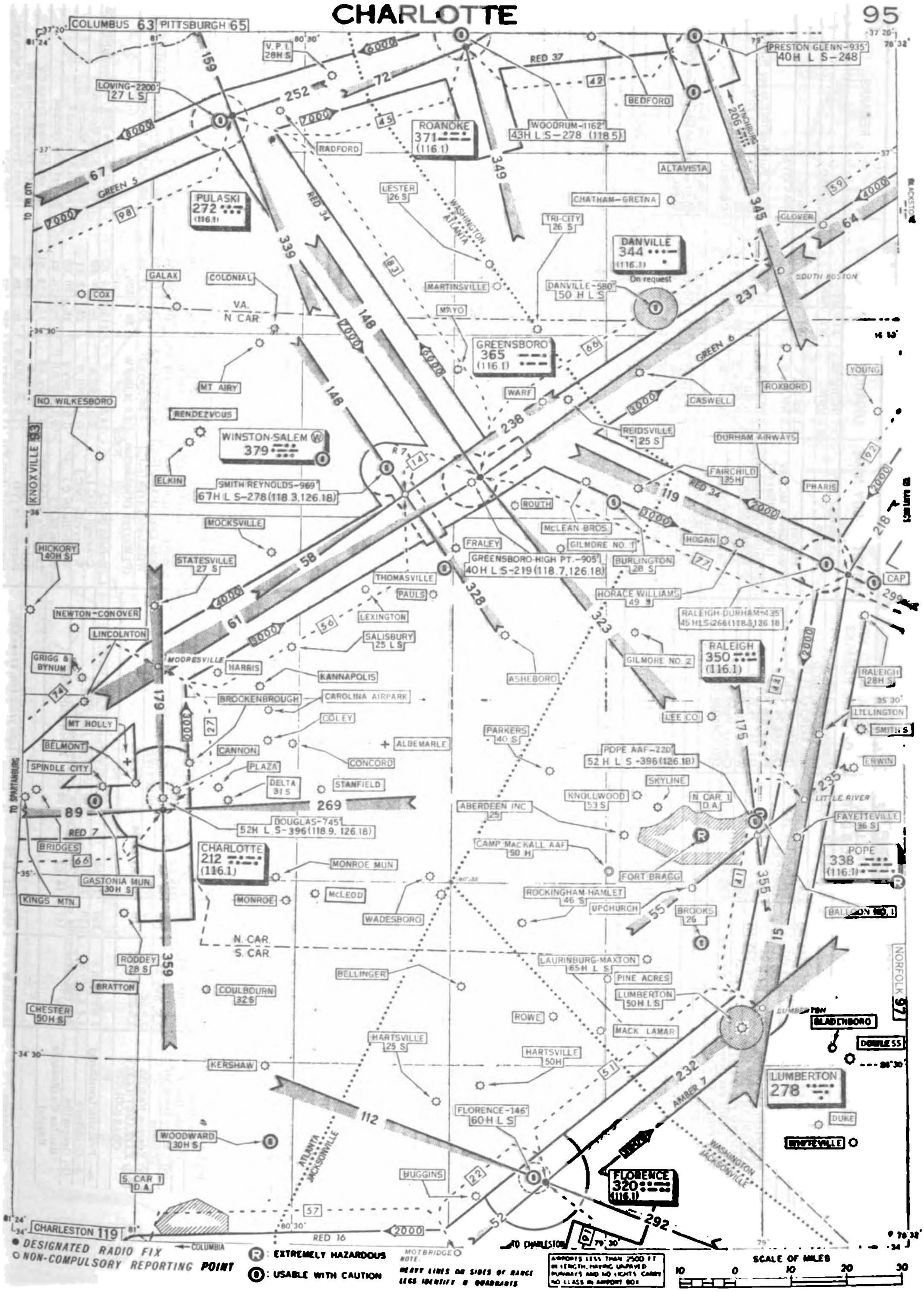
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Chester	5 NNE,RR W	709	50h S4	80 oct. No sto.
Coulbourn (Lancaster)	1 SSW,hwy SW	560	32 S4	80 oct.
Florence	3.5 E.RR SW	146	60h R1 L5 S1	80,91 oct.
Hartsville	2.1 NNE.	230	25 S2	80 oct. Hwy S.
(P)Hartsville (Darlington)	10 N,hwy E	190	50h	
Huggins (Timmonsville)	1.5 ENE. hwy NW	149	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S,RR W	475	21	
Little Rock	2.5 SE,hwy W			ABANDONED
Lynch Bellinger (Cheraw)	4.2 WNW, RR S	400	22 S4	80 oct.No sto.Pole line S, WSW.
Palmer (Bennettsville)	3.4 NNW, hwy E			ABANDONED
Roddey (Rock Hill)	2.7 SW,RR NW	664	28 S4	80,91 oct. Pole line S.
Rowe (Bennettsville)	1.5 NE	190	29 S5	80,91 oct. Trees SW.
(P)Woodward (Camden)	2.9 NE,hwy E	300	30h S1	80,91 oct.
[redacted]				
Altavista	5.7 ENE;riv 2S	650	21	
Bedford	1.3 WSW,	1050	16	PRIVATE. RR N
Clover	3.5 SSW riv E	350	20	Trees E,W,SE,NW. House E,SE.
(P)Danville	3.4 ESE	580	50h L5 S6	80,91 oct.
Galax	6.5 S,hwy E	2575	27 S4	80 oct.
Lester (Martinsville)	0.8 NNW, RR N	1000	24 S6	80,91 oct.20-75' bldgs SE.
Loving, 35A, NA-WA (Pulaski)	2.8 N,RR SE	2200	27 R1 L3 S4	80 oct. Poles SW.No sto.
Martinsville	3.5 SSE, RR NE	800	16 S2	73 oct.
(P)PRESTON GLENN (Lynchburg)	6.7 SSW, RR SE	935	40h R2 L5 S6	80, 91 oct.
V.P.I (Blacksburg)	1.3 SSE,RR W	2100	50h L S6	80,91 oct. Flood lgts only 100 oct army.
(P)WOODRUM (Roanoke)	4.2 NNW	1162	43h R2 L5 S6	80,91,100 oct. Rd W.

NEW AIRPORTS

Harris (Mooresville) (N.C.)	2.5 ESE; RR NW	900	14 S2	80 oct.
Mc Leod (Wingate)(N.C)	1.5 SE; RR N	365	22 S4	80 oct. No sto
Pauls Air Park (Thomasville,N C)	6.5 SSE	775	16	80,91 oct.
Cap (Raleigh,N.C.)	3.5 NNE; RR E	460	35 S6	80,91 oct.High trees S, SW appchs.NNE blkd.
Duke Fld (Chadbourn, N.C.)	1 N;RR SW	96	20 S4	80 oct. Trees N.S.
Radford, (Va.)	1 SW;RR N;W	1950	18 S1	80 oct.P-line W
Grigg & Bynum Arpk (Marion,N.C.)	2.5 S;hwy W	795	18	
Stanfield (N.C.)	1.3 N;hwy E	700	18 S2	80 oct.
Lincolnton (N.C.)	3.2 ENE	1500	30 S6	80 oct. P-line SSW
Rendezvous(Jonesv'l)	1.0 E;riv N	1000	22 S1	80 oct. NW blkd.(N.C)
Bladenboro (N.C.)	0.7 NE;RRW	110	24 S2	80 oct.
Smith's (Coats,N.C.)	1 N;RR	288	13 S1	80 oct. P-line SSE,NNW
Dowless(Abbotsburg)	0.2 N;RR S	99	24 S1	80 oct. SE, WS / blkd.
Mack Lamar(Clio,S.C)	2.3 NE	172	21 S2	80 oct.E,SE blkd. (N.C)
Chatham-Gretna (Va)	6 SE;ditch E	550	24 S2	80 oct.Trees ENE,WSW,W
Albermarle (N.C.)	1.7 NW	565	37	Data unver.
Cox Fld.(Independence, Va.)	4.5 WSW; riv S	2459	16 S2	80 oct.Hill E,W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII INC (not charted). → NEW OR REVISED DATA

CHARLOTTE


COLUMBUS 63 PITTSBURGH 65
V.P.I. 28H S
LOVING-2200' 27 L S
PRESTON GLENN-935' 40H L S-248
RED 37
BEDFORD
LYNCHBURG 206
ROANOKE 371 (116.1)
WOODRUM-1162' 43H L S-278 (118.5)
RADFORD
ALTAVISTA
PULASKI 272 (116.1)
LESTER 26 S
WASHINGTON ATLANTA
CHATHAM-GRETNA
TRI-CITY 26 S
DANVILLE 344 (116.1) On request
GLOVER
SOUTH BOSTON
GALAX
COLONIAL
COX
VA.
N CAR
MARTINSVILLE
DANVILLE-580' 50 H L S
MAYO
GREENSBORO 365 (116.1)
MT AIRY
WARF
CASWELL
ROXBORO
YOUNG
NO. WILKESBORO
RENDEZVOUS
WINSTON-SALEM 379
REIDSVILLE 25 S
DURHAM AIRWAYS
ELKIN
SMITH REYNOLDS-969' 67H L S-278 (118.3,126.18)
FAIRCHILD 35H
PHARIS
ROUTH
McLEAN BROS
MOCKSVILLE
FRALEY
GILMORE NO. 1
HICKORY 40H S
GREENSBORO-HIGH PT.-905' 40H L S-219 (118.7,126.18)
BURLINGTON 28 S
HOGAN
STATESVILLE 27 S
THOMASVILLE
PAULS
HORACE WILLIAMS 49 S
CAP
NEWTON-CONOVER
LEXINGTON
RALEIGH-DURHAM 435' 45 H L S-266 (118.3,126.18)
LINCOLNTON
SALISBURY 25 L S
GILMORE NO. 2
RALEIGH 350 (116.1)
GRIGG & BYNUM
MOORESVILLE
HARRIS
KANNAPOLIS
ASHEBORO
RALEIGH 28H S
BROCKENBROUGH
CAROLINA AIRPARK
LEE CO
LILLINGTON
MT HOLLY
COLEY
PARKERS 40 S
BELMONT
CANNON
ALBEMARLE
POPE AAF-220' 52 H L S-396 (126.18)
SMITHFIELD
SPINDLE CITY
PLAZA
CONCORD
SKYLINE
ERWIN
DELTA 31 S
STANFIELD
KNOLLWOOD 53 S
N CAR 1 D A
ABERDEEN INC 25
LITTLE RIVER
FAYETTEVILLE 36 S
DOUGLAS-745' 52H L S-396 (118.9, 126.18)
CAMP MACKALL AAF 50 H
POPE 338 (116.1)
BRIDGES
FORT BRAGG
GASTONIA MUN 30H S
MONROE MUN
CHARLOTTE 212 (116.1)
KINGS MTN
MONROE
McLEOD
ROCKINGHAM-HAMLET 46 S
UPCHURCH
BROOKS 26
WADESBORO
RODDEY 28 S
LAURINBURG-MAXTON 65H L S
BELLINGER
PINE ACRES
BRATTON
COULBOURN 32 S
LUMBERTON 50H L S
CHESTER 50H S
ROWE
MACK LAMAR
BLADENBORO
HARTSVILLE 25 S
HARTSVILLE 50H
DOUBLE SS
KERSHAW
LUMBERTON 278
FLORENCE-146' 60H L S
DUKE
WOODWARD 30H S
ATLANTA JACKSONVILLE
HUGGINS
FLORENCE 320 (116.1)
S CAR 1 D A
CHARLESTON 119
COLUMBIA
RED 16
MOTBRIDGE
TO CHARLESTON
TO SPARTANBURG
TO TIM CITY
BLACKSTONE
NORFOLK
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO — NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS. OF OPER., REMARKS
AYDLETTE FM (Navy)	(-)	FM; 64°, 14	Weeksville NAF
→ BOGUE MCAAF			DECOMMISSIONED
CAMP LEJEUNE OLF(New Riv.)	3295(142.74)	CN	3105.4495;142.74 (8-1630).
CHERRY POINT (Navy)	224 (NKT)	BMRLZ;141°,4.0	(3); 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN(GCA)	(3); 142.74 ,126.18
EDENTON FM (Navy)	(- - -)	FM; 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
MANTEO FM (Navy)	(- -)	FM; 139°,32	Weeksville NAF
NEW BERN FM (Navy)	(- - - -)	FM; 321°,13.6	Cherry Point MCAS
→ OAK GROVE MCAAF (Pollocksville)			DECOMMISSIONED
SOUTH MILLS FM (Navy)	(- - - -)	FM; 319°, 17.5	Weeksville NAF
WEEKSVILLE (Navy)	524(NFG),	MRL	(3);142.74(V- 7-19)
Weeksville NAF-LTA	3295 (142.74)	CN; 319°, 0.5	3105; 142.74 (8-1630)
[redacted]			
BLACKSTONE	326(KT)(116.1)	BMLZ-DTV;133°,5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM; 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM; 276°, 16	Norfolk
→ LANGLEY FIELD (Army)	221(DLY)	SBMRAPZ-DTV;102°,3.8	(3)
NORFOLK	239 (NW)(116.1)	SBMRLZ-DTV;44°,3.3	(3);116.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ; 276°,2.9	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs.
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h L S6	80,91 Oct. Flood lgts. T rees SE
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct.Fld lgts prior req.(Wilmington
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	CLOSED.
Burgaw	1.2 W,hwy N,S	30	22 S1	80 oct. Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jacksonville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS (N)	2.5 SW,riv N	29	76h R2 (L6)S6	100 oct.
Clinton	2 N, hwy W	160	24 S6	80 oct.Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
(CG) ELIZABETH CITY CGAS (CG)	3.5 SE,riv NE	10	72h R1 L6 S4	100 oct.
→ Franklin(Louisburg)	2 WSW;RR S	290	17 S2	80 oct. P-line SSE,Hill NNW.
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	See Pitt-Greenville under "New Airports"-name changed.			
Halifax Co.(Roanoke Rapids)	3 SW,	147	18 S2	80 oct. Trees ENE,NNW
Henderson	3 S,RR W	490	21 L S6	80,91 oct.Lgts prior req.Trees ESE, WNW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Jacksonville (NC)	3.7 NE,RR SE	51	14	
Kinston	4.2 NNW	93	50h	CLOSED
Mt. Olive	1.1 NE,RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Pollocksville) (N)	2.5 NW,riv S	27	40h	INACTIVE.
Peiffer(Wilmington)	6 ESE,hwy N	10	18 S1	80 oct.Poleline NNE,trees N,S,SW.
ROCKY MOUNT	2.3 N,RR E	114	40h S3	80 oct. Use rnwys only.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E.
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	CLOSED.
SIMMONS-KNOTT	2.5 SSE	19	40h S1	80, 91 oct. (New Bern)
Tarboro	2 ESE,riv NNW	50	30 S6	80,91 oct.Flood lgts.P-line NNE,NE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct. No sto.
★ Warrenton Int,46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	See Warren Arpt under "New Facilities" - name changed			
(N) Weeksville NAF(LTA)	2.2 NE	7	37h R2 L S4	80-100 oct.
(P) Wilson (N)	4.2 NW,hwy E	161	45h S6	80 oct.
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct.No sto.Pole line S, SW.Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S2	80 oct.

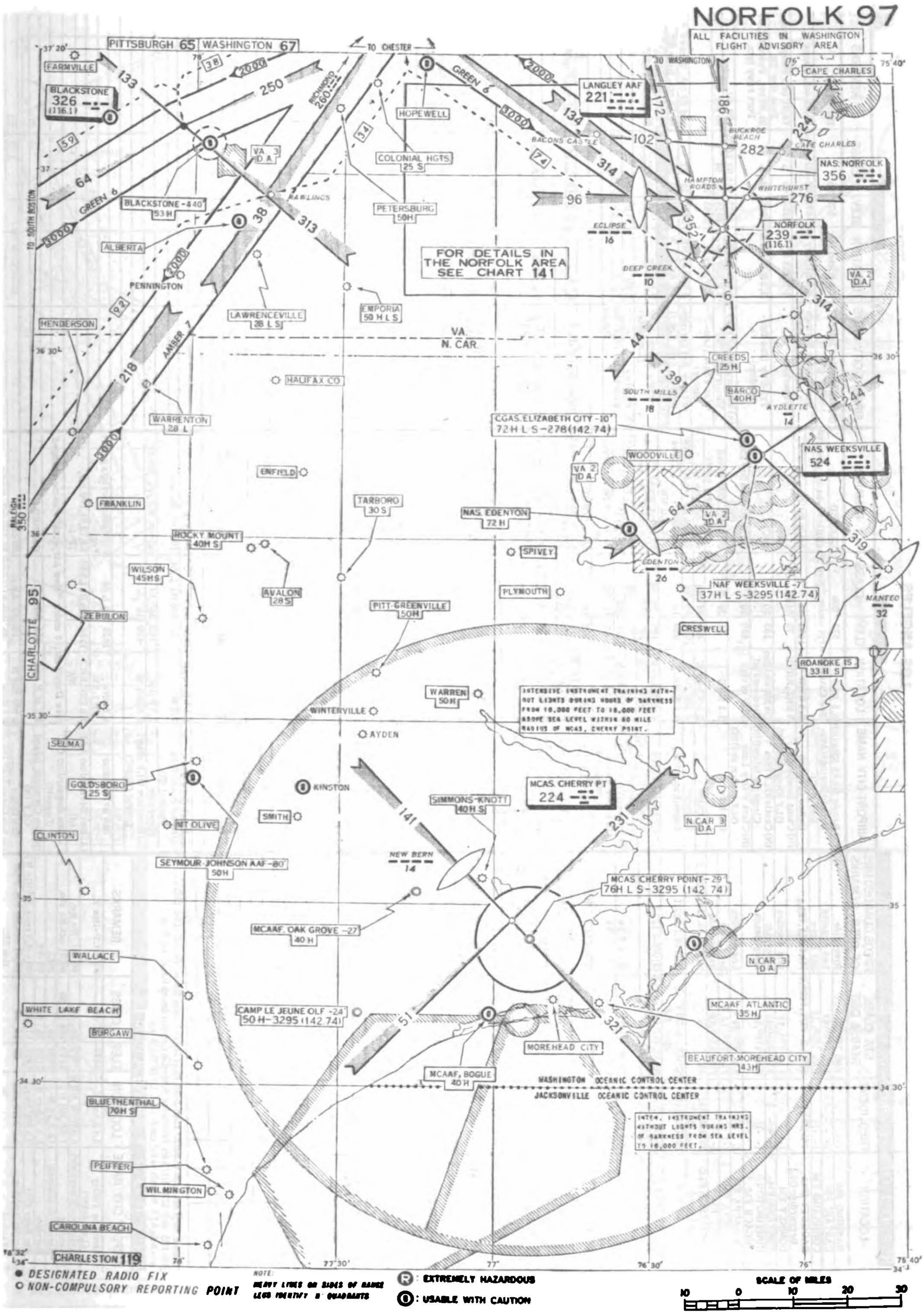
VIRGINIA

Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone	2.5 ESE,hwy N	440	53h R1 L5	Rnwy lgts on req.ARMY TEMP INACT;
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW, (NC) CIVIL FACS.
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
Creeds	1.5 E,bay E	10	25h	
Emporia	3 E, hwy S	127	50h L5 S4	80,91 oct.
Hopewell	3.3 E,riv N	20	24 S6	91 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317	28 L3 S6	80,91 oct.
Petersburg	6.2 WSW,RR N	190	50h	
→ Scott (Williamsburg)	1.3 NNW,RR SW			ABANDONED
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29 S4	80,91 oct.20-60' trees NE,SW,W.(NC)

NEW AIRPORTS

Farmville	2.5 NW,riv N	325	20 S6	80 oct.Hill W.
(P) Pitt-Greenville, (Greenville,N.C.)	1.8 NNW;RRE	25	50h L3 S1	80,91 oct.Lgts on req.
Cape Charles (Va)	1.8 E;RR S	15	22 S2	80 oct.NW blkd,House SSE.
Roanoke Isl.(Manteo,N.C.)	1.5 NW;rd NE	12	33h L5 S4	80,91 oct.Lgts on req.Data unver.
Morehead City,(N.C.)	5 WNW;RR N	15	23 S4	80 oct.No sto.All appchs blkd.
→ Piney Grove (Kinston,N.C.)	2.1 SSW;riv NE			ABANDONED.
Smith Fld (Kinston,N.C.)	3.7 SW;riv NW	40	26 S4	80 oct.P-line ENE
White Lake Beach,(N.C.)	0.2 NW;lake S	75	18 S1	80 oct.No sto.(White Lake) E,W blkd.
Wilmington Arpk (N.C.)	3 SE;hwys N	20	27 S4	80 oct.N & E blocked.
(P) Warren (Washington, N.C.)	1.8 N,hwy W	38	50h	
→ Enfield (N.C.)	1.8 E	113	15 S2	80 oct.P-line SSW. Trees NNE,SSW.
Creswell (N.C.)	0.5 N;RR S	15	19 S2	80 oct.S,SE blocked
Winterville (N.C.)	0.5 E;RR W	25	12 S1	80 oct.NW blocked.
Woodville (N.C.)	1.5 W;hwy S	15	20 S6	80 oct.S blocked
→ Ayden (N.C.)	0.7 SSW;RR E	25	20 S1	80 oct.ESE blocked
Thalia(Va.Beach,Va)	8 W;hwy 58	17	23 S1	80 oct.NE blkd.Trees SW
Roosevelt(Portsmouth,Va)	4.2 W;RR S	15	33 S6	80 oct Tree SE.P-line NW
Portsmouth (Va)	7.8 WSW;RR S	20	35 S1	80 oct Trees sur fld.Soft when wet.
Pennington(Brodnox,Va)	1.2 NWhwy NNE	325	21	NNE blkd.
Peanut City(Suffolk,Va)	2.8 N;hwys SE	40	25 S2	80 oct.SSW blkd.Trees NNE
Norview(Norfolk,Va)	4.5 NNE	16	24 S6	80 oct. P-line S,

NORFOLK 97


ALL FACILITIES IN WASHINGTON FLIGHT ADVISORY AREA
PITTSBURGH 65 WASHINGTON 67
TO CHESTER
TO WASHINGTON
TO SOUTH BOSTON
FARMVILLE
BLACKSTONE 326 (116.1)
BLACKSTONE -440 53H
ALBERTA
PENNINGTON
HENDERSON
WARRENTON 28 L
HOPEWELL
COLONIAL HGTS. 25 S
PETERSBURG 50H
RAWLINGS
LAWRENCEVILLE 28 L S
EMPORIA 50 H L S
GREEN 6
AMBER 7
RICHMOND 260
VA. 3 D A
LANGLEY AAF 221
BACONS CASTLE
CAPE CHARLES
BUCKROE BEACH
HAMPTON ROADS
WHITEHURST
NAS. NORFOLK 356
NORFOLK 239 (116.1)
ECLIPSE 16
DEEP CREEK 10
FOR DETAILS IN THE NORFOLK AREA SEE CHART 141
VA. 2 D A
VA
N. CAR.
HALIFAX CO
CREEDS 25 H
SOUTH MILLS 18
BARCO 40H
AYDLETTE 14
CGAS. ELIZABETH CITY -10 72 H L S -278 (142.74)
NAS. WEEKSVILLE 524
WOODVILLE
ENFIELD
FRANKLIN
TARBORO 30 S
NAS. EDENTON 72 H
SPIVEY
EDENTON 26
NAF WEEKSVILLE -7 37 H L S -3295 (142.74)
ROCKY MOUNT 40H S
WILSON 45 H S
AVALON 28 S
PLYMOUTH
CRESWELL
MANTEO 32
PITT-GREENVILLE 50H
ROANOKE IS. 33 H S
RALEIGH 350
CHARLOTTE 95
ZEBULON
WARREN 50 H
WINTERVILLE
AYDEN
SELMA
GOLDSBORO 25 S
KINSTON
SIMMONS-KNOTT 40 H S
MCAS. CHERRY PT 224
SMITH
MT OLIVE
CLINTON
NEW BERN 14
SEYMOUR-JOHNSON AAF -80 50H
MCAS CHERRY POINT - 29 76H L S - 3295 (142 74)
N CAR 3 D A
MCAAF, OAK GROVE -27 40 H
WALLACE
CAMP LE JEUNE OLF -24 50 H - 3295 (142.74)
MCAAF ATLANTIC 35 H
MOREHEAD CITY
BEAUFORT-MOREHEAD CITY 43H
MCAAF, BOGUE 40 H
WASHINGTON OCEANIC CONTROL CENTER
JACKSONVILLE OCEANIC CONTROL CENTER
WHITE LAKE BEACH
BURGAW
BLUETHENTHAL 70H S
PEIFFER
WILMINGTON
CAROLINA BEACH
CHARLESTON 119
INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 10,000 FEET TO 18,000 FEET ABOVE SEA LEVEL WITHIN 60 MILE RADIUS OF MCAS, CHERRY POINT.
INTEN. INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM SEA LEVEL TO 18,000 FEET.
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF BANDS LESS FOR ENTRY & DEPARTURE
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

LOCATION	FREQ. IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BANNING FM	(-)	FM, 76°,25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°,41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (San Bernardino Co.)	365(DG)(vhf)	SBRAZ-VDT, 149°,0	(4);116.1,122.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°,16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°,11	Long Beach
LA HABRA FM	(. . -)	FM, 77°,21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°,42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, 118.3)	AC	(4);126.18,118.3, 122.5
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV 298°, 3.9	(3);116.1,122.1
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTAV 244°,3.9	(3);116.1,122.1
LOS ANGELES	109.1(LA)	BVAR; 88°,2.0	
MARCH FIELD (Riverside)	201 (126.18)+	CA ◆ :49.0S	(3); 126.18
MIRAMAR MCAS (San Diego)	239(142.74)	CN(GCA)	(3); 142.74
MOJAVE NAS	3295(126.18, 142.74)		DECOMMISSIONED
MT. LAGUNA	254(TN)(116.1)	BHTV	(4); 116.1(Cont)
MUROC (Army)	350(DUC)	BMRL	
Muroc AAF	219 (126.18)	CA; 64°,2.2	(3); 126.18
NEWHALL (Int.)		SBMRL-DTV 317°,0.1	(4);116.1,122.1
OCEANSIDE	326(OC)(116.1)	BHTV	(4); 116.1(Cont)
OCEANSIDE FM	(- - - -)	FM, 325°,34	San Diego
PALMDALE	332(PA)(116.1)	SBMRAZ-DTV, 216°, 2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105;142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Field)	388(RV)(vhf),	SBMRAZ-DTV, 128°,2.9	(4);116.1,122.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
SAN CLEMENTE ISLAND OLF.			DECOMMISSIONED
SAN DIEGO (Lindbergh Field)	224(SC)(vhf)	SBRAZ-DTV, 139°, 2.3	(3);116.1,122.1
San Diego NAS	266 (142.74)	CN	(3);126.18,142.74
San Diego NAS (Seaplane)	2870	CN	2870
TRONA (Int.)			DECOMMISSIONED
VICTORVILLE AAF	278 (126.18)	CA	(3), 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.90 mcs.

AIRPORTS CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S,hwy E	2470	37 S6	80 oct;P-line E.
Arlington(Riverside)	4.5 WSW,RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE,RR N	2190	52h L5 S5	80,91 oct.No sto.
Barnes(Rosamond)	12 E,rd N	2300	38	(NC)
Barstow	1.8 N,hwy S	2150	24 S6	80 oct.
Big Bear City	0.5 NW,hwy S	6850	37 S1	80 oct,Trees E,hills W.
Borderland(San Ysidro)	1.5 WNW,RR W	80	18 S6	80,91 oct.No sto. Pole line SE.
Boron	0.5 NE,RR S	2550	21 S1	80 oct. Poles E. Data unver
Brown NAAS (Otay)(N)	5.5 ESE	523	60h	CLOSED
Buffalo Springs(Avalon) (NC)	See Catalina Arpt under "New Facilities"-name changed			
Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
Camp Pendleton OLF (Oceanside)(N)	6 NNE,RR SE	75	64h L S1	
Castle OLF (San Clemente Island)(N)	On NW end San Clemente Isl.	163	20	(NC)
Clark's Dry Lake OLF (Salton Sea)(N)	25 W of ctr.	450	50	On W portion Dry Lake. (NC)
Del Mar	1.1 NNE	11	26 S1	80,91 oct.1000' paved rnwy. Data unver.
El Cajon	2.5 N,hwy W	450	23 S6	80,91 oct. No sto.
Elsinore	1 SSE,RR N	1256	26 S4	80 oct.No sto.Hills NW.
Engel(Escondido)	1.5 W,RR N	630	19	CLOSED. . ... Trees SE,hill NW.
Gibbs(San Diego)	7 NNE,hwy W	405	29 S6	80,91 oct.Poles E.
Gillespie(El Cajon)	2 NN . ;rd E	385	54h	Towers W. Santee.
Harmon(San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto. INACT
(A) Hawes(Victorville)(A)	27.5 N,RR N	2319	56h	CLOSED
Hi Hi Sky Ranch (Oceanside)	1.5 ENE.RR S	48	18 S6	80,91 oct.No sto.Trees SW.
(A) Helendale(Victorv'l)	20 N	2508	56h	(A) CLOSED
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwr line W
(N) Inyokern NAF (N)	0.5 WNW,RR E	2455	72h	NATS
Jamacha(La Mesa)	6.8 ESE,riv N	520	18 S6	80,91 oct. Hills E.
La Cresta(Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct.Data unver. Flare pots prior req.
Lake Elsinore(Elsinore)	4 SSE,lk W	1252	15 S4	80 oct. No sto.
Lakeside				ABANDONED.
La Mesa	2 WSW,hwy N	500	27 S4	80 oct.Pole line SSE.
Lancaster	0.5 NW,RR E	2330	22 S4	73 oct.No sto.Poles E,S
La Pressa(La Mesa)	4 S,hwy W	275	19 S4	80 oct.
Liberty(Rosamond)	4.1 S,RR E			ABANDONED.
LINDBERGH (San Diego)	2 W.	14	88h R2 L5 S6	80,91 oct.AIRPT OF ENTRY.
(A) March (Riverside)(A)	8.8 SE,RR SSW	1533	70h R2 L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEARSTN
McCormick (San Marcos)	1.5 WSW,RR N	550	21 S6	80,91 oct.Poles E.
(A) Mirage(Victorville)(A)	See El Mirage under "New Arpts" - name changed.			
(N) Miramar MCAS (San Diego) (N)	9.5 N	480	60h R1(L6)S4	91,100 oct.No bcn.
(N) Miramar OLF (San Diego) (N)(NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N) (NAS)	0.7 E,hwy W	2751	59h	CLOSED
Morrow (Rialto)	1.8 S;hwy S	1100	37 S6	80,91 oct. P-line E,W.
(A) Muroc AAF (A)	2 S,dry lake N	2285	80h R2 L5 S6	73,100 oct.JP-1, No sto.
National City	1.1 SSE,RR W	10	22 S4	80 oct.Poles,stack NW.
(P) Palmdale	3 NE,RR W	2549	70h R1 L5 S2	91,100 oct.
(P) PALM SPRINGS	2.5 E,RR NE	448	65h L5 S6	80,91,100 oct.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct.No sto.Twr SE.
Quartz Hill (Lancaster)	5.5 SW	2450	29 L S5	80,91 oct.Port rnwy lgts.Data unver.
Randsburg (NC)	1.8 NE,rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W	23	50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N)(NC)	6 N,RR W	400	15	
San Bernardino	4.7 NNW, RR 1.5 W	1425	40 L S6	80,91 oct.Port lgts prior req.
(A) San Bernardino AAF (A)	3.5 ESE,RR SW	1156	76h R1 L5 S6	62,73,91,100 oct, JP-1
San Bernardino Co. (Daggett)	See Dagett Int,13 under "New Airports"- name changed.			
(N) San Clemente Island OLF (N)	8 S of N end	926	50h	CLOSED
San Diego	5 NW,bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1(L6)S6	91,100 oct. NATS
San Marcos Valley (San Marcos)	1 W;hwy,RR N	530	19 S4	80 oct. No sto. Hill NE Pwr line E

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) San Nicolas Island OLF (N)	On E end Isl.	502	63	INACTIVE.
Sweetwater Springs Airanch (La Mesa)	4.2 SE,hwy N	475	22 S1	80,91 oct. Fence E.
Tehachapi	1 N,RR S	3952	45 L S2	73,91 oct. Range lgts. Pole line SE.
Tri-City (San Bernardino)	3.3 SSE,RR S	1015	29 L S4	91,80 oct. Poles SE,W. Port rnwy lgts.
(A) Victorville AAF(A)	6 NW,RR E	2875	74h R1 L5 S5	100 oct.
Victorville "66"	5.2 SSW;hwy W	3225	30 S4	80 oct. No sto.
War Eagle (Lancaster)	5 W,hwy N	2348	31	
Warner Hot Springs	3 W,hwy NE	3140	35 S1	Ltd 80 oct. Trees E,S
Wolfe's Arpk (Otay)	1.2 SE,RR W	220	30 S1	80,91 oct. Hills SE.
NEW AIRPORTS				
Sterk's Ranch (Lancaster)	2.5 ENE		30 S1	80 oct. Data unver.
(N) Ramona	3 SW	1440	40h	
Sweetwater OLF(San Diego)	7.4 E	480	30h	
Ridgecrest(Calif.)	0.3 S,	2300	40 L S4	Data unver. 80,91 oct.P-line E,NE.
Daggett Int, 13 LA-AS (Calif)	5 E;RR S	1927	64h R1 L3	
(P) El Mirage (Adelanto,Calif)	12 W NW; lake,5 N	2865	35h S5	80,91 oct.
Miro-Fontana (Rialto, Calif.)	1.5 NW;creek N	1400	24 S1	80 oct.T-line NE
(P)[Los Angeles](Calif)	9.5 SW;RR E	101	60h R3 L6 S6	91,100 oct.Rdo rqrd. Rnwy data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

LOS ANGELES

ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA

99

FRESNO 77

NAF, INYOKERN 72H

RIDGECREST

LA CRESTA

BAKERSFIELD 239

TO MORGAN HILL

AMBER 1

TEHACHAPI 45 S

MOJAVE-2751' 59H

CALIF. 17 D.A.

MUROC AAF 350

BORON

MUROC AAF-2285' 80H L S-219 (126.18)

WHEELER RIDGE

LEBEC 42

LANCASTER

WAR EAGLE

ANTELOPE VALLEY 25 S

QUARTZ HILL

PALMDALE 2549' 70H L

STERK'S

CASTIAC 41

NEWHALL 209 (111.1, 116.1)

PALMDALE 332 (116.1)

LOS ANGELES 260 (111.1, 116.1)

DOWNEY 11

LA HABRA 21

FOR LOS ANGELES VHF RANGE SEE CHART 147

EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.

LONG BEACH 233 (111.1, 116.1)

FOR DETAILS IN LOS ANGELES AREA SEE CHART 139

SANTA BARBARA 75

TO SANTA BARBARA

AMBER 8

HUNTINGTON BEACH 11

CAPISTRANO AWYS.

CALIF. 13 D.A.

SAN NICOLAS IS. OLF 63

SAN CLEMENTE IS. OLF 50H

OCEANSIDE 34

HI-HI SKY RANCH

SAN DIEGO 224 (111.1, 116.1)

NAS. SAN DIEGO-25' 60H L S-266 (142.74) (SEAPLANE-2870)

LINDBERGH-14' 88H L S-278 (118.3, 126.18)

CALIF. 7 D.A.

NAAS. REAM-23' 50H S-3295 (142.74)

BORDERLAND

NAAS. BROWN 60H

WOLFE'S

NATIONAL CITY

CORONADO 10

LA MESA 27 S

JAMACHA

LA PRESSA

SAN DIEGO

GILLESPIE 54H

LA MESA 13

EL CAJON

SWEETWATER SPRGS.

RED 9

MCAS MIRAMAR-480' 60H L S-239 (142.74)

RAMONA

DEL MAR 26S

MT. LAGUNA 254 (116.1)

TO EL CENTRO

GREEN 5

INDIO

BANNING 25

BANNING 52H L S

HARMON

PALM SPRINGS 69 H

INDIO 34 S

INDIO 242

MARCH AAF-1533' 70H L S-201 (126.18)

CALIF 13 D.A.

LAKE ELSINORE

ELSINORE

RIVERSIDE 388 (111.1, 116.1)

ARLINGTON 32 S

RIVERSIDE 30 S

TRI-CITY 29 S

SAN BERNARDINO 30 H S

FONTANA 17

MORRON 35 S

SAN BERNARDINO AAF-1156' 76H L S-272 (126.18)

BIG BEAR 35 S

CALIF 17 D.A.

VICTORVILLE "66"

VICTORVILLE AAF-2880' 74H L S-278 (126.18)

EL MIRAGE

MIRAGE

GREEN 4

BARSTOW

HELENDALE 56H

HAWES 56H

CALICO 58

DAGGETT 365 (111.1, 116.1)

DAGGETT 64H L

SILVER LAKE 269

TO NEEDLES

LAS VEGAS 79

BLYTHE 101

CAMP PENDLETON OLF 64H S

OCEANSIDE 326 (116.1)

C.A.

SAN MARCOS VALLEY

ENGEL

McCORMICK

WARNER HOT SPRGS 35 S

CAMP PENDLETON

SUMMIT

BLUE 14

BLUE 9

231 321 137 101 64 142 118 64 28 322 298 208 257 76 358 216 63 144 287 43 221 317 41 324 329 255 145 256 72 79 63

9000 6000 5000 12000 10000 7000 4000 3000 2000 1000 8000 13000

RADIO AIDS

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-DTV,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA (Yuma Co.)	230(UP)(vhf)	SBMRAZ-DTV,165°,5.8	(4);116.1,122.1

CALIFORNIA

BLYTHE (AAF)	251(YH)(vhf)	SBMRAZ-DTV,268°,4.1	(4);116.1,122.1
EL CENTRO	212(MB)(116.1)	SBMRLZ-DTV	(4); 116.1
El Centro NAS	317 (142.74)	CN, 320°, 3.7	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	242(IN)(116.1)	BMRLZ-DTV	(4); 116.1
MT. LAGUNA	254(TN)(116.1)	BHTV	(4); 116.1(Cont)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Aguila	1.5 NNW			ABANDONED.
(A) Ajo AAF (A)	5 N;RR NE	1434	64h	CLOSED
→ Conner (Quartzsite)	See Quartzsite under "New Airports" - name changed.			
(A) Datelan AAF	4 W Aztec	450	66h	TMP INACT NO FACS
Echevarria (Wickenburg)	See Wickenburg under "New Airports" - name changed.			
(A) Gila Bend AAF (A)	4 S,hwy W	858	62h R1 L5	TEMP INACT. NO FACS
(A) Gila Bend #4 (A)	18 SSW	1000	37h	TEMP INACT. NO FACS
(A) Gila Bend #5 (A)	15.3 SW	800	37h	TEMP INACT. NO FACS
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	TEMP INACT.NO FACS
(A) Laguna Landing (A)	6.5 NE	500	50h	
→ Strip (Laguna)				
Marsh (Yuma)	0.7 E,RR W	130	40 S6	80 oct.
Parker	1.4 ENE;RR,5 W	430	32 S6	80 oct.
Salome (NC)	0.7 S;RR NW	1876	45 S1	80 oct.Poles NW.
Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi.E,3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,RR W	2000	24 S1	80 oct Hills N
→ Smiley (Wellton)	13 E,RR S			ABANDONED.
Somerton	3 ENE;canal W	254	26 S4	80 oct.No sto.
★ Tonopah Int,31, → LA-PH	5 NNE Wintersburg			ABANDONED.
Wellton	0.5 NW,RR S	225	24 S6	80,91 oct.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe AAF (A)	7 W,hwy S	397	70h R1	CLOSED
(N) Borego Hotel OLF Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
Brawley	1.3 NE,RR W	-120	30 S6	80 oct.Poles SE,E. ARPT OF
Calexico	1.2 W,riv N	0	28 S6	80,91 oct.Data unver. ENTRY.
Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto.35'poles all zones.
(N) Clark's Dry Lake OLF (N) (NC)	25 W of center Salton Sea	450	50	On W portion Dry Lake.
(N) Coyote Wells OLF -North (N) (NC)	21 NW El Centro	300	26	CLOSED
(N) Coyote Wells OLF -South (N) (NC)	21 WSW El Centro	300	25	
(A) Desert Center	2.5 NE.rd NW	555	50h	AAF(A) CLOSED
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck) other hrs prior req.
(N) EL CENTRO NAS (N)	7 WNW,RR S	-43	69h R2 L5 S4	80,100 oct.Avail 0700 to 1800,
Gary (Blythe)	5 NNW,RR N	392	29h	CLOSED.
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct.No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S4	80,91 oct.Poles N. only.
Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct.Poles SE.No bcn.Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF(Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		24 S6	80 oct. N S taxiing only. Rnwy data unver
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
(A) Shavers Summit (Indio) AAF (A)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W. CLOSED
(A) Thermal AAF (A)	1.8 SW,hwy W	-117	50h	CLOSED
Twentynine Palms	4.8 N	1768	40h	

NEW AIRPORTS

(P) Yuma Co. (Ariz)	4.5 SSE,RR N	213	65h R1 L2S4	80,91 oct, Bndry lgts
Wickenburg Mun. (Ariz.)	14.8 WSW;RR N	2380	45 S2	80,91 oct. prior req.
Ajo (Ariz)	5 NE;rd,RR W	1490	40 S4	80 oct.Rough in spots.
Quartzsite (Ariz.)	0.3 SSW,hwy E	850	38	Trees N,W.N/S strip hazardous

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data.

BLYTHE

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA 101

LAS VEGAS 79

LOS ANGELES 99

PHOENIX 103

TO SAN DIEGO

TO CASA GRANDE

PHOENIX

RIVERSIDE

CALIF.

ARIZ.

ARIZ.

MEXICO

WICKENBURG

TWENTY-NINE PALMS 40 H

CALIF. 18 D.A.

IRICE AAF 55 H

PARKER 32

WICKENBURG MUN 40 H S

PALM SPRINGS 69H

DESERT CENTER 38 L S

DESERT CENTER AAF 50 H

INDIO 34 S

INDIO 242 (116.1)

THERMAL AAF 50 H

PORT MECCA

SHAVERS SUMMIT AAF 60 H

HARVEY

BLYTHE AAF 70 H

GARY-392' 29H

QUARTZSITE

PERRYVILLE 29

HERON 27 S

SALOME 41 L

GILA BEND 257 (116.1)

BLYTHE 251 (111.1, 116.1)

SALTON SEA 40

CALIPATRIA

BRAWLEY 30 S

O'CONNELL

IMPERIAL CO. 32 S

CALIF. 4 D.A.

NAS. EL CENTRO -(-43') 69H L S-317(142.74)

CALIF. 12 D.A.

LAGUNA 50H

RED

MARSH 40 S

DATELAN AAF 66H

GILA BEND NO 5 37H

GILA BEND AAF-858' 62H

GILA BEND NO. 6 37H

GILA BEND NO 4 37H

AJO

AJO AAF 64H L S

ARIZ. 1 D.A.

WELLTON

YUMA 230 (111.1, 116.1)

YUMA CO 65 H L S

HOLTVILLE 60 H L S

CALEXICO 28 S

SOMERTON 28 S

EL CENTRO 212 (116.1)

MT. LAGUNA 254 (116.1)

JACUMBA HOT SPRINGS OLF 25

72 252 88 111 258 81 GREEN 5 WHITE TANK 256 INDIO 93 60 75 255 76 249 69 262 110 37

1000 4000 5000 6000

145 165 315 345 140 320 346 199

24°30' 116° 115° 114° 113° 112°24' 34°30' 34° 32° 31° 30° 29°30'

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX

(R): EXTREMELY HAZARDOUS
(1): USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

RADIO — ARIZONA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(CF)(116.1)	SBMRAZ-DTV,253°,2.2	(4); 116.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)+	C	(4);116.1,126.18,118.3,122.5
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3); 142.74 (0730 to sunset)
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
→ PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-DTV,261°,1.9	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 122.5
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-DTV;307°,3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18
NEW MEXICO			
RODEO (Int.)	254(RH)(116.1)	BMRLZ-DTV,24°,0	(4); 116.1

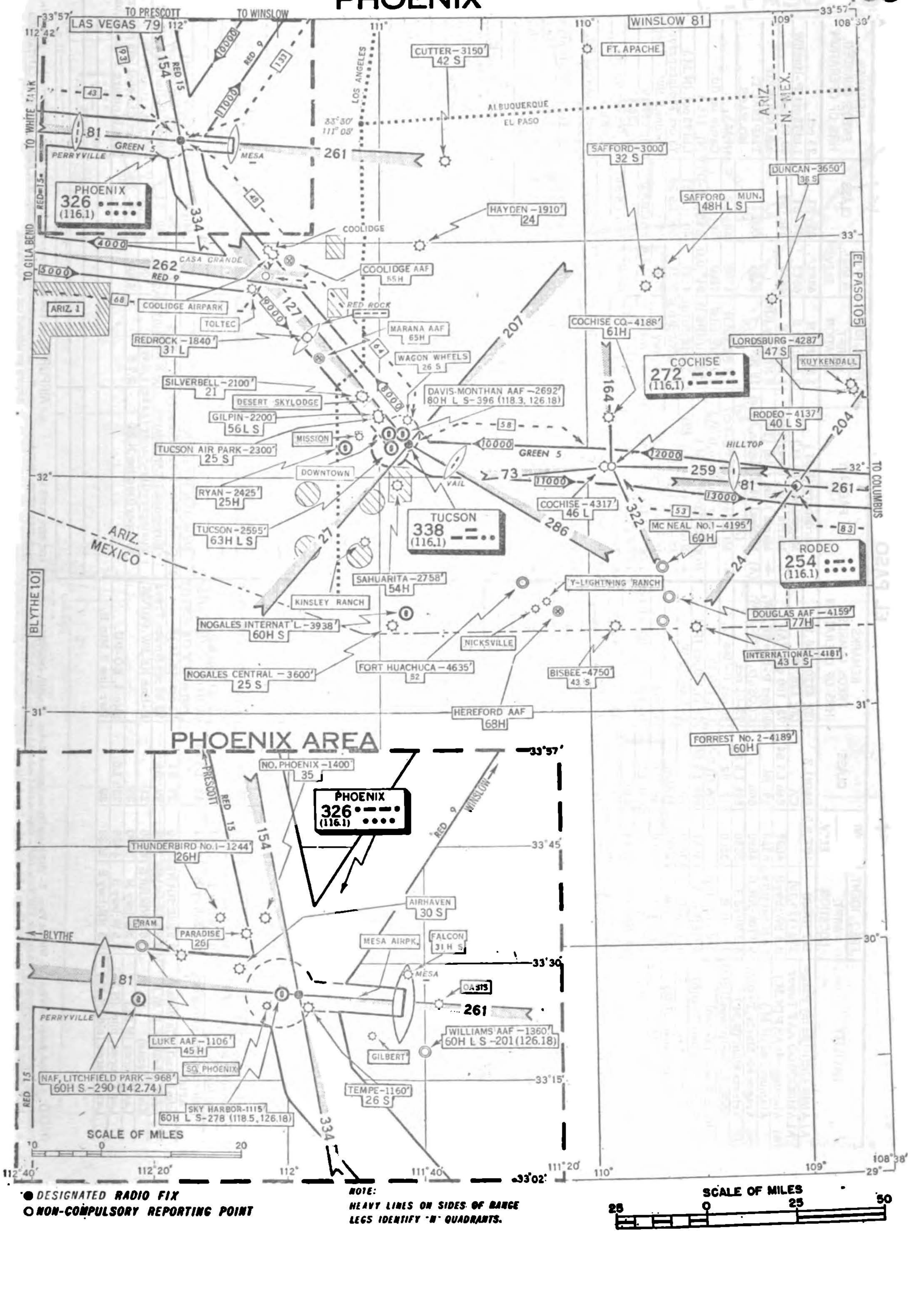
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A C S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW;hwy N	1050	24 S6	80 oct.Rough
Bisbee	6.4 SSE,RR W	4750	43 L S6	80 oct;91 oct on req. Poles W. Port rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Marenal (Clifton)	8.7 SSE,hwy W	3800	53 S2	80 oct.
* Cochise Int,T-3,PH-EO	6 S.	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S ;hwy W,S.	1450	32 S1	80 oct,P-line NW.
(A) Coolidge AAF (A)	6 SE	1587	55h	CLOSED
Coolidge Flying Field	1.5 WSW	1450	27 S4	80,91 oct,P-line NE,W,RR 1.5
Cutter (Globe)	6.8 ESE,RR N	3150	37 S6	80,91 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	4.2 SE;RR S	2692	80h R2 L5 S6	80,100 oct,IP 1,P-line S.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	CLOSED Twrs E.
Duncan	1 NE	3650	36 S2	80 oct.Poles WSW.
Falcon (Mesa)	7.3 NE ;riv 2 N	1332	31h S4	80,91 oct.
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	CLOSED.
(P) Ft.Apache (White River)	2.6 SSW,riv S	5109	34 S2	80 oct. P-line N,NE
(A) Ft. Huachuca (A)	3.5 E;RR NW	4635	52	
Gilpin (Tucson)	4.2 NW,RR W	2200	56 L5 S6	80,91 oct.No flood. Fld lgts prior
Hayden	1.2 S,hwy E	1910	24	Obst sur fld, req.
(A) Hereford AAF(A)	2.5 WSW,rd N	4347	68h	Twr SE. CLOSED
→ INTERNATIONAL (Douglas)	3.3 E.	4181	43 L4 S4	80 oct. Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW;hwy E	3100	35	PRIVATE.
Litchfield (Litchfield Park)(NC)	0.5 NW ;cty SE	1062	37	PRIVATE.
(N) Litchfield Park NAF (N)	4.8 S ;RR S	968	60h R1 S1	100 oct.
(NG) Luke (Phoenix) (NG)	18 WNW	1106	45h S4	100 oct,2nd ech. maint NG.
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	CLOSED.
(A) Marana AAF (A)	6 NW,hwy NE	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W.
Mesa Airpark	1.4 W ;hwy S	1238	27 S6	80,91 oct.No sto.P-line E.
Nogales Central	3 N,RR E	3600	25 S6	80,91 oct,P-line ESE.
(P) Nogales International	8 NE;hwy NW	3938	60h L5 S4	80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	4.5 E,hwy W	1400	35 S1	80 oct.
Paradise (Phoenix)	6 NNW,canal S	1256	26 S4	80,91 oct. Trees S
Phoenix Airhaven	See Airhaven under "New Airports" - name changed.			
* Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	31 L5	P-line NE.
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
Safford Mun	4.5 ENE;riv 2 S	3176	48h L5 S4	80,91 oct. Fld lgts prior req.
Sahuarita Flight Strip	2.2 E.	2758	54h	
(P) Sells (NC)	2 NW,rd E	2380	24	
Silverbell (Tucson)	11.2 NW;riv NE	2100	21	
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	91, 100 oct. Fld lgts prior req.
Superior (NC)	2 WSW,hwy N	2600	19 S4	73,80 oct. P-line NNE. Slopes WSW
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W.
Three Point (Casa Grande)(NC)	1.5 NNW ;hwy E	1400	37 S4	80 oct,P-line NE,SW.
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	40	
Toltec	0.4 NNW;RR SW	1500	73	Poles SSW, WSW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	25 S6	80 oct,P-line NW.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct. Slopes to SSE, P-line S,SE
Wickersham (Safford)	See Safford under "New Facilities" - name changed.			
→ Willcox (NC)	0.9 WNW,hwy E			ABANDONED.
(A) Williams (Chandler) (A)	10 E ;RR 1 SW	1360	61h R1 L5 S6	73, 91, 100 oct. JP-1.
NEW MEXICO				
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
* Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
NEW AIRPORTS				
* Downtown (Tucson,Ariz.)	1.4 S;RR SW	2400	42 L S6	80,91 oct,P-line N,S,NW. Port bndry lgts.
Nicksville (Hereford,Ariz.)	9 W;hwy W	4750	32 S4	80 oct,Poles SW.
Y-Lighting Ranch (Hereford,Ariz.)	6 WNW ;rd W	4400	26	
Gilbert (Ariz)	0.7 SSW	1200	16 S1	80 oct,P-line E,fence W.
Airhaven (Phoenix,Ariz)	5.9 WNW;RR SW	1150	30 S4	80 oct.No sto.Poles SW,NE.
→ Gram (Glendale,Ariz)	See Fram below - name changed.			
→ Oasis (Mesa,Ariz)	11.5 E;hwy N	1550	18 S4	80 oct.No sto.Trees NE,SW.
South Phoenix, (Ariz)	3 SSE;riv N	1100	26 S6	80 oct.No sto.P-line E,W.
Mission Arpk(Tucson,Ariz)	8.3 WSW;rd S	2665	22 S6	80 oct Poles W
(P) Safford (Ariz.)	2.5 S;hwy W	3000	37 S6	80,91 oct. Poles S,SE.
Desert Skylodge (Tucson,Ariz.)	10 NNW;RR NW	2025	32 S6	80,91 oct.Poles NW,WNW.
→ Fram (Glendale,Ariz)	5 W;rd E	1060	21 S6	80 oct,Poles E,W,E end hazardous.
→ Benson (Ariz)	2 ESE;RR,hwy N	3500	42 S4	80 oct.P-line N,ENE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA.

PHOENIX


TO PRESCOTT
TO WINSLOW
LAS VEGAS 79
WINSLOW 81
CUTTER – 3150'
42 S
FT. APACHE
ALBUQUERQUE
EL PASO
LOS ANGELES
ARIZ.
N. MEX.
TO WHITE TANK
PERRYVILLE
GREEN 5
MESA
261
PHOENIX
326
(116.1)
334
SAFFORD – 3000'
32 S
DUNCAN – 3650'
36 S
SAFFORD MUN.
48H L S
HAYDEN – 1910'
24
COOLIDGE
CASA GRANDE
262
RED 9
COOLIDGE AAF
65H
TO GILA BEND
ARIZ. 1
COOLIDGE AIRPARK
TOLTEC
RED ROCK
REDROCK – 1840'
31 L
MARANA AAF
65H
WAGON WHEELS
26 S
207
COCHISE CO. – 4188'
61H
LORDSBURG – 4287'
47 S
KUYKENDALL
COCHISE
272
(116.1)
SILVERBELL – 2100'
21
DESERT SKYLODGE
DAVIS-MONTHAN AAF – 2692'
80H L S – 396 (118.3, 126.18)
GILPIN – 2200'
56 L S
MISSION
TUCSON AIR PARK – 2300'
25 S
RODEO – 4137'
40 L S
HILLTOP
204
GREEN 5
259
261
TO COLUMBUS
DOWNTOWN
VAIL
TUCSON
338
(116.1)
RYAN – 2425'
25H
TUCSON – 2595'
63H L S
ARIZ.
MEXICO
COCHISE – 4317'
46 L
MC NEAL No. 1 – 4195'
60H
322
286
RODEO
254
(116.1)
BLYTHE 101
SAHUARITA – 2758'
54H
KINSLEY RANCH
Y-LIGHTNING RANCH
DOUGLAS AAF – 4159'
77H
NICKSVILLE
NOGALES INTERNAT'L – 3938'
60H S
INTERNATIONAL – 4161'
43 L S
NOGALES CENTRAL – 3600'
25 S
FORT HUACHUCA – 4635'
52
BISBEE – 4750'
43 S
HEREFORD AAF
68H
FORREST No. 2 – 4189'
60H
PHOENIX AREA
NO. PHOENIX – 1400'
35
PHOENIX
326
(116.1)
THUNDERBIRD No. 1 – 1244'
26H
AIRHAVEN
30 S
ERAM
PARADISE
26
MESA AIRPK.
FALCON
31 H S
OASIS
LUKE AAF – 1106'
45 H
SO. PHOENIX
GILBERT
WILLIAMS AAF – 1360'
60H L S – 201 (126.18)
NAF, LITCHFIELD PARK – 968'
60H S – 290 (142.74)
TEMPE – 1160'
26 S
SKY HARBOR – 1115'
60H L S – 278 (118.5, 126.18)
SCALE OF MILES
10 0 20
112°40'
112°20'
112°
111°40'
111°20'
110°
109°
108°38'
33°57'
33°30'
33°15'
33°02'
33°
32°
31°
30°
29°
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
SCALE OF MILES
25 0 25 50

EL PASO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMOGORDO Army Range	221 (DGR)	167°,6.5	BMRLZ	(3); 4220; 126.18
ALAMOGORDO AAF Tower	272 (126.18)		CA	(3); 126.18
(A) Alamogordo AAF (N.M.)	8.5 SW;hwy S	4092	84h L5 S4	73, 100 oct. (A)
Alamogordo (N.M.)	2.4 N;bet RRs	4320	29 S6	80 oct. P-line SE,NW, SSE,SSW.
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED.
(P) Artesia Mun. (N.M.)	4.2 W;rd S	3550	69h L5 S1	73-91 oct.
B&B Fly.Svc.(Roswell,N.M)	2 S;RR E	3600	32 S2	80 oct P-line 77.
BIGGS Tower (Texas)	396 (126.18)+		CA (ILS-W)	(3); 126.18
(A) Biggs (El Paso,Tex)(A)	6 NE;RR W	3937	96h L5 S6	73,91,100 oct JP-l.
Bowie (Ariz)	1.9 W;RR N	3800	20	P-line NE,W.
CARLSBAD Range (N.M)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) [Carlsbad,mun.] (N.M.)	6.1 SSW	3276	65h L5	Hwy E.Rnwy lgts on req
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Carrizozo (N.M.)	0.6 N;hwy S,E	5420	33 S2	80 oct.P-line WSW.
Clifton-Greenlee Co.	8.7 SSE;hwy W	3800	35	(Clifton, Ariz)
COLUMBUS Range (N.M)(Int)	284(KS)(116.1)	262°,1.9	SBMRAZ-DTV	(4); 116.1
★ Columbus Int,34,PH-EO	0.6 ESE;hwy N	4024	42 L3 S1	80 oct. (N.M.)
(P) Culberson Co.(Van Horn)	3.5 ENE;RR S	3955	60h	(Texas)
★ Delaware Springs Int.,11, EO-FV (Texas)	16.8 E of Pine Springs	3955	40 L3 S1	91 oct. P-line SSE
(A) Deming AAF (A) (N.M)	2 ESE;hwy W	4314	81h	CLOSED.
Deming Arpk (N.M.)	6 WSW;RR N	4300	31 S4	73 oct. No sto.
(A) Deming (South)(N.M.)(A)	19.5 SSW	4240	60h	CLOSED.
(A) Deming (Center)(N.M.)(A)	11.5 W;hwy S	4440	60h	CLOSED.
(A) Douglas AAF (Ariz)(A)	8.5 NNW	4159	77h	CLOSED Twrs E.
Duncan (Ariz)	1 NE;race track W	3650	36	P-line W
EL PASO Range (Tex)	242(EO)(116.1)	257°,4.9	SBRAZ-DTV	(3); 116.1, 122.1
EL PASO Tower (Tex)	278 (126.18, 118.7)		AC (ILS)	(4);122.5,118.7,126.18
[El Paso Mun.](Tex)	4.8 ENE;RR SW	3936	70h L6 S1	73,91,100 oct. No sto. ARPT OF ENTRY.
→ ENGLE Range (N.M.)(Int.)	344(EX)(116.1)	176°,2.9	SBRAZ-DTV	(4); 116.1
* Engle Int,10,EO-PU(N.M.)	2.6 E;hwy N	4853	45 L3	
(A) Forrest #2 (Douglas,Ariz)	6.4 WNW	4189	60h	CLOSED(A)
Fort Hancock (Tex)	0.7 SE;RR N			ABANDONED
GUADALUPE PASS (Tex)	(116.1)		VP	116.1
★ Hachita Int,29B,PH-EO	0.8 W;RR N	4498	38 L3	P-line N. (N.M.)
Hot Springs (N.M.)	7.4 N;hwy E	4750	75 S4	80 oct.Rnwy data unver
★ Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	(Texas)
Hurley (N.M.)	0.8 W;RR E	5748	33 S4	73 oct. No sto.
[International](Douglas, Ariz)	3.3 E;hwy N	4181	43 L4 S4	80,91 oct.Fld lgts prior req.ARPT OF ENTRY
John J.Small (Carlsbad)	3.5 SSE;RR NE	3150	27 S1	73 oct. (N.M.)
Jundt (Strauss, N.M.)	8.8 ESE;hwy NE	3709	32 S6	73,80 oct.No sto.Trees
Kent (Texas)	0.6 WNW;RR S	4260	21	P-line NE,SW.PRIV.E.
Las Cruces (N.M.)	1 NE;hwy N	3900	35	
Las Cruces, mun.(N.M.)	8.5 W;hwy S	4426	75h L5	Site 4, EO-PU.
Las Cruces (old)(N.M.)	9.5 NE;hwy S	4538	39	Pwr line S.Mtn E.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Lordsburg (N.M.)	1 SE;RR N	4287	47 S1	73 oct.
Magdalena (N.M.)	0.8 N;RR S	6572	48 S1	Ltd 73 oct.P-line SW.
Marfa Mun. (new)(Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
→ Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
(A) McNeal #1 (Douglas,Ariz) (A)	19 NNW	4195	60h	TMP INACT. NO FACS.
* Mt.Riley Int,37,PH-EO	1.8 SE;RR N	4106	36 L2	(N.M.)
Parker (Ruidoso,N.M.)	8.2 NNE;rd N	7200	36	Cattle on fld.
RODEO Range (N.M.)	254(RH)(116.1)	24°,0.0	BMRLZ-DTV	(4); 116.1
★ Rodeo Int,26A,PH-EO	7.3 NNE;RR SE	4137	40 L3 S1	Ltd 73 oct. (N.M.)
[Roswell] (N.M.)	1.6 WNW;RR E	3621	56 L5 S6	73 oct.Fld lgts prior
Roswell Com. (N.M.)	4 W;hwy N	3700	33	Windmill SW. req.
ROSWELL Army Range (N.M.)	305 (DEH)	255°,3.6	SBMRAZ	(3); 126.18
ROSWELL AAF Tower (N.M.)	396 (126.18)+		CA	(3); 126.18
(A) Roswell AAF (N.M.)(A)	6.5 S	3666	85h L5 S6	91,100 oct.No sto.
(A) Roswell AAF #3(N.M.)(A)	18 S	3712	70h	CLOSED.
Ruidoso (N.M.)	2.2 NNE;hwy W	7000	60 S2	80 oct.Mtns sur fld.
(A) Ryan #3 (Marfa,Tex)(A)	19 WNW;RR NE	4750	60h	CLOSED.
Safford (Ariz)	4.5 ENE;riv S	3176	48h L5 S5	80,91 oct.Fld lgts prior
SALT FLAT Range (Tex.)	335(DN)(116.1)	162°,2.7	BMRLPZ-DTV	(4); 116.1 req
★ Salt Flat Int,8A,EO-FV	17 SW Guad.PS	3710	40 L3 S1	80 oct. Hwy S. (Tex)
Sierra Blanca (Tex)	2.8 ESE;hwy N	4450	21	P-line N.
Silver City (N.M.)	11.5 SE;hwy E	5400	54	
Skytel (Deming, N.M.)	1.4 WSW	4300	38 S2	73,80 oct.P-line E.
Socorro (N.M.)	2.5 S;hwy E	4759	60h L5 S1	80 oct.Use rnwys only.
State College(Mesilla Park)	1.2 E;RR W	3900	30 S6	73 oct.No sto.(N.M.)
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct.Hwy W.
Tracy (Carlsbad,N.M.)	2 ENE;hwy S	3080	30 S6	80 oct.
Tularosa (N.M.)	2.2 N;RR W	4550	34	
Valley (Berino, N.M.)	1 ENE;hwy W	3825	34 S1	73 oct.50'hi-line E.
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct.Poles NW.
Whitehill (Silver City,N.M.)	4 SSE	5800	30	P-line N.Rnwy data
Wickersham (Safford,Ariz)	2.5 S;RR NE	3000	32 S6	80,91 oct. unver.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

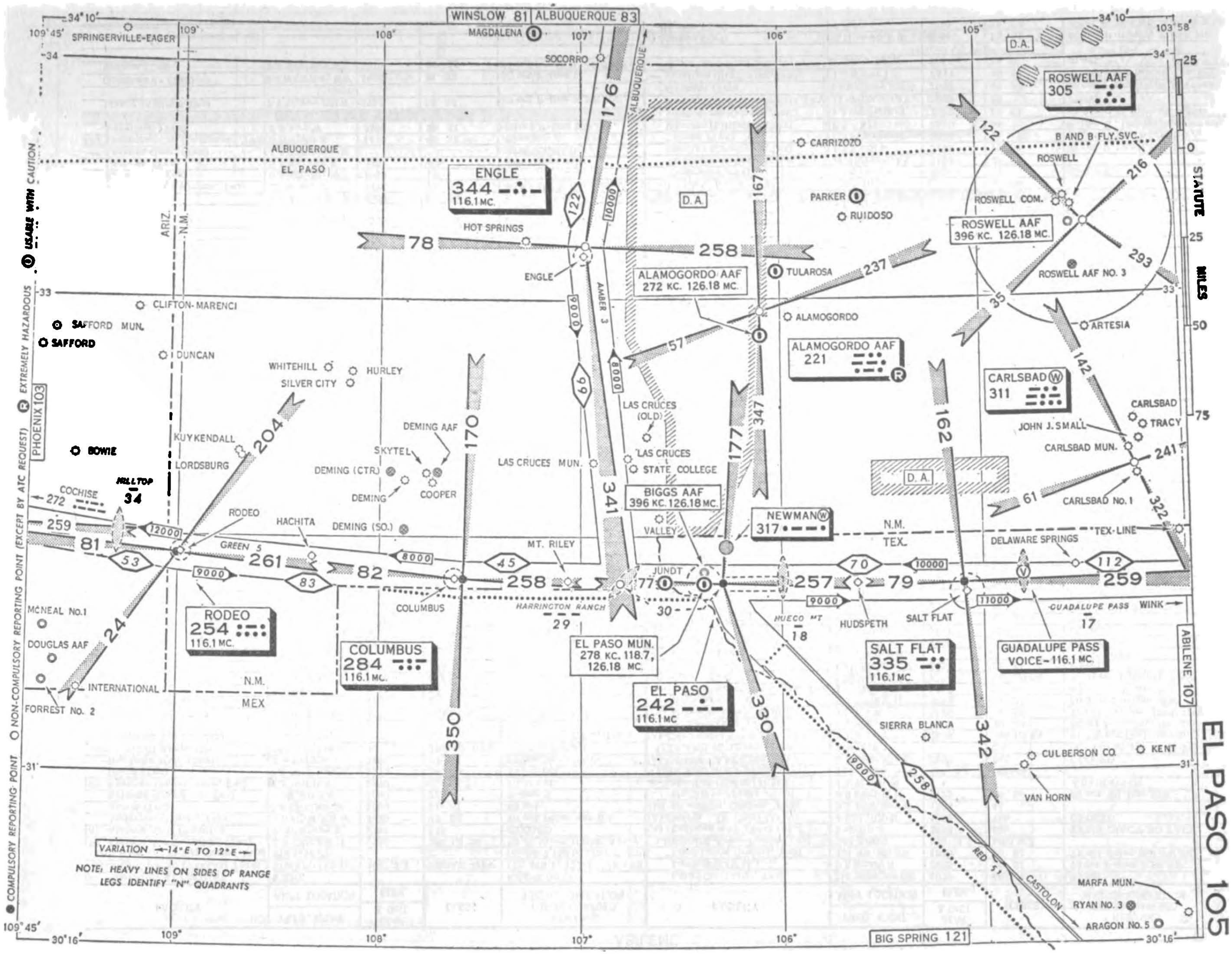
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIGGS (A)	109.9	333.8	210°	IM- (0.26)	MM- ••••••(0.85)	OM- ——(4.35)
					MMK-	OMK-
EL PASO	109.5 -•--	332.6	217°	IM-	MM- •—•—(0.67)	OM- ——(4.56)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

NEWMAN H Fac (Tex)	317(P)	357°,11	MHW	El Paso (cont)
McCombs Fld #1 (Pine Spgs,Tex)	7.5 NNE	5200	20	Rough. Emerg.use only
Kuykendall (Lordsburg)	0.8 NNW;hwy E	4290	29 S1	80 oct.P-line NNE,SE.(N.M)
Springerville-Eager (Ariz)	1.5 W	7000	37 S1	80 oct.
Cooper (Deming,N.M)	2.7 S	4300	25 L S1	80oct.Ctc,obst lgts prior req Use in emerg.P-line E,bank W

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

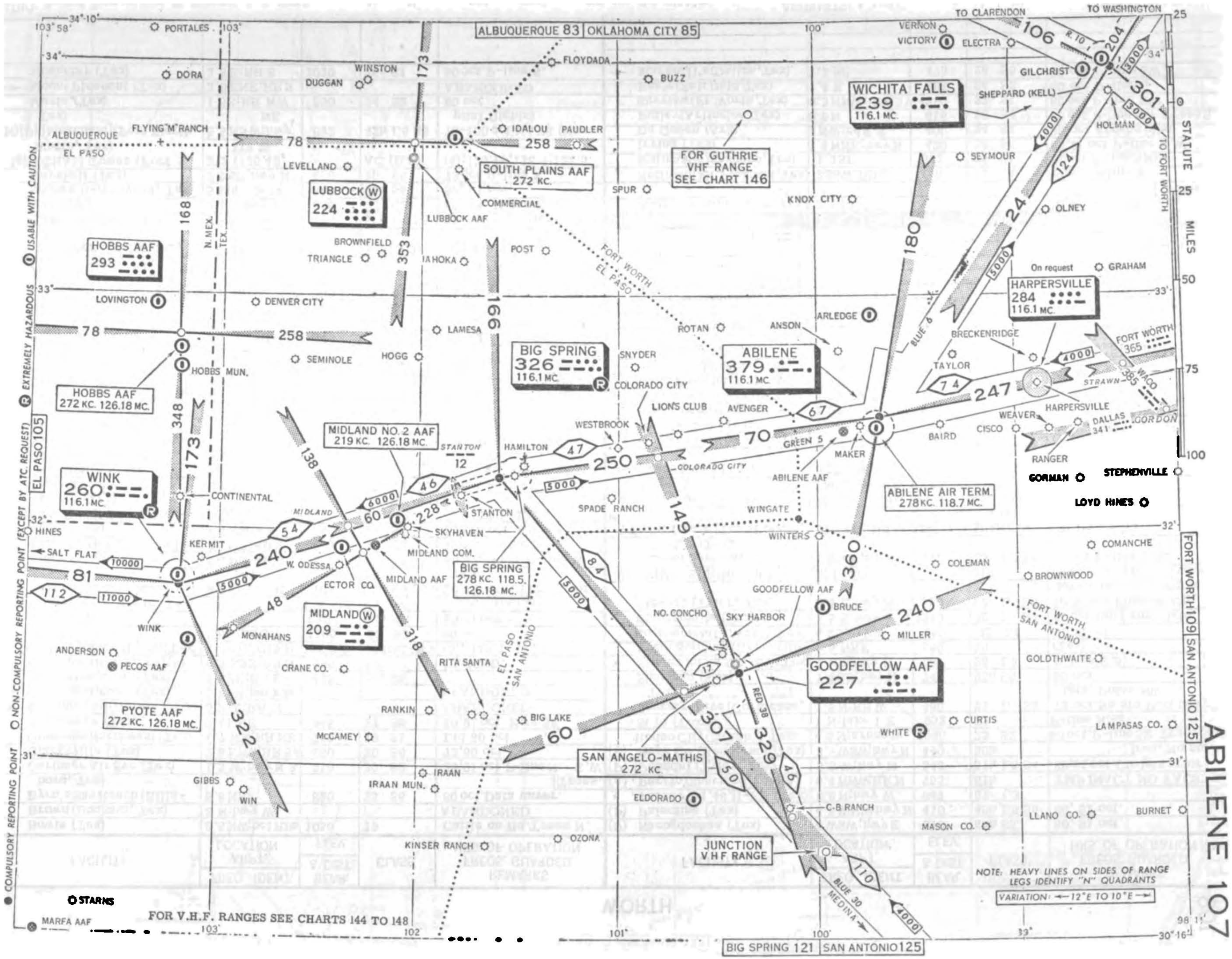
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


WINSLOW 81
ALBUQUERQUE 83
EL PASO 105
BIG SPRING 121
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
SPRINGERVILLE-EAGER
MAGDALENA
SOCORRO
ALBUQUERQUE
EL PASO
ARIZ.
N.M.
CLIFTON-MARENCI
SAFFORD MUN.
SAFFORD
DUNCAN
WHITEHILL
HURLEY
SILVER CITY
KUYKENDALL
LORDSBURG
BOWIE
MILLTOP
COCHISE
RODEO
HACHITA
DEMING (SO.)
DEMING (CTR.)
DEMING
COOPER
SKYTEL
DEMING AAF
LAS CRUCES MUN.
LAS CRUCES (OLD)
LAS CRUCES
STATE COLLEGE
MT. RILEY
HOT SPRINGS
ENGLE
344
116.1 MC.
CARRIZOZO
PARKER
RUIDOSO
TULAROSA
ALAMOGORDO
ALAMOGORDO AAF
272 KC. 126.18 MC.
ALAMOGORDO AAF
221
ROSWELL AAF
305
B AND B FLY. SVC.
ROSWELL
ROSWELL COM.
ROSWELL AAF
396 KC. 126.18 MC.
ROSWELL AAF NO. 3
ARTESIA
CARLSBAD
311
CARLSBAD
TRACY
JOHN J. SMALL
CARLSBAD MUN.
CARLSBAD No. 1
BIGGS AAF
396 KC. 126.18 MC.
NEWMAN
317
VALLEY
JUNDT
N.M.
TEX.
TEX-LINE
DELAWARE SPRINGS
RODEO
254
116.1 MC.
COLUMBUS
284
116.1 MC.
COLUMBUS
HARRINGTON RANCH
EL PASO MUN.
278 KC. 118.7,
126.18 MC.
EL PASO
242
116.1 MC
HUECO MT.
HUDSPETH
SALT FLAT
SALT FLAT
335
116.1 MC.
GUADALUPE PASS
VOICE – 116.1 MC.
GUADALUPE PASS
WINK
SIERRA BLANCA
CULBERSON CO.
KENT
VAN HORN
MARFA MUN.
RYAN No. 3
ARAGON No. 5
CASTOLON
RED 51
MCNEAL No. 1
DOUGLAS AAF
INTERNATIONAL
FORREST No. 2
N.M.
MEX
ABILENE 107
PHOENIX 103
VARIATION 14°E TO 12°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
D.A.
AMBER 3
ALBUQUERQUE
109°45'
109°
108°
107°
106°
105°
103°58'
34°10'
34°
33°
31°
30°16'

ABILENE

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(A) Abernathy #1 (Tex) (A)	5 ENE			ABANDONED.
ABILENE Range (Tex) (Air Term.)	379(AP)(116.1)	180°,2.2	SBRAZ-DTV	(3); 116.1, 122.1 NATS
ABILENE AIR TERM. Tower (Tex)	278 (118.7)		C	(4);118.7,126.18,122.5(7-23)
(P) Abilene Air Terminal (Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.100 oct.Army.
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct.Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
Arledge (Stamford, Tex)	5 SE;RR SW	1600	23h	P-line S.
(P) Avenger (Sweetwater, Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;RR S	2950	37 S2	80 oct.Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-DTV	(3); 116.1,122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18, 122.5, 118 5 (7-23)
(N,P) [Big Spring] (Tex)	3.3 WSW;RR N	2595	64h L5 S6	80,91,100 oct. NATS.
Breckenridge (Tex)	2.5 S;RR E	1250	29 S6	80 oct
Brownfield (Tex)	5 E;hwy N	3314	50 S2	80 oct.P-line N,NE.
(P) Brownwood Mun. (Tex)	6.3 NNE;RR S	1386	50h L5 S4	80,91 oct.Ctc lgts on req.
Bruce (Ballinger,Tex)	4.5 SSW;hwy NW	1731	23h L S6	80,91 oct.B-2 lgts on req.Use
Burkburnett (Tex)	1 SE;RR SW			ABANDONED rnwys.
Burnett (Tex)	2 NE;RR W	1325	21 S1	80 oct. P-line SW
Buzz (Roaring Springs, Tex)	2.3 NNE;hwy W	2600	26 S1	73 oct. P-line S.
C-B Ranch (Ft.McKavett,Tex)	1.5 W;road S	2150	32 S1	80 oct. Livestock on fld
Cisco (Tex)	2.5 NNW;lake 2 N	1620	30 L S4	80,91 oct. Flare pots,flds
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80,91 oct.Use rnwys prior req.
Comanche (Tex)	1.7 NNW;hwy SW	1500	14	
Commercial (Lubbock, Tex)	3.2 SE;bet hwys	3240	40 S6	73,80 oct.No sto.Use strips
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct.Hi-line S.
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel.
Denver City (Tex)	0.8 NW	3584	40 S1	80 oct. Data unver.
Dora (N.M.)	1.3 E;hwy W	4000	27 S1	73 oct.P-line N.
Duggan (Littlefield,Tex)	1.2 S;RR NE	3550	37 S4	80,91 oct.Pwrline E,NE,SE
Dyche (Ft. Stockton, Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct.Poles E.Cattle on fld
Electra (Tex)	3.6 WNW;RR S	1229	27 S2	80 oct.
Floydada (Tex)	1.2 NNW;RR N	3287	20 S1	80 oct. P-line S. RR SW.
Flying "M" Ranch (Milnesand)	0.4 NNW;hwy E	4360	20 S2	80 oct.Data unver. (N.M.)
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.
Gilchrist (Wichita Falls,Tex)	7 WNW;RR S	1020	30 S1	80 oct. P-line S.
GOODFELLOW Army Range (Tex)	227 (DIP)	329°, 2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)(A)	3 SE;rds N,W	1877	55h	TMP INACT.
Gorman (Tex)	1 S;RR NE	1400	26 S2	80 oct. Poles NNE.
HARPERSVILLE H Fac. (Tex)	284 (HV)(116.1)		MHTV	(4); 116.1, 122.1
* Harpersville Int,44,EO-FV(Tex)		1396	45 L3	9.2 S of Breckenridge
HOBBS Army Range (N.M.)	293 (DHB)	168°,2.8	MRLZ	(3) (V, 7-23)
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct.
Hobbs Mun. (N.M.)	5 W;hwy N	3658	50h L5	All lgts prior req.
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Holman (Wichita Falls, Tex)	3.1 SSE;hwy W	980	31 L S6	80,91 oct.Poles SE,E,NE.
Idalou (Tex)	5.5 ENE	3189	54h	Flood lgts.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE Use strips only.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona, Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
Knox City (Tex)	0.8 SSE;RR W	1550	17	
Lamesa (Tex)	8 NNE;hwy E	3031	43h	Use rnwys only.
Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(P) Lampasas Co. (Lampasas,Tex)	6 NW;RR S	1480	42 S2	80 oct.
Levelland (Tex)	2 S;hwy W	3550	25 S1	80 oct.P-line NW,SW.
NEW FACILITIES				
Maker (Abilene,Tex)	2.7 W;hwy,RR N	1750	30 S6	80 oct.P-line N,NE,NW.
Goldthwaite (Tex)	2.6 WSW;hwy NW	1400	35 S2	80 oct.P-line W.
Vernon (Tex)	2.3 SSE;hwy W	1210	27 S6	80 oct.Rough N,soft S ends

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Llano Co.(Llano, Tex)	2.4 NNE;riv NE	1029	40 S1	73 oct.
Lovington (N.M.)	0.8 E;hwy S	3985	36 S1	73 oct.P-line S,SE,SW.
Loyd Hines (Dublin, Tex)	1.3 NW;RR SW	1260	18 S1	73 oct.Poles NW,SW,SE.
LUBBOCK Army Range (Tex)	224 (DHH)	173°,3.7	MRLWZ	
(A) Lubbock AAF (Tex) (A)	9 W;RR S	3332	65h	TEMP INACT.NO FACS.
(A) Marfa AAF (Tex) (A)	9 ESE;RR N	4885	75h	CLOSED.
(P) Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED.
MIDLAND Army Range (Tex)	209 (DON)	48°, 3.8	MRLWZ	
(A) Midland AAF (Tex) (A)	9.5 WSW;RR S	2867	64h	CLOSED.
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18 (6-24)
(A) Midland#2 (Tex) (A)	3 NW;rd E	2805	64h L5 S4	91,100 oct JP-1.No sto.
Midland Com. (Tex)	1.1 SSE;hwy N	2800	30 S6	80 oct.P-line sur fld.Strip
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto. Ends rough
Monahans (Tex)	1.2 SW;RR N	2643	32 S6	80,91 oct.P-line SSW.
North Concho (San Angelo,Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE.
(P) Olney (Tex)	4 WSW;rd S,N	1274	55h L5 S6	80,91 oct.Lgts prior req.
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Paducah (Tex)	2.5 ESE;RR NW			ABANDONED
Parker (Texon, Tex)	2.3 W;RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Portales (N.M.)	4.5 SW;RR NNW	4200	46 S1	73 oct
Post (Tex)	0.8 NE;RR W	2700	28	SSW,W blckd Canyon E
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91, 100 oct. No sto.
Ranger (Tex)	1.5 SSW;RR W	1420	28 S6	80 oct. P-line NE.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld
Rotan (Tex)	1.4 NNW;rd E	2000	26	Poles E. CAUTION.
SAN ANGELO-MATHIS Tower (Tex)	272		CI	(4) 12 noon 'til 1 hr.after
(P) San Angelo-Mathis (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct sunset.Closed Mon
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips.
Seymour (Tex)	1.3 SE;riv SW	1300	27 S1	80 oct.
Sheppard/Kell Mun. (Wichita Falls, Tex)	5.8 N;hwy W	1029	66h L5 S6	80,91,100 oct.
Sky Harbor (San Angelo, Tex)	4.6 NNW;RR SW	1840	30 L3 S4	80, 91 oct. After 2100 lgts on req.P-line W,NW.
Sky Haven (Midland, Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
SOUTH PLAINS AAF Tower (Tex)	272		CA	(4) (8-17 Mon-Fri)
(A) South Plains AAF (Lubbock)	5.5 NNE;RR W	3256	65h L5 S6	73,100 oct. (Tex)
Spur (Tex)	2.2 S;RR N	2363	28 S4	80, 91 oct.
Stamford (Tex)	2.5 N;hwy E			ABANDONED Port rnwy lgts
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct., rior req.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts.
Taylor (Albany, Tex)	1 N;RR SW	1429	28 S2	80 oct.
Triangle (Brownfield, Tex)	1.8 SSW;RR NW	3200	20 S2	73 oct
U & S Fly.Svc.(Big Spring,Tex)	See Hamilton under "New Facilities" - name changed.			
Victory (Vernon, Tex)	5.9 SSW;hwy E	1230	20h S2	No fuel.
Weaver (Eastland, Tex)	1 NE;RR S	1576	31 S6	80 oct.
* West Brook Int,32,EO-FV (Tex)	1.3 S;RR N	2188	34 L3	P-line N,S.
White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
WICHITA FALLS Range (Tex) (Sheppard/Keil Mun.)	239(WF)(116.1)	305°,1.7	SBMRAZ-DTV	(4); 116.1, 122.1
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260(WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80, 91 oct.
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
NEW FACILITIES				
GUTHRIE Range (Tex)	108.3(UH)		VARW	
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex)	14.8 S;ranch 4 E	2127	26	
Paudler (Crosbyton, Tex)	1.5 E;RR W	3108	19 S2	80 oct.P-line N,NE,NW.
Tahoka (Tex)	1.3 SSW;hwy E	3090	41 L S6	80 oct.P-line NE,W,NW.
Winston (Littlefield,Tex)	2.5 ENE	3550	43	P-line W. Strip lgts prior req.
Westodessa (Odessa,Tex.)	1.5 WSW;RR S	2880	33 S2	80,91 oct.P-lines NNW,SSE
Decker Ranch (Candelaria,Tex)	11 NNE;cliff 2 E	3650	29	PRIVATE
Graham (Tex)	2 ENE;hwy,RR N	1060	40 S3	80 oct.P-line NW,W,N.Trees
Hamilton (Big Spring,Tex)	1.5 N;hwy 1 S	2517	40 S6	80 oct.P-line N,NNE.Ctn. SW.
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 S1	80 oct. Data unver.
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW
Snyder (Tex)	1.3 S	2270	21 S2	80oct.P-lines NW,W,SE.E blkd


ALBUQUERQUE 83
OKLAHOMA CITY 85
PORTALES
DORA
DUGGAN
WINSTON
FLOYDADA
BUZZ
VERNON
VICTORY
ELECTRA
TO CLARENDON
TO WASHINGTON
GILCHRIST
SHEPPARD (KELL)
WICHITA FALLS
239
116.1 MC.
HOLMAN
SEYMOUR
OLNEY
ALBUQUERQUE
EL PASO
FLYING "M" RANCH
IDALOU
PAUDLER
LEVELLAND
SOUTH PLAINS AAF
272 KC.
COMMERCIAL
LUBBOCK
224
LUBBOCK AAF
FOR GUTHRIE
VHF RANGE
SEE CHART 146
SPUR
KNOX CITY
HOBBS AAF
293
BROWNFIELD
TRIANGLE
IAHOKA
POST
FORT WORTH
EL PASO
On request
GRAHAM
HARPERSVILLE
284
116.1 MC.
LOVINGTON
DENVER CITY
ARLEDGE
ROTAN
ANSON
BIG SPRING
326
116.1 MC.
SNYDER
ABILENE
379
116.1 MC.
BRECKENRIDGE
TAYLOR
FORT WORTH
365
WACO
STRAWN
HOBBS MUN.
SEMINOLE
HOGG
LAMESA
COLORADO CITY
LION'S CLUB
AVENGER
HARPERSVILLE
WEAVER
DALLAS
341
GORDON
HOBBS AAF
272 KC. 126.18 MC.
MIDLAND NO. 2 AAF
219 KC. 126.18 MC.
STANTON
HAMILTON
WESTBROOK
BAIRD
CISCO
RANGER
GORMAN
STEPHENVILLE
LOYD HINES
WINK
260
116.1 MC.
CONTINENTAL
MIDLAND
STANTON
SPADE RANCH
ABILENE AAF
WINGATE
ABILENE AIR TERM.
278 KC. 118.7 MC.
HINES
KERMIT
SKYHAVEN
MIDLAND COM.
SALT FLAT
W. ODESSA
ECTOR CO.
MIDLAND AAF
BIG SPRING
278 KC. 118.5.
126.18 MC.
WINTERS
COMANCHE
COLEMAN
BROWNWOOD
GOODFELLOW AAF
BRUCE
NO. CONCHO
SKY HARBOR
MILLER
FORT WORTH
SAN ANTONIO
WINK
MIDLAND
209
MONAHANS
ANDERSON
PECOS AAF
CRANE CO.
RITA SANTA
EL PASO
SAN ANTONIO
GOODFELLOW AAF
227
GOLDTHWAITE
PYOTE AAF
272 KC. 126.18 MC.
RANKIN
BIG LAKE
WHITE
CURTIS
LAMPASAS CO.
McCAMEY
SAN ANGELO-MATHIS
272 KC.
IRAAN
IRAAN MUN.
GIBBS
WIN
ELDORADO
C-B RANCH
LLANO CO.
BURNET
MASON CO.
KINSER RANCH
OZONA
JUNCTION
V.H.F. RANGE
NOTE: HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY "N" QUADRANTS
VARIATION: ← 12°E TO 10°E →
STARNS
MARFA AAF
FOR V.H.F. RANGES SEE CHARTS 144 TO 148
BLUE 30
MEDINA
RED 38
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
EL PASO 105
FORT WORTH 109
SAN ANTONIO 125
BIG SPRING 121
SAN ANTONIO 125
STATUTE MILES
ABILENE 107

FORT WORTH

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Bowie (Tex)	2.8 NW;bet RRs	1050	19	Cattle on fld.Trees N.
Brown (Bonham, Tex)	8 N;hwy W			ABANDONED
Byrn's Sky Ranch (Hillsboro, Tex)	5.8 NE	820	25 S6	80 oct.Data unver. Trees
Carthage Air Svc.(Tex)	1.3 W;hwy N,S	310	30 S2	80,91 oct.P-line N. E,W.
Clarksville (Tex)	2.8 NNW;RR SW	480	20 S6	73,80 oct.
Cleburne Northwest (Tex)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct
Commerce (Tex)	3.4 NNE	548	27 S6	80,91 oct. Hwy SE.
➸ Commercial(Durant,Okla)	5.2 W;RR N			ABANDONED
➸ Corsicana,com. (Tex)	2.8 SW;bet rds			ABANDONED
Corsicana,mun. (Tex)	5.6 SE;RR E	448	20h S6	
(A) Cox AAF (Paris,Tex)(A)	6.5 ESE;RR N	546	46h	CLOSED.
DALLAS Range (Love)(Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Decatur (Tex)	1.5 N;rd SW	1100	26 S2	80 oct.
Denton (Tex)	4 WSW	630	42h S6	80,91 oct.
DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
(P) Eaker (Durant,Okla)	3.2 SSW; RR NW	703	50h L5 S6	80,91 oct.All lgts prior req.
Elder (Kilgore,Tex)	2.5 NE;RR E	352	27 S6	80,87,91 oct.P-line W.
(P) Ellis Co.(Waxahachie,Tex)	3.5 NE;RR S	585	31 S2	73 oct.P-line S.
Ennis (Tex)	1.5 NW;RR E	540	18 S4	Ltd 73 oct. No sto.
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°, 2.4	SBRAZ-DTXV	(3); 116.1, 122.1 ver
Gage (Teague, Tex)	1.7 N		22 S4	80 oct.P-line W.Data un-
(A) Gainesville (Tex)	3.8 WNW;RR S	833	45h S5	80,91 oct. ARMY TEMP.
Gainesville com (Tex)	3 NNE;hwy W	800	30	CLOSED INACT.
(A) Gaskin (Sherman,Tex)(A)	12.6 SW;rd E	745	40h	TMP INACT-NO FACS.
➸ GRAUWYLER PARK H Fac.				DECOMMISSIONED
Gray (Denison, Tex)	2.5 E;RR N	675	24 L S6	80 oct.Emerg.lgts by cir
(P) Gregg Co.(Longview,Tex)	7.2 S;riv N	365	52h S1	80,91 oct. cling fld.
(P) Hamilton (Tex)	2.3 SSW;hwy E	1250	47 S6	80 oct.Fence sur fld. req.
Hartlee (Denton,Tex)	5.4 NE	588	40 L S6	80,91 oct.Port lgts prior
HASLET H Fac. (Tex)	371 (T)	1°,8.1	FMHW	(Cont.) Ft. Worth P-line S.
Henderson (Tex)	2.1 WNW;hwy S	410	19 S2	73 oct.
Holmes (Gilmer, Tex)	4 N;RR W	370	23	P-line W.Cattle on fld.
(P) Idabel (Okla)	1.3 NW;RR E	500	39 S2.	80 oct.P -line NE
Jacksonville (Cypress,Tex)	3 N;RR E	500	26 S6	73,80 oct.P-line ENE.
Jones (Bonham, Tex)	2 NNE;hwy E	616	18 L S1	80,91 oct. Lgts on req.
Legion (Paris, Tex)	1.9 NW;RR E	538	31 S6	80 oct. P-line E.
LOVE Tower (Dallas,Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18 No flood.
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	73-100 oct.Poles S lgts.
McKinney (Tex)	2.1 S;hwy W	616	23 S2	80 oct. Poles E,W.
(P) Majors (Greenville, Tex)	5 SSE;RR W	544	55h S4	80, 91 oct.
Marshall (Tex)	3.9 SE;hwy N	400	30 S6	73 oct.P-line N.
MEACHAM Tower (Fort Worth, Tex)	272 (126.18, 118.7)		AC (ILS)	(4);126.18,118 7,122.5
(N)(P) [Meacham](Fort Worth, Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73-100 oct.NATS (Hospital flights)
Mexia (Tex)	1 SE;RR NW	550	24 S2	80 oct.
➸ Mount Pleasant (Tex)	2.8 ENE;RR S			ABANDONED
Muenster (Tex)	2.6 E;RR S	1010	26 S1	80 oct.P-line S.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Nacogdoches (Tex)	4 WSW;hwy E	370	43h S5	80, 91 oct.
(P) Palestine (Tex)	4.5 WNW;hwy N	410	40h L5 S6	80, 91 oct.
* Parker Int,48,JI-FV (Tex)	0.6 N;hwy W	847	31 L3	
(A) Perrin (Sherman,Tex)(A)	6.4 NNW;RR N	753	51h	TMP INACT.NO FACS.
(P) [Pounds] (Tyler, Tex)	5.5 W;hwy N	543	51h L5 S4	80,91 oct.Ctc lgts prior
(P) Rusk Co.(Henderson,Tex)	2.5 WSW;hwy N	440	30h	req. No sto.
Rodeo City(Jacksb'o,Tex)	4.5 N;arena W	1080	23 S2	80 oct.P-line SE.Trees SSE
St Jo (Texas)	1 N;lake 1 E	952	37	P-line NNE
Seventy-Five (Corsicana, Tex)	1.8 N;RR W	480	21 L S6	73 oct.No sto.Port rnwy lgts. Poles NW.
Sherman (Tex)	1.4 SE;hwy N	749	25h S6	80 oct.
* Simms Int,14,DL-LV (Tex)	1 NE;hwy E	357	26 L3	P-line E,S.
South Sulphur (Greenville)	9.5 NNE	550	30	(Tex)
Southworth(Ft.Worth,Tex)	4.2 S;crk W	650	25 S4	80,91 oct.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts.
Stewart (Tyler, Tex)	2.5 E;hwy N	520	32 L S6	80,91 oct.Poles W.Ctc lgts prior req.Rnwy data
SULPHUR SPRINGS H Fac.	224 (ZO)		MHW	Operates cont. unver.
Sulphur Springs, 7B, DL-LV (Tex)	1.9 NW;RR S	472	35 L3 S1	80 oct.P-line S,SE
TYLER Range (Tex)(Pounds)	320(TQ)(116.1)	124°,1.6	BMRLZ-DTV	(4);116.1,122.1
WACO Range (Tex)(Mun.)	385(WC)(vhf)	9°, 2.6	SBRAZ-DTV	(4); 116.1, 122.1
Waco (Tex)	7 NNE;bet RRs	470	63h	
➸ [Waco Mun.] (Tex)	6 NW;lake S	500	57h L5 S6	80,91,100 oct.
(A) Waco #5 (Prairie Hill,Tex)	2 S;hwy N	560	40h	CLOSED (A) NOT
Waxahachie (Tex)	1.5 SSW	558	16 S1	73 oct. Hwys E. MAINT.
Weddington (Hugo,Okla)	1.9 NW;hwy SW	550	24 S6	80 oct. P-line E.
Whaley (Gainesville,Tex)	5.7 WSW;RR N	820	20 S6	80 oct.P-line N.
** Wills Point Int,7,FV-AG	5.9 NW	529	28 L3	(Tex)
Wisener (Mineola, Tex)	1.5 NW;hwy S	510	32 S2	73 oct.
Wolfe City (Tex)	2 N		20	No fuel P-lines N. Data unver.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

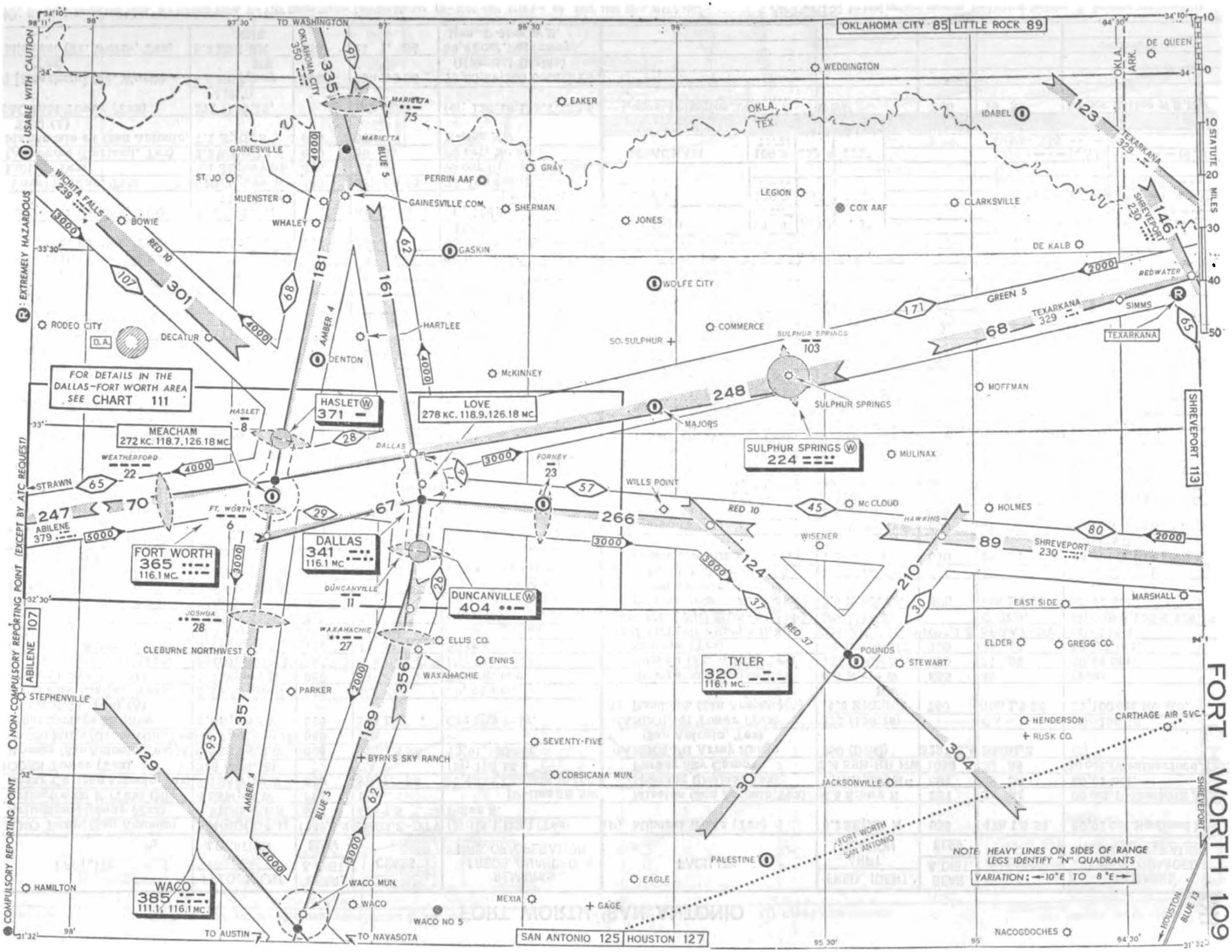
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
➸ LOVE	110.3 -.-..	335	126°	IM-	MM- .--.-(0.7)	OM- --(4.35)
					MMK-	OMK-266 --..
				IM-	MM-.	OM-
MEACHAM	109.9 ..-.-	333.8	172°	IM-	MM- .-.-(0.71)	OM- --(4.10)
					MMK- 356 ...-	OMK-

NEW FACILITIES

East Side (Longview,Tex)	2.4 NE;RR S	352	25 L S6	80,91 oct. Port rnwy lgts. P-line S
Hoffman(Mt.Pleasant,Tex)	2 SSW;RR E	416	32 S4	80oct.P-line N.
Mulinax(Winnsboro,Tex)	1.3 SE	533	26 S1	80oct.P-line NNE.
Irving (Tex)	1.6 NNE;hwy N	420	28 S6	80,91 oct.P-line N,W
De Queen (Ark)	3 NW;rd E,S	400	24 S1	80 oct.Appchs blkd
Pulley(Arlington,Tex)	0.6 N	616	28 S4	80 oct.P-line NW Trees S.
Skyview(Ft.Worth,Tex)	9.3 NNW;lk 2.5 W	790	32 S1	80 oct.P-line NW
Eagle(Fairfield,Tex)	1.4 E	461	24 S2	80 oct.P-line S
➸ Marshall's(Dallas,Tex)	7.2 SE	475	28 S6	80 oct.P-line SW,S

RADIO: S - Simul. Range and Voice. W - Without Voice. 2 - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.85 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
➸ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


OKLAHOMA CITY 85 LITTLE ROCK 89
TO WASHINGTON
OKLAHOMA CITY 350
335
91
MARIETTA
75
MARIETTA
BLUE 5
GAINESVILLE
ST. JO
MUENSTER
WHALEY
GAINESVILLE COM.
PERRIN AAF
GRAY
EAKER
WEDDINGTON
OKLA.
TEX
IDABEL
DE QUEEN
OKLA.
ARK.
123
TEXARKANA
329
SHREVEPORT
230
146
LEGION
COX AAF
CLARKSVILLE
SHERMAN
JONES
DE KALB
GASKIN
WOLFE CITY
REDWATER
2000
GREEN 5
171
TEXARKANA
SIMMS
65
WICHITA FALLS
239
3000
RED 10
BOWIE
107
301
4000
68
181
161
62
AMBER 4
RODEO CITY
D.A.
DECATUR
HARTLEE
DENTON
COMMERCE
SULPHUR SPRINGS
103
SO. SULPHUR
McKINNEY
248
MAJORS
HOFFMAN
SULPHUR SPRINGS
FOR DETAILS IN THE DALLAS-FORT WORTH AREA SEE CHART 111
HASLET
371
LOVE
278 KC. 118.9, 126.18 MC.
MEACHAM
272 KC. 118.7, 126.18 MC.
HASLET
8
28
DALLAS
WEATHERFORD
22
4000
STRAWN
65
70
247
ABILENE
379
5000
FT. WORTH
6
29
67
3000
FORNEY
23
57
WILLS POINT
266
RED 10
45
McCLOUD
HAWKINS
HOLMES
80
2000
89
SHREVEPORT
230
SULPHUR SPRINGS
224
MULINAX
FORT WORTH
365
116.1 MC.
DALLAS
341
116.1 MC.
DUNCANVILLE
11
DUNCANVILLE
404
26
WISENER
3000
124
37
RED 37
210
30
EAST SIDE
MARSHALL
JOSHUA
28
WAXAHACHIE
27
ELLIS CO.
ENNIS
WAXAHACHIE
CLEBURNE NORTHWEST
ABILENE 107
TYLER
320
116.1 MC.
POUNDS
STEWART
ELDER
GREGG CO.
STEPHENVILLE
PARKER
2000
356
357
95
189
HENDERSON
RUSK CO.
CARTHAGE AIR SVC.
SEVENTY-FIVE
BYRN'S SKY RANCH
CORSICANA MUN.
JACKSONVILLE
304
30
FORT WORTH
SAN ANTONIO
SHREVEPORT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 10°E TO 8°E
PALESTINE
EAGLE
MEXIA
GAGE
HAMILTON
WACO
385
111.1, 116.1 MC.
WACO MUN.
WACO
WACO NO 5
TO AUSTIN
TO NAVASOTA
SAN ANTONIO 125
HOUSTON 127
NACOGDOCHES
HOUSTON
BLUE 13
SHREVEPORT 113
FORT WORTH 109
STATUTE MILES
0
10
20
30
40
50
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT

FORT WORTH - SAN ANTONIO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1(Tex)
Arlington-Midway (Tex)	6.8 NNE;RR S	567	41h L5	Poles S.
(N) Arlington OLF (Tex) (N)	4 SSW;rd W	695	13h	P-line SE,SW.
Bexar Co. (San Antonio,Tex)	7.1 SSW;rd W	640	37h L S6	80,91oct.Ctc lgts on req.
BROOKS Tower (Tex).	396 (126.18)		CA	(3); 126.18
(A) Brooks (San Antonio,Tex) (A)	6.5 SSE;RR W	594	52h L5 S6	73,91,100 oct.
Caddo Mills (Greenville,Tex)	10.7 SW;hwy W	540	40h	
(A) Clear Springs #5 (New Braunfels, Tex) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Clearview (Dallas, Tex)	5.1 SSW;RR N	619	30h S6	80, 91 oct.
Craigg (Sayers, Tex)	1.8 W;hwy N	650	29	Emerg. use.
DALLAS Range (Love) (Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Davis (San Antonio, Tex)	6.7 N;RR SE	780	17 S1	80 oct.
DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
Eagle Mtn Lake	1 SSE;RR NE	745	60h	CLOSED (Newark,
Faurie (Gonzales, Tex)	2 NNE	340	22 S4	80 oct.P-line NNE Tex.
➝ Fliers (Dallas, Tex)	6.5 WSW;RR W			ABANDONED
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°,2.4	SBRAZ-DTXV	(3); 116.1, 122.1
FORT WORTH AAF Tower	317(126.18)+		CA ◆:45,05	(3); 126.18
(A) Fort Worth AAF (Tex)(A)	6.8 WNW;lk N	636	82h L5 S6	73,91,100 oct. JP-1.
(N) Grand Prairie OLF (N) (Tex)	1 WSW;RR N	529	30h L5 S4	73 oct.No dcn.
➝ GRAUWYLER PARK (Tex)				DECOMMISSIONED
Handley (Tex)	0.6 NE;RR S	630	26 S6	73 oct.
HASLET H Fac.(Tex)	371 (T)	1°, 8.1	FMHW	(Cont.) Ft. Worth
HENSLEY Tower (Tex)	396 (126.18)		CA	(4); 126.18
(A,N) Hensley (Dallas,Tex) (A,N)	11 WSW;hwy N	495	52h L5 S4	73,91,100 oct.
Hicks (Ft. Worth, Tex)	12.5 NNW	820	27	Lake W.
Highland Park (Dallas,Tex)	9 N;RR E	622	27h L S6	80,91 oct.P-line E. Ctc lgts N/S rnwy. Data unver.
Hudson (Dallas, Tex)	9.6 NE;RR SE	614	17h S6	80,91 oct.P-line W.
Hurt (San Antonio, Tex)	6.5 WNW	680	40 S6	80,91 oct.P-line NW.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A). Kelly (San Antonio,Tex) (A)	6.2 WSW;RR SE	675	72h L5 S6	62,73,91 oct.JP-1. FOR.CLEAR.STN.
➝ Kuehler (New Braunfels,Tex)	1.7 SE;riv NW			ABANDONED.
Lake (San Antonio, Tex)	10 S;RR E	700	27 S1	80,91 oct.
Leon Valley (San Antonio)	8.6 WNW;hwy E	710	40 S6	73,80,91 oct.P-line N,W
Lou Foote (Dallas, Tex)	8.8 S;hwy E	665	35 S6	73,80,91 oct.Bldgs NW. N, NE.
LOVE Tower (Dallas, Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18 No flood lgts.
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	73-100 oct. Poles S.
Luling (Tex)	1.1 SE;hwy NE	418	18 S1	80 oct.P-lines sur fld.
Luscombe (Garland, Tex)	2.2 WSW;RR N	610	50 S5	80 oct. No sto.
(A) Martindale #4 (San Antonio, Tex) (A)	7.1 E;RR S	660	30h	P-line NW
MEACHAM Tower (Tex)	272 (126.18, 118.7)		AC (ILS)	(4); 126.18,118.7,122.5
(N,P) [Meacham] (Ft. Worth) Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73,80,91,100 oct.NATS (Hospital flights)
Midwest (Ft. Worth, Tex)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts. P-line W,S.
(P) Mineral Wells (Tex)	3.2 SE;RR N	938	42h L5 S4.	80,91 oct.No flood lgts
Mission (San Antonio,Tex)	4.5 S;hwy E	567	24 S4	80 oct.P-line NNE,SSE.
Mustang (Dallas, Tex)	6 NNE;hwy NE	604	32 S6	80,91 oct.
Parker Sky Camp	3.4 SSE;RR NW	1050	23 S4	80 oct.(Weatherford,Tex)
RANDOLPH Army Range (San Antonio, Tex)	359 (DRQ)	322°,2.0	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio)(A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riomedina (Castroville)	4.5 N;riv W	855	45	(Tex)
Russell (Ft. Worth, Tex)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
Saginaw (Tex)	0.5 WNW;RR E	790	26 S6	80, 91 oct.
SAN ANTONIO Range (Kelly)	254(ZN)(116.1)	107°,1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO [San Antonio Mun.-Alamo] (San Antonio, Tex)	278 (118.5) 7.8 N;RR SE	800	C (ILS) 55h L6 S4	(4);118.5,122.5,126.18 80,91 oct.
➝ Schneider (Seguin, Tex)	2.2 WNW;RR N			ABANDONED.
Second Ave.(Dallas,Tex)	7 SE;RR N	530	26 S1	73,80 oct.Use strips. Poles S.
Seguin (Tex)	3.3 WSW;riv E	400	37 S4	80 oct.Trees NNE,SSE.
(A) Seguin #1 (Tex) (A)	3 E;rd N	520	54h	
Skyline (Dallas, Tex)	3.2 SSE;riv E	430	26 S6	80,91 oct.Trees NW.
Sky Ranch (Arlington,Tex)	See Lucas Field under "New Facilities" - name changed			
STINSON Tower (Tex)	209		CI	3105, 6210 (8-21)
Stinson (San Antonio,Tex)	6.2 SSE;hwy W	604	49h S6	80,91 oct.P-line S,WNW
T.C.U. (Ft. Worth, Tex)	6.6 SW;RR S	710	24 S6	80, 91 oct.
Terrell Mun. (Tex)	1.5 SE;RR W	490	30h	80, 91 oct.
Wallace (Terrell, Tex)	2 W;RR S	500	19 S2	80 oct.
Wallace #2 (Kaufman,Tex)	4 W;hwy N			ABANDONED
Weatherford Mun. (Tex)	1 W;hwy N	1147	38 S4	80 oct.
White Rock (Dallas,Tex)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
Yates (San Antonio, Tex)	13.7 N;hwy 0.5 W	968	33	6' fence sur fld.Use fld at own risk.
YOAKUM H Fac. (Tex) (Int.)	236 (YK)	352°,2.8	HW	
Yoakum (Tex)	4 N;hwy W	375	22 S6	80,91 oct.
★ Yoakum Int,7,JR-HU (Tex)	5 NW;hwy S	387	39 L3	
(A) Zuehl #6 (Tex) (A)	0.8 NE	610	30h	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALAMO	109.9	333.8	30°	IM-	MM-•—•—(0.68)	OM- ——(4.38)
				MMK-		OMK- 230 •———
LOVE	110.3	335	126°	IM-	MM-•—•—(0.70)	OM- ——(4.35)
➝				MMK-		OMK-266 —••
				IM	MM-	OM-
MEACHAM	109.9	333.8	172°	IM-	MM-•—•—(0.71)	OM- ——(4.10)
					MMK- 356 •••—	OMK-

NEW FACILITIES

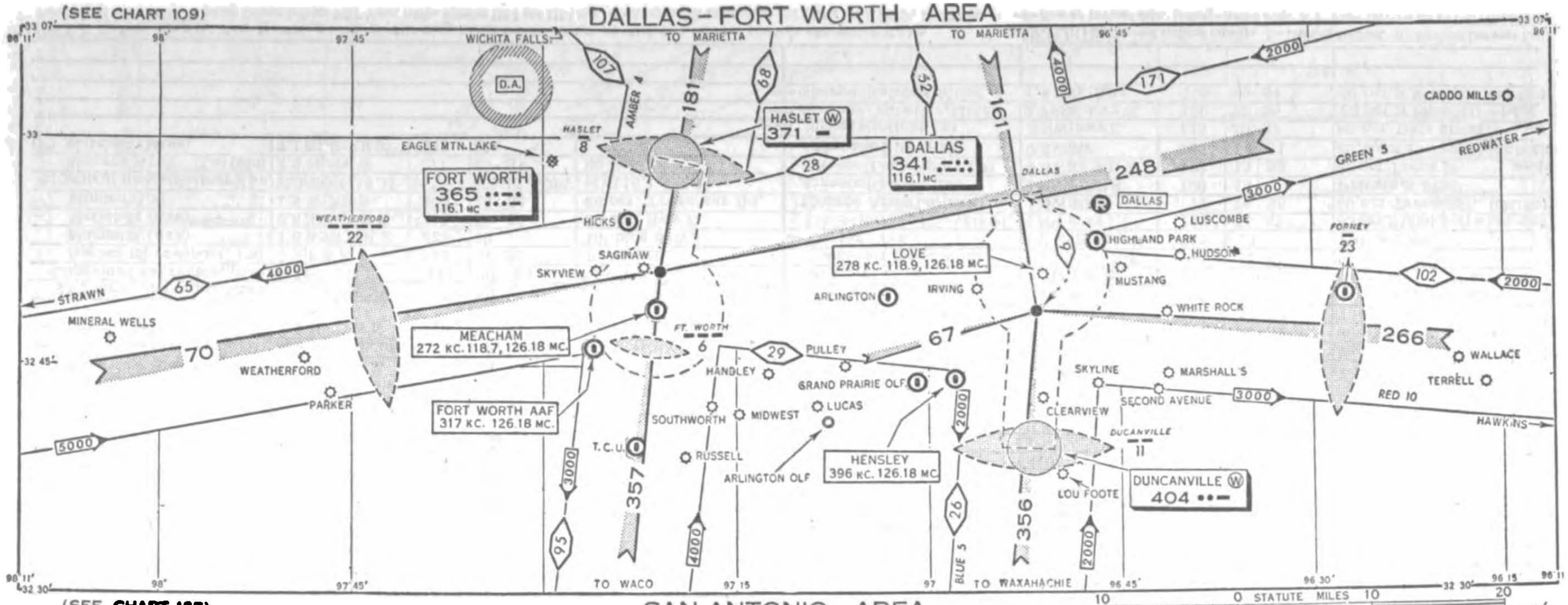
Lucas(Arlington,Tex)	3 SW	590	19 S2	80 oct.P-line N,S,NW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.65 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➝ New or revised data. [Jones] - Airline Stop, N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized

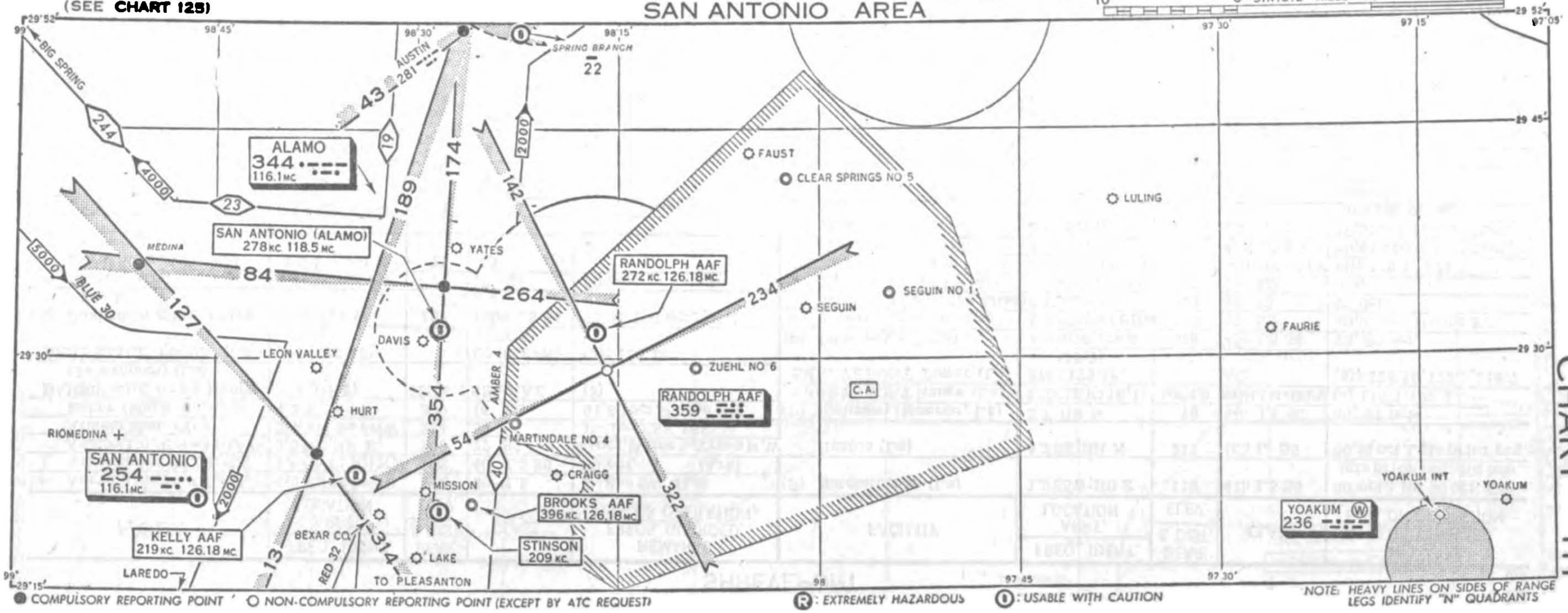
(SEE CHART 109)

DALLAS - FORT WORTH AREA



(SEE CHART 125)

SAN ANTONIO AREA



● COMPULSORY REPORTING POINT ' ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓓ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 111

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
✱ Arcadia Int,26,FV-AG	4.5 E;RR,hwy S	342	29 L3	P-line SW. (La)
Arkadelphia,24,DL-LV	1.5 ENE; RR NW	186	40 L3 S6	80 oct. (Ark)
Ashley Co.(Crossett,Ark)	5.5 NE;RR E	160	22 S2	80 oct.P-line S.Trees N.W
Atlanta Mun. (Tex)	2 WSW;hwy NW	264	37	P-line ESE,SSE.
Baker (Magnolia,Ark)	4.3 E;hwy S	300	18 S6	91,80 oct.P-line SW.
BARKSDALE Army Range (Shreveport) (La)	379 (DBY)	325°,4.4	SBMRAZ	(3)
BARKSDALE Tower (La)	396 (126.18)+		CA(ILS-W) (GCA)	(3); 126.18
(A) Barksdale (Shreveport, La) (A)	5.8 E;riv W	167	100h L5 S4	73,91,100 oct. JP-1.
→ Bastrop (La)	2.8 WSW;riv W	77	18 S1	80 oct.
Burnside & McDonald (Newellton, La)	1.5 SW;RR E	77	40	
→ Childress (Flora,Miss)	1.5 NNW;RR E	186	25 S1	73 oct.Trees,bldg N.
Cleveland (Miss)	2 NW;hwy S	140	26 S6	80 oct.P-line S,W.
Cole (Heads, Miss)	3 NE;RR W	118	16	
Cypress(Greeny'l,Miss)	2.4 SSW;hwy W	125	28 S4	80 oct. NNE blkd.
David G.Joyce(Winnfield)	See Joyce under "New Facilities" - name changed.			
Delhi Flying Svc. (La)	0.5 N	95	23 S4	80 oct.P-line E.Data unver
(P) De Soto Parish	4.3 NW;	322	51h S2	80,91 oct.(Mansfld,La)
Dixie Dusting (Greenv'l)	2 SE;RR,hwy N	118	16 S4	73 oct.No sto.(Miss)
Dossett(Beulah,Miss)	0.5 SE	160	21 S2	80oct.P-line S,SW.E,W
El Dorado (Ark)	1.5 S;rds W,E	277	24 S6	80 91 oct.P-line E. blkd.
(P) El Dorado-Goodwin (Ark)	8.6 W;hwy S	278	51h L5	No bound,flood,obst lgts.
Everett (Moorhead, Miss)	1 SE;RR N	127	37 S6	73 oct. No sto.
Ferriday (La)	1.5 N;RR,hwy E	55	17	
Gardner (Gilbert, La)	1 E;hwy S	75	16	PRIVATE
Grayson (Camden,Ark)	3.4 SW; hwy N	135	26 S6	80,91 oct P-line NE;trees
Greenville,mun. (Miss)	3.5 ESE;hwy N	118	40h S4	80 oct. SSW,NNE
(A) Greenville AAF (Miss)(A)	6.5 NE;rd W	129	40h L5 S2	80,91 oct.P-line E,SE.
Hart (Many, La)	1.8 SSW;RR E	242	24	Trees SSW.
Hinds Co.(Jackson,Miss)	12.8 W;RR 1.3 SE	244	40h	Pwrline N.
Hodge (La)	0.5 ENE ;hwy W	300	24	Trees sur fld.
Hope (Ark)	6 NW; RR E	359	55h L5 S6	80,91 oct.Use rnwys only
→ Jones(Merigold,Miss)	0.8 N;hwy,RR W	142	13 S1	80 oct.
→ Joseph H.Sharpe	See Sharpe under "New Facilities" - name changed.			
Lakeview (Leland,Miss)	1.5 SE ;lake E	120	16 S4	80oct.N,E blocked
→ L.B.Strange (Tutwiler)	See Strange under "New Facilities" -name changed.			
→ Leland (Elizabeth,Miss)	1.5 NE ;riv N	119	20 S2	80 oct.Pwrline NW.
LeTourneau(Yokena,Miss)	2.5 NW;riv NW	80	30 L S1	9loct.Bndry lgts pri.req.
Longview(Warrenton,Miss)	0.3 SE;RR W	110	20 S4	80 oct.E blkd P-line W
Lucien (Shreveport, La)	8 S;RR E	170	32 S6	80,91 oct.
Magnolia (Ark)	1.6 WSW;RR E	225	30	10' bldg SSW.
McGehee (Ark)	0.6 NNW;RR E	145	30 S1	80 oct. Hwy E.
Minden (La)	1.5 W;RR S	200	26 S4	80 oct. Trees sur fld.
MONROE Range(Selman)(La)	359(UO)(116.1)	25°,2.8	SBMRLZ-DTV	(4);116.1,122.1
Monroe Arpk (La) (old)	2.5 N;riv W	77	20 S1	80 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Natchitoches (La)	1.5 SSW;RR E	115	41h L5 S6	80 oct.; ltd 90 oct. Ctc lgts prior req. No bcn.
Ruston (La)	1.2 SE;RR N	317	16h L S6	80,91 oct.Lgts prior req.
(P) Selman (Monroe, La)	3 E;RR N	79	50h L5 S6	80, 91 oct.
SHREVEPORT Range (La)	230(ZH)(116,1)	146°,1.8	SBRAZ-DTV	(3);116.1,122.1
SHREVEPORT Tower (La)	278 (126.18, 118,7)		AC	(4); 126.18,122.5,118.7
(P) Shreveport (La)	2.5 NNE;riv E	179	45h L5 S6	73, 80 oct.
Shreveport Arpk (La)	4.5 SSW;bet RRs	200	47 S6	80,91 oct.P-line SE.
Skinner (Glen Allan,Miss)	4 N;lake W	110	18 S1	73 oct.
✱ Tallulah Int,36,FV-AG	2.4 ENE;hwy E	84	28 L3	(La)
TEXARKANA Range (Ark)	329(TR)(116.1)	123°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
Texarkana (Ark)	4 NE;RR W	389	40h L5 S6	80,91,100 oct.;100 oct.
Texarkana (Tex)	6 W;RR N	340	25 L S6	80,91 oct.Flare Army. pots in emerg.
Ulmer (Brookhaven, Miss)	1.5 NNE;RR W	500	24 S4	80 oct.
VICKSBURG H Fac.(Miss)	382(VS)(116.1)		MHTV	(4); 116.1,122.1
Vicksburg (Miss)	6.8 NE;hwy W	287	40 S4	80, 91 oct.Obst sur fld.
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct.
Woodside (Grace,Miss)	1.4 NW	106	24 S1	80 oct Tree SE;bldg NW
Yazoo Mun. (Miss)	2 N;RR E	110	18 S4	80 oct.No sto.
Watts (Round Lake,Miss)	3 N; hwy W	145	26 S2	Priv.80,91 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

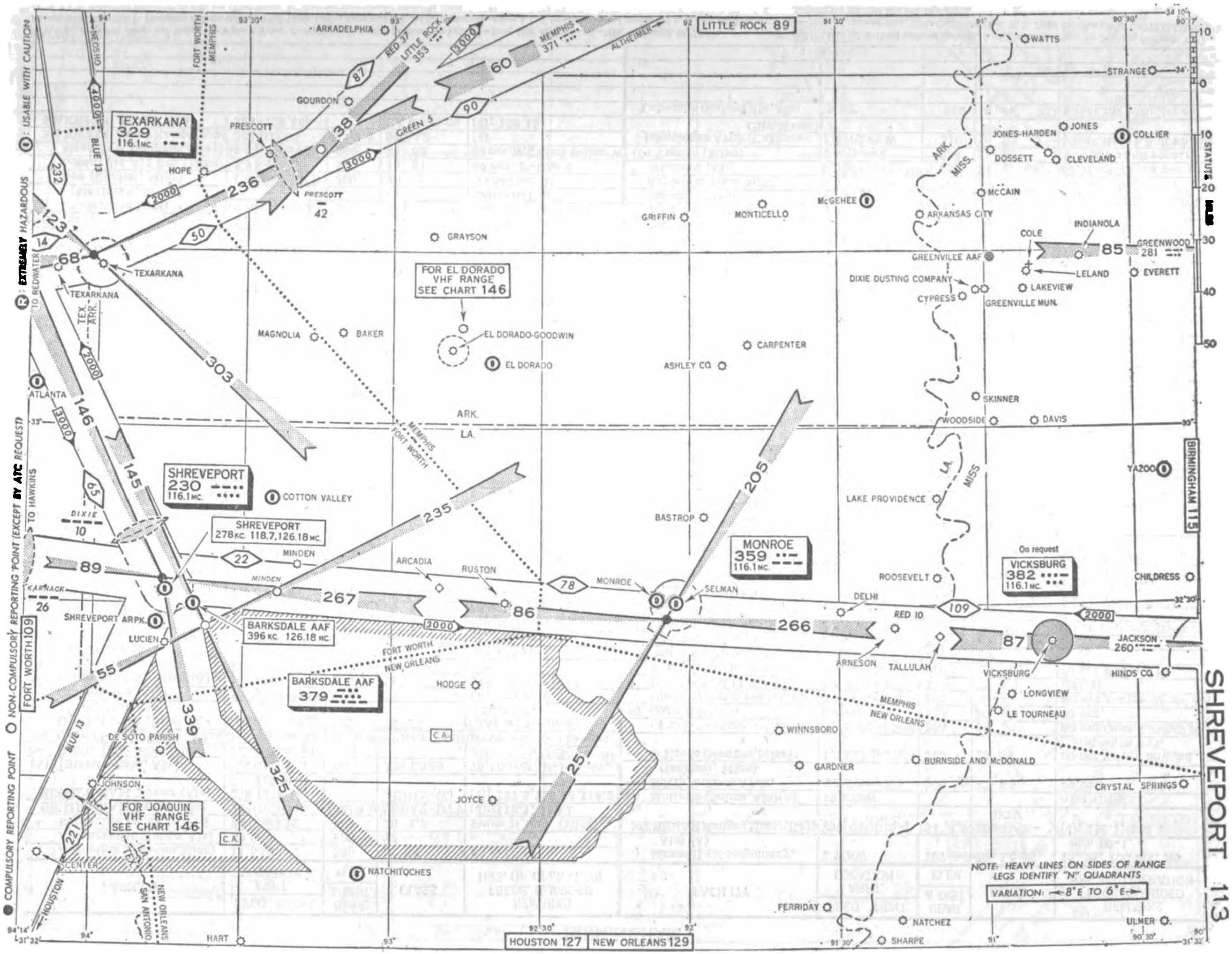
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BARKSDALE(A)	109.9	333.8	143°	IM- (0.01)	MM-•••••(1.00)	OM- — —(4.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

EL DORADO Range(Ark)	109,1 (LD)		VARW	
JOAQUIN Range (Tex)	(108,7)(WE)		VARW	
Indianola (Miss)	3 NW	125	45h S6	80,91 oct.
Collier (Drew, Miss)	0.6 NE;RR W	115	17 S1	80 oct.Trees S.
McCain(Benoit,Miss)	0.8 NNE;hwy E	140	16 S1	80 oct.S blkd.Ctn-parked acft.
Davis (Nitta Yuma,Miss)	0.5 SSE;RR W	115	19 S1	80 oct.P-line W.Rough.
Crystal Spgs.(Miss)	0.7 SE	470	21	P-line NE;N,S,NW blkd.
Gourdon (Ark.)	0.2 NW	250	22 S2	80 oct.NW blkd.Trees NE
Carpenter (Hamburg,Ark.)	0.7 NW;RR SE	150	21 S2	80 oct.Trees W.P-line
Griffin (Warren,Ark.)	2.3 ESE;riv E,S	200	28 S2	73 oct.Cattle on fld. W,S,E
Monticello (Ark.)	2.2 E;hwy S	230	27 L S6	80 oct.N,E,S,W blkd.
Prescott (Ark)	3 SW;RR E	280	21 S1	80,91 oct. Port lgts.
Roosevelt (Sondheimer,	2.1 NNW;RR E	85	13 S1	80 oct. (La)
→ Center, Tex	1.2 ESE;hwy N	345	20	P-line NNW.
Jones-Harden (Cleveland,	4 NW;hwy 1,2 S	140	21 S5	80 oct.S blkd.Soft when wet
Monroe Arpk(La)(new)	1.5 N;RR N	77	26 S6	80 oct.Trees SSE. (Miss)
Aineson(Quebec,La)	1 NNW;RR S	100	18	Private N blkd
Johnson(Logansport,La)	0.5 ENE;RR W	192	15 S2	80 oct.Trees N ends
Arkansas City (Ark)	0.8 WSW	125	19 S1	80,9loct P-lines block both
→ Joyce (Winfield,La)	3 NW;hwy E	130	30 S2	80 oct. Data unver.
→ Strange (Tutwiler,Miss)	0.7 SSE;hwy W	160	22 S6	80 oct,N blkd. wet.
→ Sharpe (Natchez,Miss)	1.8 ESE;RR S	135	26 S4	80 oct.N,W blkd.Soft when

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.86, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


LITTLE ROCK 89
TEXARKANA 329 116.1MC.
SHREVEPORT 230 116.1MC.
SHREVEPORT 278KC. 118.7, 126.18MC.
BARKSDALE AAF 396KC. 126.18MC.
BARKSDALE AAF 379
MONROE 359 116.1MC.
On request VICKSBURG 382 116.1MC.
FOR EL DORADO VHF RANGE SEE CHART 146
FOR JOAQUIN VHF RANGE SEE CHART 146
HOUSTON 127
NEW ORLEANS 129
SHREVEPORT 113
ARKADELPHIA
PRESCOTT
HOPE
GOURDON
GRAYSON
GRIFFIN
MONTICELLO
McGEHEE
ARKANSAS CITY
WATTS
STRANGE
JONES-HARDEN
JONES
COLLIER
DOSSETT
CLEVELAND
McCAIN
INDIANOLA
COLE
LELAND
GREENWOOD 281
EVERETT
GREENVILLE AAF
DIXIE DUSTING COMPANY
LAKEVIEW
CYPRESS
GREENVILLE MUN.
MAGNOLIA
BAKER
EL DORADO-GOODWIN
EL DORADO
CARPENTER
ASHLEY CO.
ATLANTA
SKINNER
WOODSIDE
DAVIS
YAZOO
LAKE PROVIDENCE
BASTROP
ROOSEVELT
DELHI
CHILDRESS
JACKSON 260
ARNESON
TALLULAH
VICKSBURG
HINDS CO.
LONGVIEW
LE TOURNEAU
WINNSBORO
GARDNER
BURNSIDE AND McDONALD
CRYSTAL SPRINGS
FERRIDAY
NATCHEZ
SHARPE
ULMER
ARCADIA
RUSTON
MINDEN
KARNACK
SHREVEPORT ARPK.
LUCIEN
DE SOTO PARISH
HODGE
JOYCE
JOHNSON
CENTER
NATCHITOCHES
HART
COTTON VALLEY
DIXIE
ARK.
LA.
TEX.
MISS.
ARK. MISS.
LA. MISS
TEX. ARK.
FORT WORTH MEMPHIS
MEMPHIS FORT WORTH
FORT WORTH NEW ORLEANS
MEMPHIS NEW ORLEANS
NEW ORLEANS
HOUSTON
SAN ANTONIO
ALTHEIMER
RED 37
LITTLE ROCK 353
GREEN 5
BLUE 13
RED 10
NECHES
TO REDWATER
TO HAWKINS
FORT WORTH 109
C.A.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 8°E TO 6°E
USABLE WITH CAUTION
HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE
BIRMINGHAM 115

BIRMINGHAM

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Augustine (Jackson,Miss)	11.5 SSW	335	4C S4	80 oct.
Autaugaville (Selma,Ala)	20.5 W	100	73	
* Batesville Int,29,NO-LS	3 W;hwy SE	205	25 L3	Poles N,lgtd. (Miss)
BIRMINGHAM Range (Ala)	224(BH)(116.1)	178°,3.0	SBRAZ-DTV	(3); 116.1, 122.1
BIRMINGHAM Tower (Ala)	278 (126.18, 118.3)		AC(ILS-W)	(4); 122.5,126.18,118.3
(A) [Birmingham, Ala]	5.5 NE;RR S	643	57h L5 S6	73,100 oct.JP-1 Army;
→ Bonita (Meridian,Miss)	2.5 ENE;hwy N			ABANDONED. Poles NE
(P) Carroll Cone(Tupelo,Miss	See Tupelo Airport under "New Facilities" - name changed			
Central Park (Birmingham, Ala)	5.2 NW;RR SE	535	18 S6	80,91 oct.P-lines NNW ,SSE,NNE.
Columbiana (Ala)	1.5 WNW;RR S	514	23	Lgt acft only.
(A) Columbus AAF(Miss)(A)	10 N;RR E	215	45h	TMP INACT.NO FACS.
CRAIG Army Range (Ala)	272 (DPP)	320°,2.5	BMRLZ	(3); 126.18
CRAIG Tower (Ala)	219 (126.18)		CA	(3); 126.18
(A) Craig (Selma,Ala) (A)	4.8 SSE	166	53h L5 S6	91, 100 oct.
Cullman (Ala)	5 SSE;hwy SW	740	17 S4	80 oct.Trees SSE.
Dallas (Selma, Ala)	2.2 SW;riv SSE	161	20 S1	80 oct, Trees NE.
[Dannelly](Montgomery, Ala.)	7.5 SW; hwy N	219	40h L5 S4	80, 91 oct.
(P) Demopolis (Ala)	7.8 WSW	198	50h	River NW.
E. Jackson (Jackson,Miss)	3.1 SSE;hwy N	310	20 S6	80 oct. Obst sur fld.
(A) Elmore (Montgomery,Ala)	10 N;hwy N	203	45	CLOSED (A)
Eupora (Miss)	1 NE;hwy S	325	20 S2	80 oct. Trees all apchs.
Eutaw (Ala)	2 SE; hwy N	160	23 S4	80 oct.P-line W.
Forest,46,FV-AG (Miss)	1 W;RR S	512	28 L3 S1	80 oct.
Foster (Tuscaloosa,Ala)	5.5 S hwy E	236	26 S6	80 oct. P-line,trees E
(A) Furniss (Selma,Ala)(A)	10 SSW			ABANDONED
* Gainesville Int, 55, FV-AG (Ala)	2 S;hwy W	174	31 L3	P-line SW.
Gragg,27,PS-TM (Clanton, Ala)	2.2 NE;crk S	571	26 L3 S6	80oct.Trees E,SE,W.Use ctn
Greenville,24,NO-AG(Ala)	5.5 WNW	561	26 L3 S3	80 oct.Trees N,S,W.Rough.
GREENWOOD Range (Miss)	281(GD)(116.1)	265°,1.9	BMLZ-DTV	(4);116.1,122.1
Greenwood Mun.(Miss)	2.3 SW;RR E	129	40h L5 S6	80,91 oct.P-line E,SE.
(A) Greenwood AAF (Miss)(A)	5.8 ESE;hwy N	162	50h	CLOSED.
Grenada (Miss)	4 N;RR S	207	51h L S4	80 oct.B-2 lgts on req.
HAWKINS Tower (Miss)	278 (126.18, 118.7)		C(ILS)	(4); 126.18,118.7,122.5
(A,N) [Hawkins](Jackson,Miss)	3 NW;RR SW	343	54h L6 S6	80,91,100 oct.Tank,stack
(A) Henderson (Selma,Ala)(A)	29 SW;riv W			ABANDONED E.
Houston (Miss)	1.5 SW;hwy N	342	31 S4	80 oct.NE,E,W blkd.
JACKSON Range (Miss) (Hawkins)	260(JA)(116.1)	173°,2.4	SBRAZ-DTV	(3); 116.1, 122.1
(NG) [Key] (Meridian,Miss)	3 SW;RR E	297	51h L5 S6	80,91 oct;100 oct NG.Ctc
Lauderdale Civil (Meridian, Miss.)	9 NNE;hwy E	310	32h	P-line S.] lgts prior req.
Lee (Canton, Miss)	1.4 WNW;RR E	300	29 S2	Cattle on fld. Trees sur fld.
Louisville Air Svc.(Miss)	3.9 S;RR W	500	16 S1	80 oct. P-line S.
Masonic (Columbus,Miss)	2.5 NE;hwy S	200	28 S2	80 oct.N,E blkd.P-line W
MAXWELL Army Range (Ala)	362 (DXW)	85°,2.0	SBRAZ	(4)
MAXWELL Tower (Ala)	396 (126.18)+		CA ➧ :49,09	(4); 126.18
(A) Maxwell (Montgomery, Ala) (A)	3 WNW	167	70h L5 S6	73, 91, 100 oct. No sto. JP-1.
MERIDIAN Range (Miss)(Key)	239(UM)(116.1)	154°,2.8	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Mollette (Selma,Ala)(A)	16.2 SSW			ABANDONED
→ North Jackson Arpk. (Jackson, Miss)	6 NE;hwy E	300	22 S6	80 oct.
O'Keefe (Newton,Miss)	1.5 ESE;rd N	363	23 S4	80 oct.Trees SSW,SE. Soft when wet.
Oktibbeha (Starkv'l,Miss)	7.5 ENE;lake N	326	33 S6	80 oct.Obst S,SW,W,NW
(P) Oxford (Miss)	8 S;riv N,W	300	30 S2	73 oct.
Philadelphia Arpk (Miss)	2 SE;hwy SW	500	24 S6	80 oct.P-line W. No sto
* Rockport Int,12,NO-LS	1.5 E;riv W	217	28 L3	(Miss)
Roberts (Birmingham,Ala)	3 W;RR N	610	29 S6	80 oct.P-lines N.
Selma-Selfield (Selma,Ala)	4 ENE;RR S	130	40h	
(P) Starkville (Miss)	2.5 SW;RR NW	325	50h	
Stinson (Aberdeen,Miss)	2.8 NW;hwy E	239	40 S2	80 oct.P-line N;trees NW.
TUSCALOOSA H Fac.(Ala)	206(TU)(116.1)		MHTV	(4);116.1,122.1
Van de Graaff,59,FV-AG (Ala)	3 NW;RR N	172	52 L4 S6	80,91 oct. Obsts sur fld.
Walker Co. (Jasper,Ala)	2.2 NNE;RR W	527	31 L5 S4	80, 91 oct.
Winona (Miss)	1.0 SSE;RR W	370	28 S6	80,91 oct.Trees N,S. Rough.
* Zeiglerville Int,19,NO-LS (Miss)	3 SW; crk S Hwy E	274	26 L3	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

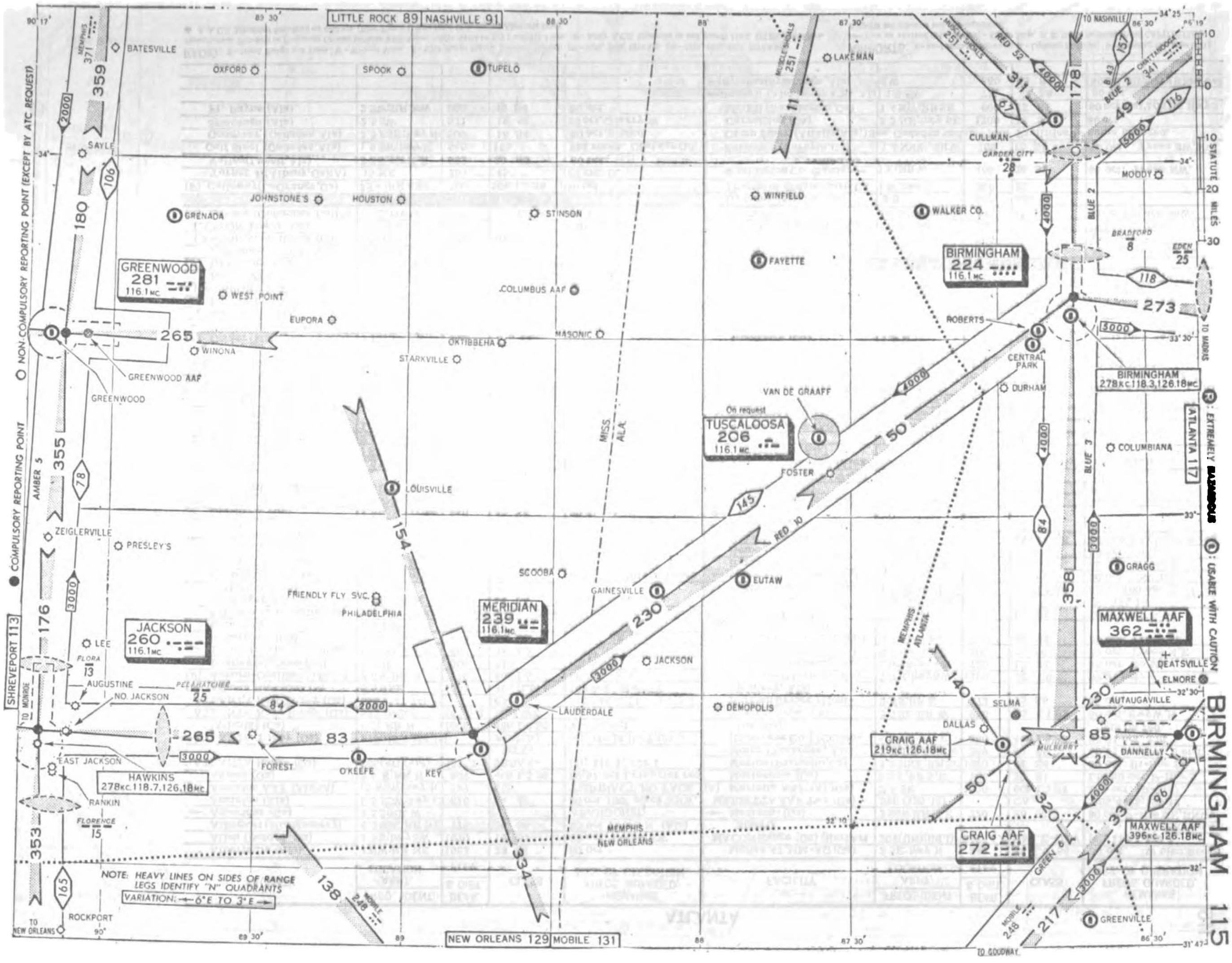
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIRMINGHAM				IM-	MM-	OM-
HAWKINS	109.9	333.8	108°	IM-	MM- MMK356 ····(0.72)	OM- OMK375 — ···(5.4)
				IM-	MM- .-.-(0.70)	OM- — —(4.43)
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Friendly Flying Service (Philadelphia,Miss.)	0.7 SE	500	22 S4	80 oct.
Deatsville (Prattsville,Ala	9.5 NNW;hwy W	524	40	Emerg only. S,SE blkd.
Durham (Bessemer,Ala)	2.5 SW,RR SE	500	23 L S6	80 oct.Rng lgts prior req.
West Point (Miss)	1 NE;RR W	250	19	Landing area rough.
Rankin (Jackson,Miss)	4 SSE;hwy W	250	30 S6	80 oct.
Presley's (Pickens,Miss)	1 NNE;RR E	230	23 S6	80 oct.Poles sur fld.
Fayette (Ala)	2.1 NNE;hwy W	356	18 S1	80 oct,P-line NW.
Jackson(Livingston,Ala)	1 N;hwy E	170	18 S4	80 oct
Scooba (Miss)	0.5 NE;RR W	250	19 S4	80 oct.P-line SE Soft when wet
Sayle(Charleston,Miss)	3.3 W;crk S	160	20 S2	80 oct Bldg S
Winfield (Ala)	0.5 SSE;hwys NNE	460	24 L S4	80,91 oct.Trees sur fld
(P) Tupelo (Miss)	3 W;hwy S	338	32 S6	80 oct No acft repairs.
Johnstones Arpk (Calhoun City,Miss.)	1.8 N;hwy W	210	16 S2	80 oct.Rough,Soft when wet.
Lakeman (Haleyville,Ala)	5 NE	810	18 S4	80 oct.SW hills,trees.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. ✢ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ➧ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


LITTLE ROCK 89 | NASHVILLE 91
NEW ORLEANS 129 | MOBILE 131
BATESVILLE
OXFORD
SPOOK
TUPELO
LAKEMAN
SAYLE
GRENADA
JOHNSTONS
HOUSTON
STINSON
WINFIELD
WALKER CO.
CULLMAN
GARDEN CITY
MOODY
BRADFORD
EDEN
FAYETTE
GREENWOOD 281 116.1 MC
WEST POINT
COLUMBUS AAF
EUPORA
MASONIC
OKTIBBEHA
STARKVILLE
WINONA
BIRMINGHAM 224 116.1 MC
ROBERTS
CENTRAL PARK
DURHAM
COLUMBIANA
BIRMINGHAM 278KC 118.3, 126.18MC
GREENWOOD AAF
GREENWOOD
VAN DE GRAAFF
On request
TUSCALOOSA 206 116.1 MC
FOSTER
LOUISVILLE
ZEIGLERVILLE
PRESLEY'S
SCOOBA
GAINESVILLE
EUTAW
FRIENDLY FLY SVC.
PHILADELPHIA
MERIDIAN 239 116.1MC
JACKSON 260 116.1MC
LEE
AUGUSTINE
NO. JACKSON
JACKSON
LAUDERDALE
DEMOPOLIS
EAST JACKSON
HAWKINS 278KC 118.7, 126.18MC
FOREST
O'KEEFE
KEY
RANKIN
ROCKPORT
TO NEW ORLEANS
SHREVEPORT 113
TO MONROE
GRAGG
MAXWELL AAF 362
DEATSVILLE
ELMORE
AUTAUGAVILLE
SELMA
DALLAS
CRAIG AAF 219KC 126.18MC
CRAIG AAF 272
MAXWELL AAF 396KC 126.18MC
GREENVILLE
TO GOODWAY
MEMPHIS NEW ORLEANS
MEMPHIS ATLANTA
ATLANTA 117
TO NASHVILLE
CHATTANOOGA
TO MADRAS
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ← 6°E TO 3°E →
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
Ⓡ: USABLE WITH CAUTION
Ⓔ: EXTREMELY HAZARDOUS
BIRMINGHAM 115

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Albertville (Ala)	1 NW;RR NE	1063	2S S6	80 oct.
Allen (Buford, Ga)	1.5 S;hwy SW	1070	15 S1	80 oct. P-line SW.
Allenport (Montgomery)	4.3 SSE;RR NE	175	30 S6	80 oct. Trees N. (Ala)
→ Americus (Ga)	1.5 S;RR W			ABANDONED
Anniston (Ala)	5.5 SSW;hwy E	610	24 S6	80 oct. 100' stack WNW.
(A) Anniston AAF (Ala)(A)	15 WSW;hwy N	527	53h	TMP INACT. NO FACS.
Athens (Ga)	3.5 E;RR N	807	40h L3 S6	80,91 oct. Lgts prior req
ATLANTA Range (Ga)	266(AG)(vhf)	331°,1.9	SBRAZ-DTXV	(3); 116.1, 122.1
→ ATLANTA Tower (Ga) [Atlanta] (Ga)	278(118.7,126.18)		AC(ILS)	(4); 126.18,118.7,122.5
ATLANTA Navy Range (Ga)	8 S; RR N	1005	48h L6 S6	73-100 oct.
ATLANTA NAS Tower (Ga)	323 (NCQ)	86°,3.2	MRLWZ	
(N) Atlanta NAS (Ga) (N)	356 (142.74)		CN	3105,4495,3117.5;142.7
(P) Auburn-Opelika (Auburn)	8.5 NNE	1002	39h (L6) S6	100 oct. Hwy SE.
→ Bentley (Calhoun Falls, S.C.)	2.8 E;RR N	770	40h L5 S6	80 oct. (Ala)
→ Butler 14, TJ-AG (Ga)	3 ENE	500	21	RR NNW.
Cedartown (Ga)	0.5 NW;RR S	667	32 L3	S,SW,NE blkd.
Centre (Ala)	1.2W;hwy SE	800	30 S4	80 oct. SE blkd.
City-Co. (Carrollton, Ga)	0.6 NNW	720	22 S4	80 oct. Trees SSE.
Clevenger's Arpk. (Marietta, Ga)	See Carrollton Airport under "New Facilities"-name changed			
Cobb (Marietta, Ga)	5 NE;RR W	1080	14 S4	Ltd 80 oct. No sto.
(A) Cochran (Macon, Ga)(A)	6.4 SSW;rd S	1050	20 S6	Ltd 80 oct. No sto. Trees
→ Cochran 50, MM-AG (Ga)	10 S;RR E	354	50h	TMP INACT. NO FACS. NW.
Columbus (Ga)	5 NE;riv E	324	30 L3 S6	80 oct. Trees SSW. (Ga)
(P) Cordele (Ga)	1.5 SSE;riv SW	240	45 S6	80,91 oct.
Crawford W. Long (Jefferson, Ga)	1.6 NNE;RR W	305	52h	
(N,P) Dublin (Ga)	2.5 S;RR E	950	27 L1 S6	80 oct. P-line ESE.
Elberton (Ga)	4.5 WNW;hwy S	303	50h L2 S6	Fld lgts on req.
→ Felton (Cartersville, Ga)	2 SE;hwy W,N	800	19 S1	80 oct. NATS (Hospital)
Flying "S" Ranch (Villa Rica, Ga)	2.5 N;hwy W	790	24 S4	80 oct. Obst sur fld blkd.
Gadsden (Ala)	1.7 NE	1040	17 S4	80 oct. ENE,WSW,NNW
Gainesville (Ga)	See Gulf Steel under "New Facilities"- name changed.			80 oct. No sto. Rocks NE
→ Griffin-Spaulding (Griffin)	1.5 S;RR E,NW	1277	40h (L6) S6	Data unver.
GUNTER Tower (Ala)	1.5 S;hwy SSE	936	30 L4 S6	80,91 oct. Lgts on req.
(A) Gunter (Montgomery, Ala)	201(126.18)		CA	80,91 oct. ENE,SSE,WSW
→ Herbert Smart (Macon, Ga)	5 NE;hwy N	225	37h L5	(3) (Oper. on NNW blkd a variable schedule)
Hurtsboro (Ala)	4 ESE;hwy W	463	47h L5 S6	(A)
* Jackson Int, 57, MM-AG (Ga)	2.5 SE;RR SW	349	23 S1	80, 91 oct. P-line NE.
→ JONESBORO K Fac. (Ga)	4.6 SW	716	30 L3	78 oct.
Kings (Milledgeville, Ga)	See Milledgeville under "New Facilities" - name changed.			DECOMMISSIONED.
(P) La Grange (Ga)	See Calloway Arpt under "New Facilities"-name changed			
Lakewood (Atlanta, Ga)	4 S;lake SE	1026	16 S4	80 oct.
LAWSON Army Range (Ga)	379 (DVL)	21°,3.3	BMRLZ	(3)
LAWSON Tower (Ga)	278 (126 18)+		CA	(3); 126.18
(A) Lawson (Columbus, Ga)(A)	9.5 S;riv W	232	59h L5 S6	91,100 oct. No sto.
	NEW FACILITIES			
(P) Calloway (LaGrange, Ga)	3 SW;RR ESE	700	50h L2 S6	80 oct
Turner #1 (Albany, Ga)(A)	15 NE	285	45	CLOSED.
Valley (Lanett, Ala)	2 SE;riv N,E	552	26 S6	80 oct.
Gulf Steel (Gadsden, Ala)	1.9 SW;hwy N	540	15h	Fld rough. Obst sur fld.
Goodyear (Gadsden, Ala)	3.5 ESE;hwy N	500	18 S4	80 oct. E blkd.
Sylacauga (Ala)	2.5 SW	571	19 S6	80 oct. Quarry W
Ft. Payne (Ala).	2 SW;RR NW	800	18 S4	80 oct.
McRae, 47, MM-AG (Ga)	2 SE;hwy N	247	26 L3 S6	80 oct. W blkd. Rough
MACON Range (Ga) (Herbert Smart)	209(UN)(116.1)	246°,4.8	BMLZ-DTV	(4); 116.1, 122.1
→ Madison (Ga)	2 SSW;RR,5 E			SSE blkd.
MARIETTA AAF Twr (Ga)	396 (126.18)	720	26 S2	80 oct. P-line NE,NNW.
(A) Marietta AAF (A) (Ga)	2.5 SE		CA	3105,4495;126.18
Montezuma (Ga)	1.5 E;RR S,W	1030	60h L5 S4	100 oct. JP-1.
Morton (Palmetto, Ga)	1.8 NNE;RR SE	300	35 S1	Ltd 80 oct. P-line S
Moton (Tuskegee, Ala)	3 N;RR;hwy W	1020	24 S4	80 oct. Hi-line SE.
[Muscogee Co.] (Columbus, Ga)	5.6 NE;RR E	269	40 S6	80,91 oct. Twr S end.
Newnan Arpk (Ga)	3.7 SE;RR W	386	40h L5 S6	80,91 oct. Fld lgts on req.
Norman Bridge (Montgomery, Ala)	5.8 S;RR E	970	23 L1 S2	80 oct. Hwy W,N
Parkaire (Marietta, Ga)	7.7 E;hwy SW	172	23 S4	80 oct.
Polo Arfld (Athens, Ga)	2 WSW;hwy N	1100	22 S6	80,91 oct.
Red Dog (Cochran, Ga)	6.2 NW;RR S	720	12 S4	80 oct. No sto.
→ Reginald Grant Memorial (Thomaston, Ga)	3.7 NNW;hwy S	300	23 S6	80 oct. Trees N,E.
Ries (Macon, Ga)	4.5 SE;riv E	750	30 S4	80 oct. Trees S.
ROBINS Tower (Ga)	284 (126.18)+	300	17 S1	80 oct. N,E blkd.
(A) Robins (Warner-Robins)	1.5 NE Wellst'n		CA	(3); 126.18
→ Roosevelt (Warm Spgs, Ga)	3.5 N;hwy W	295	70h L5 S6	62,73,100 oct. JP-1.(A)
Rockmart (Ga)	2 ENE;RR W	870	21 S2	80 oct. WNW blkd.
→ Rome (Ga)	3 NW;RR S	900	24 S6	80 oct. Trees N.
(N) Russell (Rome, Ga)	7 N;hwy N	669	26 S6	80 oct. E blkd.
* Siloam Int, 7B, AG-CS → (Ga)	1.3 S;hwy 1 NE	644	45h L5 S6	80,91 oct. Lgts prior req.
Souther (Americus, Ga)	4 NE;RR W	654	39 L3	SE blkd.
Talladega (Ala)	2.6 NE;hwy E	470	53 S6	80 oct. NE blkd, trees E.
* Tallapoosa Int, 73, FV-AG	5.5 SSE	590	18 S4	P-line E, hill W. No sto.
→ Thomas C. Russell (Alexander City, Ala)	See Russell under "New Facilities" - name changed.	1210	21 L3	(Ga)
(P) Troy (Ala)	4.8 NNW;rd E	393	50h L5	
(A) Tuskegee AAF (Ala)(A)	7.3 NW;RR S	253	50h	CLOSED.
→ Tuskegee Institute #1 (Ala)	4 SSE;hwy W			ABANDONED.
(A) Vidalia-Lyons (Vidalia, Ga)	3.2 SE;hwy N	274	50h	TMP INACT. NO FACS.
Wages (Lawrenceville, Ga)	1.8 N;hwy E	1075	12 S2	80 oct. E blckd. (A)
Washington (Ga)	See McGill Field under "New Facilities" -name changed			
Weedon (Eufaula, Ala)	4.3 NNE;hwy E	275	35 L5 S6	80 oct. No bcn.
Winder, 4, AG-LG (Ga)	1.5 NE;bet rds	950	30 L3 S6	80,91 oct. NE,SE blkd.
Woodbury (Ga)	1.5 E	770	16 S1	Fuel, Data unver.

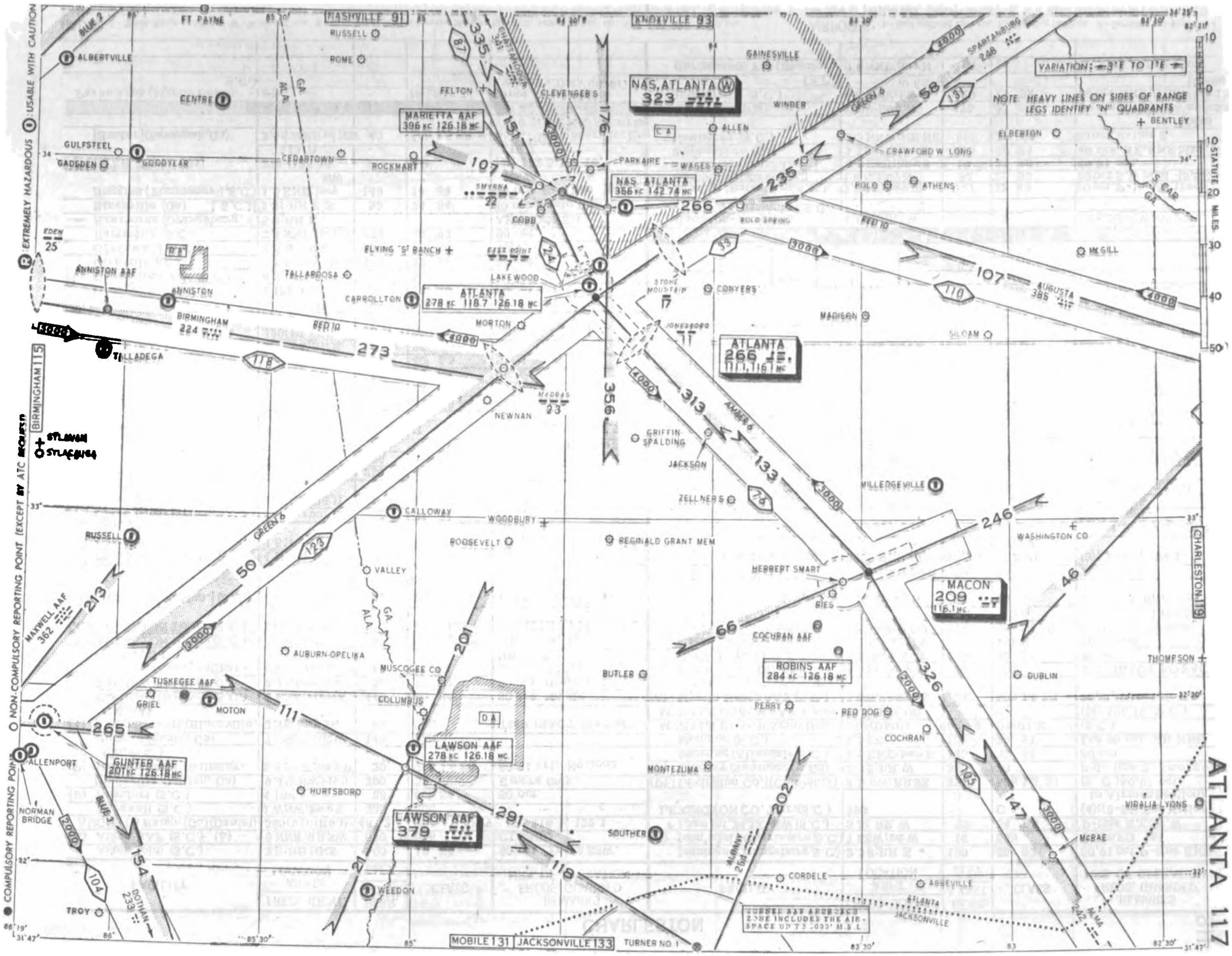
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
ATLANTA	109.9	333.8	329°	IM- MM- ·—·-(0.70) OM- ——(4.40) MMK-201 ·—·· OMK-219 ····

NEW FACILITIES				
→ Milledgeville, (Ga.)	1.5 NW;RR SW	360	28 S4	80 oct. NW blkd. Pwrline E.
Abbeville (Ga)	0.8 S;hwy E	260	16	P-line W
Griel Aux (Tallassee, Ala)	4 S;riv NE	200	35	P-line W. Trees NE
Perry (Ga)	1.5 NNW;hwy W	340	11 S2	80 oct. Lgt acft only.
Gadsden (Attalla, Ala)	3 S	560	48h S4	
Thompson (Swainsboro, Ga)	1 W;hwy E	300	32	
Washington Co. (Sandersville, Ga)	1 E;RR W	460	26 S1	80 oct. Trees NW.
Zellner's (Forsyth, Ga)	1.8 NNW;RR W	705	18 S1	80 oct. Trees SW,NW.
Camp Sibert (Attalla, Ala.)	See Gadsden under "New Facilities"- name changed.			
Carrollton (Ga)	3.3 NE;hwy SE	1200	18 S1	80 oct.
McGill (Washington, Ga)	1.4 NW;RR SE	600	22 S1	80 oct. Cat'l on fld. Hwy S
→ Russell (Alexander City, Ala)	1.5 SW	711	32 S6	80 oct.
→ Sylavan (Sylacauga, Ala)	2 W	560	23 S4	80 oct. Slippery when wet.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6219 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.58, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page xiii)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


NASHVILLE 91
KNOXVILLE 93
FT PAYNE
ALBERTVILLE
CENTRE
RUSSELL
ROME
GADSDEN
GOODYEAR
CEDARTOWN
ROCKMART
FELTON
CHATTANOOGA
CLEVENGER S
GAINESVILLE
WINDER
ALLEN
ELBERTON
CRAWFORD W LONG
ATHENS
BENTLEY
SPARTANBURG
NAS, ATLANTA (W)
323
MARIETTA AAF
396 KC 126.18 MC
NAS ATLANTA
356 KC 142.74 MC
PARKAIRE
WAGES
SMYRNA
COBB
FLYING "S" RANCH
EDEN
ANNISTON AAF
ANNISTON
TALLADEGA
BIRMINGHAM
224
CARROLLTON
TALLAPOOSA
LAKEWOOD
ATLANTA
278 KC 118.7 126.18 MC
MORTON
STONE MOUNTAIN
CONYERS
JONESBORO
MADISON
SILOAM
ATLANTA
266
111.1, 116.1 MC
MADRAS
NEWNAN
GRIFFIN
SPALDING
JACKSON
MILLEDGEVILLE
ZELLNERS
CALLOWAY
WOODBURY
ROOSEVELT
REGINALD GRANT MEM
WASHINGTON CO
HERBERT SMART
MACON
209
116.1 MC
BIES
COCHRAN AAF
ROBINS AAF
284 KC 126.18 MC
BUTLER
PERRY
RED DOG
COCHRAN
DUBLIN
THOMPSON
MAXWELL AAF
362
AUBURN-OPELIKA
MUSCOGEE CO
TUSKEGEE AAF
GRIEL
MOTON
COLUMBUS
LAWSON AAF
278 KC 126.18 MC
LAWSON AAF
379
GUNTER AAF
207 KC 126.18 MC
ALLENPORT
NORMAN BRIDGE
HURTSBORO
MONTEZUMA
SOUTHER
WEEDON
TROY
DOTHAN
233
CORDELE
ABBEVILLE
JACKSONVILLE
VIDALIA LYONS
McRAE
ALMA
GUNTER AAF APPROACH ZONE INCLUDES THE AIR-SPACE UP TO 2000' M.S.L.
MOBILE 131
JACKSONVILLE 133
TURNER NO 1
VARIATION: 3°E TO 1°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
STATUTE 10 MILES
CHARLESTON 119
BIRMINGHAM 115
EXTREMELY HAZARDOUS USABLE WITH CAUTION
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
ATLANTA 117

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Aiken (old) (S.C.)	2 E;RR NNE	500	19 S4	80 oct. Trees SSW.
(A) Aiken AAF (S.C.) (A)	6 NNE;RR SW	530	51h	CLOSED
AUGUSTA Range (Ga) (Daniel)	385 (VD) (116.1)	46°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Barnwell (S.C.)	1 WNW;hwy E	235	50h	
(P) Beaufort (S.C.)	4 NW	38	60h S4	80 oct.
Birdsville (Millen, Ga)	9.4 WNW;riv S	200	22	Emerg only.
(P) [Bluethenthal] (Wilmington, N.C.)	2.8 NNE;hwy W	30	70h L5 S4	80,91 oct. No flood
Bush (Augusta, Ga)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville, Ga) (A)	3 NE;hwy SW	46	50h	TMP INACT. NO FACS.
Carlisle (Bamberg, S.C.)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Beach (N.C.)	2.2 NNW;hwy E	32	16 S1	80 oct. (limited)
Carolina Skyways (Charleston, S.C.)	6 SSW;riv W	10	25 S6	80 oct. ENF, E, WSW, NW blkd.
CHARLESTON Range (S.C.)	329 (CS) (116.1)	110°,2.0	SBRAZ-DTV	(3); 116.1, 122.1
CHARLESTON Tower (S.C.)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18, 118.3, 122.5
(N) [Charleston Mun.] (S.C.)	9.8 NW;RR NE	45	70h L6 S4	100 oct. Use rnwys only. NATS (Hospital)
(N) Charleston (S.C.) (N)	4 N;riv E			ABANDONED.
(NG) Chatham AAF (Savannah, Ga) (NG)	7.5 NW;RR S	50	70h L5 S4	100 oct, 1-ech ltd 2-ech maint NG. No bcn.
Clark (Charleston, S.C.)	4 S;harbor NE	6	21 S4	80 oct. Trees sur fld.
COLUMBIA Range (S.C.) (Lexington Co).	227 (CI) (116.1)	268°,7.3	SBRAZ-DTV	(4); 116.1, 122.1.
(NG) Congaree (Columbia, S.C.)	15.5 ESE;RR S	237	45h	
(A) Coronaco AAF (Greenw'd)	3.8 N;RR E	629	50h	(S.C.) (A) CLOSED. fld
Conway (S.C.)	2 1 N;RR W	20	24 S1	80oct. Trees, p-line sur
DANIEL Tower (Ga)	278 (126.18, 118.9)		C	(4); 126.18, 122.5, 118.9
[Daniel] (Augusta, Ga)	2.5 W;RR S	424	42h L5 S6	80,91 oct. P-line S
Donald (St. Matthews, S.C.)	2.5 NNE;RR S	280	18 S1	Ltd 80 oct. Trees SE.
Duke (Chadbourn, S.C.)	1 N;RR SW	96	20 S4	80 oct.
* Elloree Int, 25, AG-CS (S.C.)	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill (S.C.)	2.5 SSW;RR E	135	25	
FLORENCE Range (S.C.)	320 (FL) (116.1)	292°,1.7	SBMRLZ-DTV	(4); 116.1, 122.1
Florence (S.C.)	3.5 E;RR SW	146	60h L5 S1	80, 91 oct.
Georgetown (S.C.)	1 NW;riv E	12	29 S6	80, 91 oct.
(P) Georgetown Co. (S.C.)	4 S;bay E	37	50h	
Glenville (Ga)	2 SW;hwys N, E	175	32 S1	80 oct.
Greenwood (S.C.)	2.6 W;RR E	650	24 S6	80,91 oct.
Hartsville (S.C.)	2.1 NNE;hwy S	230	25 S2	80 oct.
Hawthorne (Orangeburg, Hinesville (Ga) [S.C.])	5 S;RR E			ABANDONED
Huggins (Timmonsv'l, S.C.)	3 S; RR E, S	55	24 S4	80 oct. No sto. Rdo re-
	1.5 ENE;hwy NW	149	18 S4	80 oct. Pwr line pairs NNW
HUNTER Tower (Ga)	278 (126.18, 118.7)		AC	(4); 122.5, 126.18, 118.7
[Hunter] (Savannah, Ga)	3.5 SW;RRyd NW	40	50h L5 S6	80,91,100 oct. Sharp incline 370' NE of NE/SW strip
NEW FACILITIES				
Parks Arpk (Myrtle Beach, S.C.)	2 N		25 S1	80 oct. Army Acft in Vicinity. Data unver.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Jennings (Orangeburg, S.C.)	2.3 S;RR E	190	25 S2	80,91 oct. P-line ENE
(A) John's Isl. (Charleston, S.C.)	7 SSW;rd W	16	50h	CLOSED. (A)
* Lane Int, 24, JX-RW (S.C.)	3 S; RR W	72	34 L3	P-line E, ESE, W
LEXINGTON CO. Twr. (S.C.)	396		C	(4); (8-24) (See Notice to Airmen Section)
(P) [Lexington Co.] (Columbia)	6.5 SW;RR SE	233	56h L5 S1	(S. C.) 80,91 oct.
(P) Lindsey (Swainsboro, Ga)	2.3 S;RR W	300	30	Pole line E. Emerg only.
Manning (Allendale, S.C.)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning (S.C.)	1.5 SE	125	20 S1	Ltd 80 oct. RR NNE
MYRTLE BEACH Army Rng	379 (DMB)	69°,4.4	BMRLZ	(S.C.)
MYRTLE BEACH AAF Tower	272 (126.18)		CA	(3); 126.18 (S.C.)
(A) Myrtle Beach AAF (S.C.) (A)	3 WSW;hwy SE	24	50h L5 S6	73,91,100 oct. No sto.
(A) North (S.C.) (A)	1.5 SE;hwy N	320	50h	TMP INACT. NO FACS
North Augusta (S.C.)	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive (Wampee, S.C.)	3.3 S;hwy NW	33	60h S1	80,91 oct.
Owens (Columbia, S.C.)	2.5 SE;RR SW	192	36h L4 S6	80,91 oct. Tank WSW;
Parris Isl. (S.C.)	1.5 S	11	60h	CLOSED twr SSE
Peiffer (Wilmington, N.C.)	6 ESE;hwy N	10	18 S6	80 oct. N, NNE blkd.
Ridgeland (S.C.)	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
SAVANNAH Rng (Ga) (Hunter)	263 (SH) (116.1)	51°,2.2	SBMRLZ-DTV	(3); 116.1, 122.1
Savannah-Wilmington (Savannah, Ga)	8 ESE;hwy NW	10	29 L S6	80 oct. Bndry lgts. N, NE blkd. Rough.
SHAW Tower (S.C.)	272 (126.18)		CA	(3); 126.18
(A) Shaw (Sumter, S.C.) (A)	7 WNW;RR W	236	45h L5 S6	73,91,100 oct. JP-1.
(P) Statesboro (Ga)	3.8 NE;hwy W	180	53h	
(P) Sumter (S.C.)	1.5 NW;RR S	169	30 S6	80,91 oct. Data unver.
Sylvania (Ga)	7.5 SSE	160	50h	CLOSED.
Trenton (S.C.)	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston, S.C.)	5.5 W;RRs N	12	29 S6	80 oct. Poles sur fld.
(P) Walterboro (S.C.)	1.3 NE;hwy SE	93	58h S2	80 oct.
W. Savannah (Savannah, Ga)	3 W;RR W, N	42	23 S6	80 oct. P-line NW.
Whiteville (N.C.)	3.7 S;RR N	60	18 S1	Ltd 80 oct.
Wilmington Arpk. (N.C.)	3 SE;hwy N	20	27 S4	80 oct. N & E blocked.
(P) Woodward (Camden, S.C.)	2.9 NE;hwy E	300	30h S4	80,91 oct. Parked acft on fld

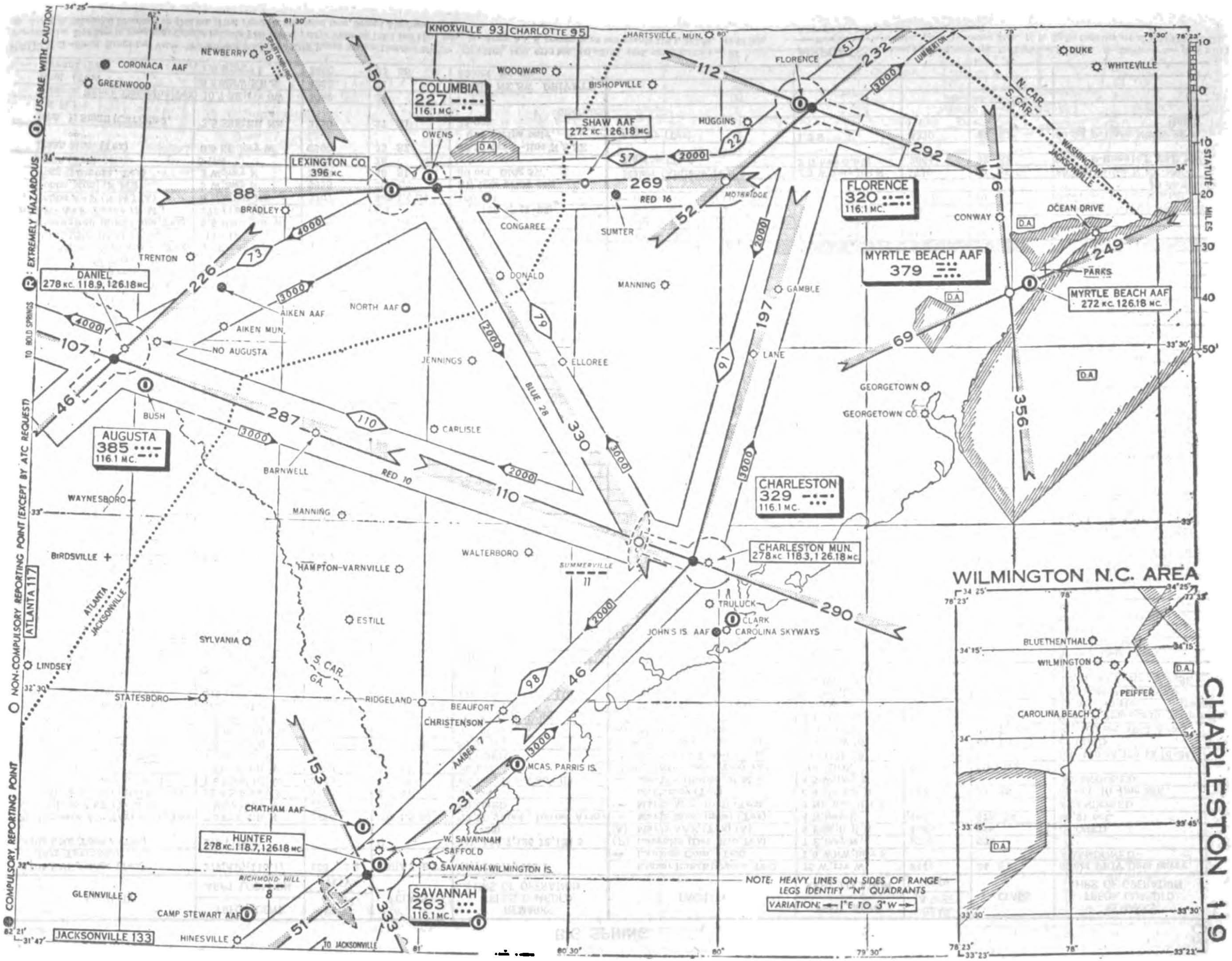
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHARLESTON	110.3	335	147°	IM-	MM- •—•—(0.64)	OM- ——(4.18)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES				
Hampton-Varnville (Hampton, S.C.)	1.6 E;RR SW	110	28	ESE, SSW, WNW blkd.
Bradley (Batesburg, S.C.)	3.2 SE;hwy W	537	22 S2	80 oct. P-line W, trees
Gamble (Kingtree, S.C.)	1.8 E;hwy N	52	21 S2	80 oct. S, W blkd S, SE.
Salfold (Savannah, Ga)	4.8 ESE;hwy S	10	32 S6	80,91 oct.
Waynesboro (Ga)	3.5 SSE;hwy E	295	36 S4	80 oct. NE, ENE blkd.
Newberry (S.C.)	2.3 NNW;RR NE	565	22 S6	80 oct. P-line E
Glennville (Ga)	2 SW;hwy N	175	32 S1	blkd. 80 oct. ESE, WNW appchs
Bishopville (S.C.)	1.8 NNE;hwys 0.6 SW [S.C.]	220	19 S2	80 oct. NNE, E, SSW blkd by trees
Christenson Fld (Beaufort,	0.8 NNW;riv N	20	26	W, NNW, E, SSE blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —► New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

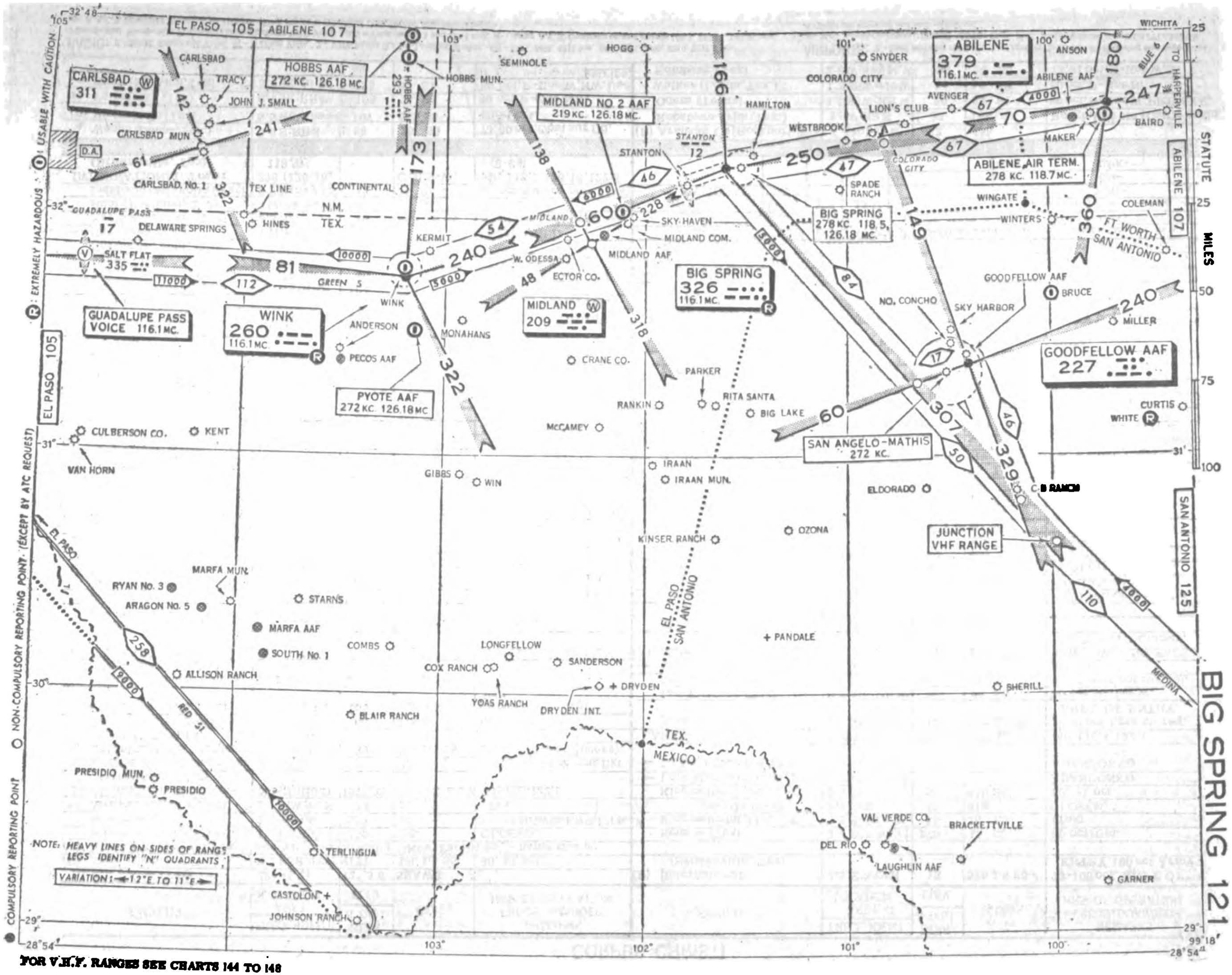

KNOXVILLE 93 CHARLOTTE 95
CORONACA AAF
GREENWOOD
NEWBERRY
SPARTANBURG
COLUMBIA
227
116.1 MC.
HARTSVILLE MUN.
WOODWARD
BISHOPVILLE
FLORENCE
DUKE
WHITEVILLE
N. CAR.
S. CAR.
WASHINGTON
JACKSONVILLE
SHAW AAF
272 KC. 126.18 MC
HUGGINS
OWENS
LEXINGTON CO.
396 KC.
BRADLEY
CONGAREE
SUMTER
RED 16
MOTEDGE
FLORENCE
320
116.1 MC.
CONWAY
OCEAN DRIVE
PARKS
MYRTLE BEACH AAF
379
MYRTLE BEACH AAF
272 KC. 126.18 MC
TRENTON
DANIEL
278 KC. 118.9, 126.18 MC
DONALD
MANNING
GAMBLE
AIKEN AAF
NORTH AAF
AIKEN MUN.
NO AUGUSTA
JENNINGS
ELLOREE
LANE
BLUE 28
BUSH
AUGUSTA
385
116.1 MC.
CARLISLE
GEORGETOWN
GEORGETOWN CO.
BARNWELL
RED 10
CHARLESTON
329
116.1 MC.
WAYNESBORO
MANNING
WALTERBORO
SUMMERVILLE
CHARLESTON MUN.
278 KC 118.3, 126.18 MC
BIRDSVILLE
HAMPTON-VARNVILLE
TRULUCK
CLARK
JOHN'S IS. AAF
CAROLINA SKYWAYS
ATLANTA
JACKSONVILLE
ATLANTA 117
ESTILL
SYLVANIA
LINDSEY
S. CAR.
GA.
STATESBORO
RIDGELAND
BEAUFORT
CHRISTENSON
AMBER 7
MCAS. PARRIS IS.
CHATHAM AAF
HUNTER
278 KC. 118.7, 126.18 MC
W. SAVANNAH
SAFFOLD
SAVANNAH WILMINGTON IS.
RICHMOND HILL
GLENNVILLE
CAMP STEWART AAF
SAVANNAH
263
116.1 MC.
HINESVILLE
JACKSONVILLE 133
TO JACKSONVILLE
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 1°E TO 3°W
WILMINGTON N.C. AREA
BLUETHENTHAL
WILMINGTON
PEIFFER
CAROLINA BEACH
CHARLESTON 119
O: USABLE WITH CAUTION
R: EXTREMELY HAZARDOUS
TO BOLD SPRINGS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES

BIG SPRING

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ABILENE Range (Tex) (Air Terminal)	379(AP)(116.1)	180°, 2.2	SBRAZ-DTV	(3); 116.1, 122.1
ABILENE Tower (Tex)	278 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)
(P) [Abilene Air Terminal](Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.; 100 oct.Army
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Allison Ranch (Marfa, Tex)	23.4 SW;hwy E	5100	49 S1	73 oct.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct. Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED.
(P) Avenger (Sweetwater,Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;hwy S	2950	37 S2	80 oct.Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-VDT	(3);116.1,122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18,122.5,118.5 (7-23)
(N)(P) [Big Spring] (Tex)	3.3 WSW;RR N	2595	62h L5 S6	80,91,100 oct. NATS.
Blair Ranch (Marathon, Tex)	23.5 SSW;hwy E	4180	24	PRIVATE.
Brackettville (Tex)	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Bruce (Ballinger, Tex)	4.5 SSW;hwy NW	1731	23h L S6	80,91 oct.B-2 lgts on req. Use rnwys.
CARLSBAD Range (Mun)(N.M.)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) [Carlsbad Mun] (N.M.)	6.1 SSW	3276	65h L5	Hwy E. Rnwy lgts on req.
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Castolon (Tex)	0.8 NNW;riv SW	2300	16	High butte 0.5 mi E.
C-B Ranch (Fort McKavett, Tex)	1.5 W;rd S	2150	32 S1	80 oct. Livestock on fld
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80, 91 oct. Use rnwys only.
Combs (Marathon, Tex)	0.8 SE;RR N	4100	26 S2	80 oct.
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Cox Ranch (Longfellow,Tex)	8.2 SW;RR S	3700	48	PRIVATE.
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct. Hi-line S.
(P) Culberson Co.(Van Horn,Tex)	3.5 ENE;RR S	3955	60h	
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel.
Decker Ranch (Candelaria, Tex)	11.5 N	3650	29	PRIVATE.
** Delaware Springs Int, 11, EO-FV (Tex)	16.8 E Pine Springs	3955	40 L3 S1	91 oct. P-line SSE.
Del Rio (Tex)	1.5 WSW;hwy E	1025	30 S4	80 oct. No sto.Poles N.
Dryden Airdrome (Tex)	1 W	2159	18	
** Dryden Int,29,EO-JI (Tex)	5.7 W;hwy N	2300	45h L3	
→ Dyche (Ft. Stockton,Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
→ Eden (Tex)	1 NW;hwy E			ABANDONED
Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct. Poles E.Cattle on
(A) Fort Clark (Brackettville)(A)	1.5 SW;rd E			ABANDONED fld.
Garner (Uvalde, Tex)	2.7 E;hwy N	930	17h S1	80 oct.
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area; 4800 x 5000'.
GOODFELLOW Army Range	227 (DIP)	329°,2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)	3 SE;rds N,W	1877	55h	TMP INACT.
GUADALUPE PASS (Tex)	(116.1)		VP	116.1
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 S1	80 oct.
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct.
→ [Hobbs Mun] (N.M.)	5 W;hwy N	3658	50h L5	All lgts prior req.
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE. Use strips only.
John J. Small (Carlsbad, N.M.)	3.5 SSE;RR NE	3150	27 S1	73 oct.
Johnson Ranch (Castolon,Tex)	10.7 SE;riv SW	2092	37	
Kent (Tex)	0.6 WNW;RR S	4260	21	P-line NE,SW. PRIVATE.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona,Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
→ Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(P) Laughlin (Del Rio,Tex)	7 E;hwy N	1070	67h	
(A) Marfa AAF (Tex) (A)	9 ESE;R R N	4885	75h	CLOSED.
Marfa Mun. (new) (Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
→ Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
→ Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED
MIDLAND Range (Tex) (AAF)	209 (DON)	48°,3.8	MRLWZ	
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18 (6-24)
(A) [Midland AAF] (A) (Tex)	9.5 WSW;RR S	2867	64h L1	CLOSED.
(A) [Midland#2](Tex)	3 NW;rd E	2805	64h L5 S4	91, 100 oct. JP-1.Army
Midland Com. (Tex)	1.1 SSE; hwy N	2800	30 S6	80 oct.P-line sur fld.Strip ends
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto. rough
Monahans (Tex)	1.2 SW;RR N	2643	33 S6	80,91 oct.P-line SSW.
→ [North Concho](San Angelo,Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Pandale (Tex)	8 NE		20 S2	80 oct. Data unver
Parker, (Texon,Tex)	2.3 W; RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Presidio (Tex)	4 N;hwy W	2850	48	NOT MAINTAINED.
Presidio Air Strip (Tex)	0.8 NE;hills E	2500	21	PRIVATE.
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91,100 oct. No sto.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld.
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld.
(A) Ryan #3 (Marfa,Tex) (A)	19 WNW;RR NE	4750	60h	CLOSED.
SAN ANGELO-MATHIS Tower (Tex)	272		CI	(4); 12 noon til 1 hr.after
(P) [San Angelo-Mathis](Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct sunset.Closed Mon
Sanderson (Tex.)	2 W;hwy N	2900	24 S2	80 oct,400' hills W,E.
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips.
Sherrill(Rock Springs, Tex)	4 W;hwy S	2400	21	Cattle on fld. P-line W,NW.
Sky Harbor (San Angelo,Tex)	4.6 NNW; RR SW	1840	30 L3 S4	80,91 oct.After 2100 lgts on req.
Sky Haven (Midland, Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
(A) South #1 (Marfa, Tex) (A)	15 SE	4825	60h	CLOSED. W-mill WNW
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct.Rnwy lgts prior
Terlingua (Tex)	2 E;hwy SW	2700	36	req
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Tracy (Carlsbad, N.M.)	2 ENE;hwy S	3080	30 S6	80 oct.
→ U & S Fly.Svc.(Big Spring)	See Hamilton under "New Facilities" - name changed.			
Val Verde Co.(Del Rio, Tex)	4.5 ENE;RR S	1094	49h	
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct. Poles NW.
* Westbrook Int,32,EO-FV	1.3 S;RR N	2188	34 L3	P-line N,S. (Tex)
→ White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260 (WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80,91 oct.
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
Yoas Ranch (Longfellow,Tex)	6.5 WSW;RR N	3675	36	PRIVATE.P-line NW.
NEW FACILITIES				
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex	14.8 S;ranch 4 E	2127	26	
Westodessa (Odessa,Tex)	1.5 WSW;RR S	2880	33 S2	80,91 oct.P-lines NNW,SSE
→ Hamilton (Big Spring,Tex.)	1.5 N;hwy 1 S	2517	40 S6	80,91 oct.P-line N,NNE.Ctn. Data unver.
Maker (Abilene,Tex)	2.7 W;hwy,RR N	1750	30 S1	80 oct.P-line N,NE,NW
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW.
Snyder (Tex)	1.3 S	2270	21 S2	80 oct.P-lines NW,W,SE.E blkd.

RADIO: B - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.68 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 148

CORPUS CHRISTI

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALICE Range (Tex)	224 (EZ)	72°,3.6	SRAWZ	
(P) Alice (Tex)	3.3 ESE;hwy 2 N	177	48h L5 S6	80, 91 oct.
(A) Aloe AAF (Victoria, Tex)	See Victoria Co under "New Facilities" - name change			
Aloe #10 (Victoria, Tex) (A)	19.8 WSW	150	40h	CLOSED.
Asherton (Tex)	1 S;hwy N	552	13	Trees N. Bush ENE. CTN.
* Austwell Int, 5A, CR-HU -	2.1 SSW;rd N	23	32 L3	(Tex)
BROWNSVILLE Range (International) (Tex)	388(JI)(116.1)	157°,2.3	SBRAZ-DTV	(3);116.1,122.1
CABANISS NAAS Tower (Tex)	(142.74)		CN	3105;142.74 (during flgt opers).
(N) Cabaniss NAAS (Corpus Christi, Tex) (N)	6.2 SSW;hwy NW	30	50h L5 S6	80,91,100 oct.
→ Central Valley (Mercedes)	3 NE;RR 1.5 S	60	31h S6	80,91 oct. (Tex)
Chase (Beeville, Tex.)	5.6 ESE;rd N	186	46h L5	No bcn, bndry, or [flood] lgts.
Chupadera Ranch Emerg. Strip (Laredo, Tex)	60 NW	630	33 L1	
CLIFF MAUS Tower (Tex)	278 (118.3)		C	(4);118.3,126.18,122.5 (7-23)
[Cliff Maus] (Corpus Christi, Tex)	2.5 SW;hwy N	42	45h L6 S2	80,91 oct.
Commercial (Edinburg)	1 W;RR SE	90	13 S1	73 oct. P-line NW. (Tex)
Community (Sinton, Tex)	2 W;RR E	50	24 S4	80 oct. Trees N,E,SE.
CORPUS CHRISTI Range (Cliff Maus) (Tex)	382(CR)(116.1)	138°,2.9	SBMRLZ-DTV	(3); 116.1,122.1
CORPUS CHRISTI Navy Range	248 (NGP)	350°,3.3	MLZ	(3); 142.74
CORPUS CHRISTI NAS Tower	248 (142.74)		CN (GCA)	(3); 142.74
(N) Corpus Christi NAS (Tex)	9.5 SE;bay N	19	50h L5 S6	80,91,100 oct NATS (N)
CORPUS CHRISTI NAS Seaplane Tower (Tex)	2870(142.74)		CN.	3105;6210; 142.74
(N) Corpus Christi OLF #10 (Tex) (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLF #11 (Tex) (N)	16 SSW	29	15h	13 SSW Aberdeen
(N) " OLF #25 (Tex) (N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLF #41 (Tex) (N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City (Tex)	1.8 N;RR W	600	51 S4	80 oct. P-line ENE, WSW.
→ CUDDIHY NAAS Tower (Tex)				DECOMMISSIONED.
(N) Cuddihy (Corpus Christi)	7.8 SW;crk S	39	50h L5 S6	80,91 oct. No bcn. (Tex.)
Dimmit Co. (Carrizo Spgs, (Tex)	2.8 E;hwy N	640	26	P-line NNE, WSW.
(P) Eagle Pass (Tex)	10 N;RR N	887	59h	
Eagle Pass Mun. (Tex)	1.3 E;hwy N	774	29 S2	80 oct. ARPT OF ENTRY
Elsa (Tex)	1 SSE; RR SE	70	21 L S6	80 oct. Lgts prior req.
Foster (Victoria, Tex)	6.5 NE;RR S	104	52h	CLOSED
Fox (Raymondville, Tex)	1 WSW;RR S	40	26 L S4	80,91 oct. Poles S,SW.
→ Freer (Tex)	3.8 NNW			ABANDONED Port flood prior req.
Harlingen, com. (Tex)	1.8 SSW	41	18	
→ Harlingen (Tex)	5 NW;RR SW			ABANDONED
Harlingen, mun. (Tex)	3.5 NE	35	60h L5 S6	80,91 oct. Lgts prior req
Hunt (Portland, Tex)	2 WNW;bay S	35	16 S4	80 oct.
Indianola (Magnolia Beach)	2 SW;hwy 1 S	17	34 S1	80 oct. Emerg only. (Tex)
INTERNATIONAL Tower (Brownsville, Tex)	278 (126.18, 118.7)		C (ILS-W)	(4): 118,7.126.18,122.5 (8-24)
NEW FACILITIES				
Woods (Donna, Tex.)	0.9 E;RR S	88	25 S6	73,80 oct. Obst sur fld.
(P) Victoria Co (Tex)	5.5 WSW;hwy S	107	56h S6	80,91 oct.
→ Falfurrias (Tex)	0.7 SE;RR W	109	24 S1	80 oct. P-line NW.
→ Shary (Mission, Tex)	3.8 SE;rd W	135	37 S1	80 oct. P-line W, NW. Use strips.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) [International] (Brownsville, Tex)	4.5 E;hwy N	19	57h L6 S6	73-100 oct. ARPT OF ENTRY. 100 oct. Army
Kenedy (Tex)	1.4 ESE;hwy N	270	15 S2	80 oct. Ctn.
* Kingsville Int, 11, JI-FV	3.5 S;hwy W	58	26 L3	(Tex)
" (North) (Tex)	3.5 ESE	47	61h	CLOSED.
Kingsville (South) (Tex)	3.5 SE	51	61h S4	80, 91 oct.
→ Lake Mathis (Mathis, Tex)	5 WSW;RR SE			ABANDONED.
→ La Laja (Dolores, Tex)	1.5 NNE;riv SW			ABANDONED
LAREDO Range (Tex)	206(LL)(116.1)	137°,3.1	SBRAZ-DTV	(4); 116.1,122.1
[Laredo] (Tex)	3.5 NE;hwy, RR W	512	66h L5 S6	80,91 oct. Lgts on req. ARPT OF ENTRY.
Los Fresnos (Tex)	0.8 SSE;RR W	35	24 S6	80 oct. P-line W.
McAllen (Tex)	1.6 SSW;hwy E	115	29 S6	80,91 oct, Obst sur. fld.
→ Magic Valley (Mission)	1.5 SSW;lk W			ABANDONED
(A) Matagorda Island (Tex) (A)		7	40h	TMP INACT. NO FACS. 9 SSW Port O'Conner.
Matagorda-Peninsula (Matagorda, Tex)	6.5 E Port O'Conner	5	40h	
Mauldin (Brownsville, Tex)	4.4 NNW;RR W	22	35 S6	80,91 oct. Obst sur fld.
Mid-Valley (Weslaco, Tex)	1.7 NE;RR W	70	25h S4	80 oct. Canal N,E,S.
(P) Moore (Mission, Tex)	12 N;RR E	219	50h S6	80,91 oct.
" #1 (Mission, Tex)	10 N Edinb'g	80	40h	wy, RR W
(A) " #3 (Mission, Tex) (A)	5 N La Grulla	300	30h	CLOSED.
PALACIOS Range (Tex)	350 (UX)	118°,1.6	MLWZ	
Palacios (Tex)	2.7 WNW	13	50h S4	80 oct.
* Pawnee Int, 22, JI-FV (Tex)	5 WNW	368	30 L3	
(P) Port Isabel (Tex)	10 NW	12	48h	
* Raymondville Int, 5, JI-FV	3.5 NNE	34	29 L3	RR W. (Tex)
(P) Rockport (Tex)	See Aransas Co under "New Facilities" - name changed.			
RODD NAAS Tower (Tex)	(142.74)		CN	3105;142.74 (during flgt
(N) Rodd NAAS (Corpus Christi, Tex) (N)	9.8 S;riv S	20	51h L5 S6	80,91,100 oct. opers.)
Rooke (Refugio, Tex)	3.2 WSW	46	26 S4	80 oct. P-line NE.
San Benito, 2, JI-FV (Tex)	1.5 E;RR SW	31	26 L3 S6	80,91 oct. Bust SW.
→ Shary (Mission, Tex)	1 NW;RR E			ABANDONED
Sinton (Tex)	1.3 E	27	26 S6	80,91 oct.
Tanner Sea & Land Plane Base (Port Lavaca, Tex)	3 S;hwy S	12	22 S1	80 oct.
Travland (Beeville, Tex)	2 NW;RR E	225	19 S2	80 oct. P-line E,NE.
Waldron (Corpus Christi, Tex)	12 SSE;hwy NNE	25	50h	CLOSED.
→ Weisman (Kingsville, Tex)	2.5 NNE;RR S			ABANDONED
→ Wormser (Lardeo, Tex)	4 SE;hwy W			ABANDONED
Worsham (Taft, Tex)	0.8 ENE;hwy S	54	20 L S6	80 oct. Port lgts on req.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mc's, Compass Locators in kcs)

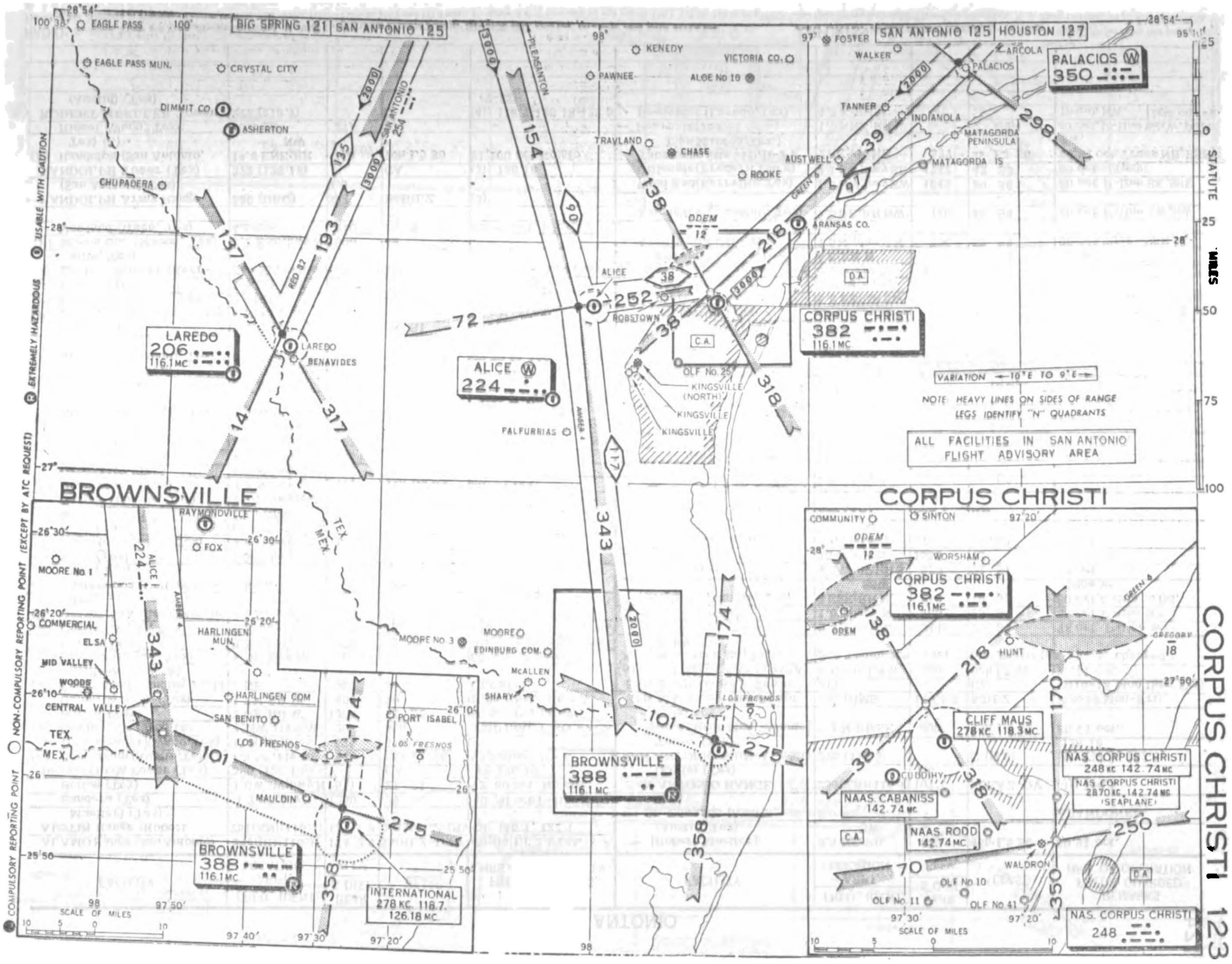
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INTERNATIONAL	110.3 •—•—• •— —	335	170°	IM-	MM- •—•—• (0.66)	OM- — — (4.34)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

(P) Aransas Co (Rockport, Tex)	4.3 N;bay W	22	45h	
Robstown Arpk (Tex.)	1 SW;RR S	33	16h	Rough. Use ctn. Cattle on fld.
Odem (Texas)	1.5 SSW;RR W	50	25 S1	80 oct. P-line W. PRIVATE.
Walker (Lolita, Tex.)	1.8 SSW;riv W	14	18 S2	80 oct. P-line N.
Edinburg (Tex)	2.8 W;hwy N,W	90	24 S6	73,91 oct. P-line W,N.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, [illegible] kcs. (4) - 3105, 4495, [illegible], 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 126.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalised.



CORPUS CHRISTI 123

SAN ANTONIO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1(Tex.)
AUSTIN Range (Robert Mueller) (Tex)	281(XN)(116.1)	117°,1.8	SBMRLZ-DTV	(3); 116.1, 122.1
Bandera (Tex)	1.7 SE;riv N	1250	27 S6	80 ,91 oct.P-line ENE
Belton (Tex)	1.6 WSW;hwy N	511	21 S1	73, 80 oct. No sto.
BERGSTROM Tower (Tex)	396 (126.18)+		CA	(4); 126.18
(A) Bergstrom (Austin,Tex)(A)	7.5 SE;riv NE	515	65h L5 S6	73,100 oct.JP-1.
➝ [Blackland#1](Waco,Tex)	11 WSW;RR S	575	55h	
(A) Bryan AAF (Tex) (A)	7 SSW;riv SSW	264	55h	TMP INACT.NO FACS
Burnet (Tex)	2 NE;RR W	1325	21 S1	80 oct.P-line SW.
Cameron Arpk (Tex)	1.7 N;RR W	402	29	Bldg NNE. Hwy W.
(A) Camp Hood Landing Field (Killeen, Tex) (A)	2 NE	920	36	CLOSED.
Coulter (Bryan, Tex)	4 NE;hwy NW	360	22 S6	80 oct. 5' fence SW.
Cuero (Tex)	3.1 N;riv 1 W	195	53 S6	80,91oct.Port lgts prior req.
➝ Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel
(P) Draughon-Miller (Temple, Tex)	5.5 NW;rd SW	675	54h L5 S1	80,91 oct. No flood lgts.Ctc lgts on req.
(P) Easterwood (College Station, Tex)	2.8 SW	320	52h S6	80 oct.
➝ Eden (Tex)	1 NW;hwy E			ABANDONED
Edgerton (Cuero, Tex)	2.9 E;hwy SW	185	1956	80 oct.
➝ Edna (Tex)	1.5 ENE;RR NW			ABANDONED
Foster #4 (Victoria,Tex)	12.5 NNW	186	56h	lgts prior req
Garner (Uvalde, Tex)	2.7 E;hwy NW	930	17h L S6	80,91 oct. Port rnwy
(P) Georgetown (Tex)	3.3 N;hwy E	789	41h L5 S4	80, 91 oct.
Groesbeck (Tex)	1.5 E;hwy S	477	21 S1	73 oct.
Haile (Austin, Tex)	4.1 NE;RR NE	725	23 S6	80,91 oct. P-line E
* Hammond Int,16,GS-WC	2.5 SSE;RR W	393	30 L3	(Tex) SE.
Hearne (Tex)	0.8 SE;RR E	305	22 S1	80 oct.P-lines NE,E,
Hefner (El Campo, Tex)	1.5 WSW	104	41 L S6	80 oct. Port rnwy lgts.P-line NNE,SSW
(A) Hondo AAF (Tex) (A)	2.1 NW;RR S	929	61h	CLOSED.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio, Tex) (A)	6.8 SW;RR NE	675	75h L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEAR.STI
Killeen (Tex)	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
(P) Lampasas Co.(Lampasas)	6 NW;RR S	1480	42 S2	80 oct. (Tex)
(P) Llano Co. (Llano, Tex)	2.4 NNE	1029	40 S1	73 oct. Riv NE.
➝ Louise (Tex)	1.6 E;RR W			ABANDONED
(P) Louis Schreiner (Kerrville, Tex)	See Kerrville Airport under "New Facilities"-name changed			
(P) Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
Newland (Waco, Tex)	4.5 SSE	410	25 S6	80, 91 oct. RR NE.
➝ RANDOLPH Army Range (San Antonio)(Tex)	359 (DRQ)	322°, 2.0	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio, Tex) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riesel (Waco, Tex)	10.5 SE	371	51	
ROBERT MUELLER Tower (Austin) (Tex)	272 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
➝ [Robert Mueller] (Austin, Tex)	3.5 NE;RR SW	620	46h L5 S6	80,91 oct.
➝ St. Edwards (Austin, Tex)	3.5 S			ABANDONED.
SAN ANTONIO RANGE (Kelly) (Tex)	254(ZN)(116.1)	107°, 1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO Tower (Tex)	278 (118.5)		C (ILS)	(4); 118.5, 122.5, 126.18
[San Antonio Mun.-Alamo] (Tex)	7.8 N;RR SE	800	55h L6 S2	80,91 oct.
SAN MARCOS Army Range	266 (DMS)	170°,4.2	MRLZ	V(6-18 Mon-Fri)
SAN MARCOS AAF Tower	317		CA	(3) (6-18 Mon thru Fri)
(A) San Marcos AAF (Tex)(A)	5 E;riv 1.4 W	596	63h L5 S1	73,91 oct.
* San Marcos Int, 31B, JI-FV (Tex)	See Thompson under "New Facilities"-name changed.			
Schulenburg (Tex)	2.2 N;hwy W	344	20 S4	73 oct. P-line W.
Scott (Gatesville, Tex)	1.8 E;hwy N	780	25 S1	80 oct.P-line NW.
Stephens (Marlin, Tex)	2 ESE;RR N, SSW	318	19 S2	80 oct.Cattle on fld. Pole W.
Taylor (Tex)	2.2 WNW;RR S	520	24 S4	73 oct.
➝ White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
Woodson (Temple, Tex)	2 NNW;hwy SW	763	28h S4	80 oct.
YOAKUM H Fac (Int.)(Tex)	236 (YK)	352°, 2.8	HW	
* Yoakum Int,7,JR-HU(Tex)	5 NW;hwy S	387	39 L3	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALAMO	109.9	333.8	30°	IM-	MM-•—•—(0.68)	OM- — —(4.38)
				MMK-	OMK-230•— — —	
				JM-	MM-	OM-
					MMK-	OMK-

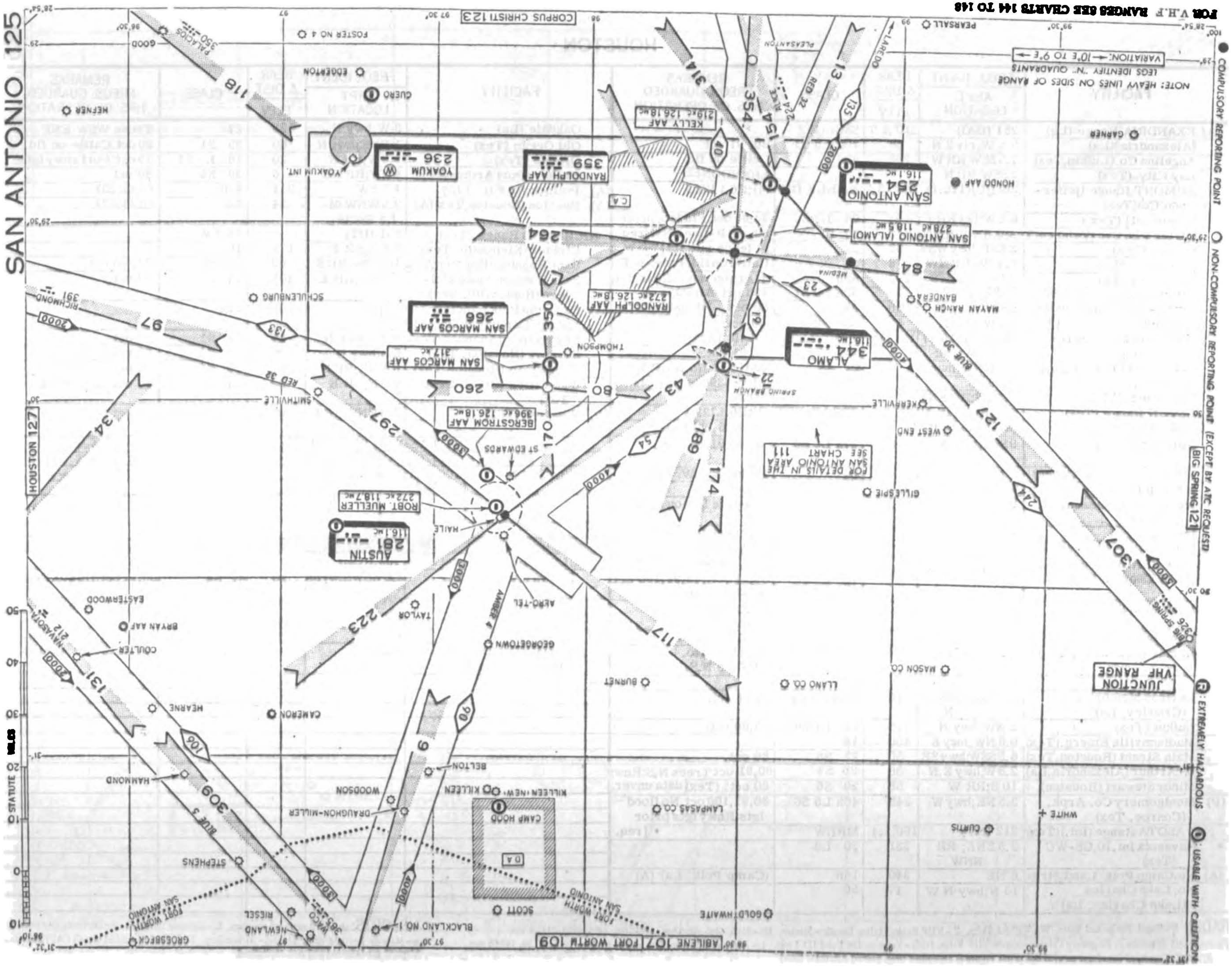
NEW FACILITIES

Edna (Tex,	See Good under "New Facilities"- name changed.			
Killeen-new (Tex)	1.6SE;RR,hwy N	833	25 S1	80 oct.
Smithville (Tex)	2.5 SE;lake NW	324	18 S1	80 oct. P-line ENE SW
(P) Kerrville (Tex)	5.8 SE;RR SW	1590	44h L5 S6	80,91oct No f-lgts P-line
Good (Edna,Tex)	2 ESE;hwy S	60	18 S1	80 oct.
Mayan Ranch(Bandera,Tex)	0.7 W;riv N	1230	25 S2	80 oct Trees NNE,SSE,NW.
St Edwards(Austin,Tex)	4 S;RR N	700	23 S4	80 oct
Aero-Tel(Austin,Tex)	7.5 N;plant 1 N	720	22 S6	80 oct Trees SSE,W .
Faust(New Braunfels,Tex)	2.5 NE;RR NW	720	44 S4	80 oct P-line SW,NW.
West End(Kerrville,Tex)	1.9 NW;hwy SW	1645	20 S6	80 oct P-line SE,SSE.
Gillespie(Fredericksb'g)	3.1 SW;hwy SE	1742	42 S3	80 oct (Tex)
Thompson Site 31B,JI-FV (San Marcos,Tex.)	2 SE;riv NE	577	29 L3 S6	80,91 oct.Trees NE,ESE, SW.
Pearsall (Tex)	1.9 NNE;RR W	645	23 L S4	80 oct.P-line WNW.Port
Benavides (Laredo,Tex)	4.3 E;RR N	545	25	Brush NW. lgts on req.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —➝— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED, Airports are indented and non-capitalized.

FOR V.H.F. RANGES SEE CHARTS 144 TO 148



HOUSTON

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALEXANDRIA Range (La)	251 (DAI)	310°,5.7	SMRAWZ	
[Alexandria] (La)	5.5 W;riv 2 N	88	70h L5 S1	80, 91 oct.
Angelina Co. (Lufkin, Tex)	7.5 SSW;RR W	288	42	Cattle on fld.
Bay City (Tex)	2 SSW;RR N			ABANDONED
BEAUMONT Range (Jefferson Co) (Tex)	368(JU)(116.1)	160°,3.7	BMRLZ-DTV	(4);116.1,122.1
→ [Beaumont] (Tex.)	6.8 W;bet RRs	31	34 L3 S6	73,80 oct. Fld lgts prior
Carter Fly. Svc (Velasco, Tex)	0.8 NW;RR NE	10	27 S1	80 oct. P-line NNW, WNW req.
Damon (Tex)	3 ESE;hwy WSW	60	22	4' fence sur fld
De Quincy (La)	1.5 SW;RR NW	78	24	Cattle on fld. Trees N,E.
(P) De Ridder (La)	3.5 WSW;RR S	203	45h	Lgts on req to Ellington
(A) Ellington (Houston, Tex) (A)	15 SE;RR W	39	52h L5 S1	100 oct. Airways or
(A) Erwin-Newman (Houston, Tex)	5 SSW;hwy N	50	28 S6	80 oct. Houston Arpt.
Eunice (La)	1.7 W;hwy N	45	35 S2	80 oct.
GALVESTON Range (Tex)	263(GS)(116.1)	125°,4.2	SBMRLZ-DTV	(4);116.1,122.1
[Galveston] (Tex)	3.5 WSW;gulf S	7	60h S6	80,91 oct.
Gulf Coast (Texas City, Tex)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct. No sto. P-line
HITCHCOCK Tower (Tex)	3295		CN	3105,6390 (days) N.
(N) Hitchcock NAF (LTA) (N)	2.3 SW;RR ENE	20	20h	(Tex)
HOUSTON Range (Tex)	322(HU)(116.1)	309°,2.2	SBRAZ-DTV	(3);116.1,122.1
HOUSTON Tower (Tex) [Houston] (Tex)	(278)(126.18,118.5) 9 SSE;hwy W	50	AC (ILS) 47h L6 S6	(4);118.5,126.18,122.5 73,80,91,100 oct.
Humphrey (Goose Creek)	4 NNE;RR E	34	24	P-line NW,W. (Tex)
Jackson (Cypress, Tex)	4 SE;hwy S	145	25 S6	80 oct.
(P) Jefferson Co. (Beaumont, Tex)	9.8 SSE;hwy NE	15	51h L5	Rnwy ctc lgts on req.
Jennings (La)	1.4 NNW;RR SW	20	32 S4	80,91 oct. P-line E.
LAKE CHARLES MUN Range	242(LC)(116.1)	340°,2.5	SBRAZ-DTV	(4);116.1,122.1
→ LAKE CHARLES Tower (La)				DECOMMISSIONED
(A) [Lake Charles Mun.] (La)	4 ESE;RR NE	17	63h L5 S6	80,91 oct.;73,91,100 oct JP-1 for Army.
→ Lake Charles (La)	5.2 SSW;hwy N			ABANDONED
→ Lake Jackson (Freeport)	9.5 NW;hwy E			ABANDONED
Lamar (Beaumont, Tex)	4 SE;riv NE	17	22 S4	80 oct. No sto. P-line N,S.
(P) Le Gros Memorial (Crowley, La)	6.5 WSW;RR N	16	43h L5 S2	80,91 oct.
Lufkin (Tex)	2 NW;hwy N	315	31 L1 S6	73,80 oct.
Madisonville Emerg. (Tex)	0.8 NW;hwy E	400	18	
Main Street (Houston, Tex)	6.5 SSW;hwy SE	50	22 S6	80 oct.
McArthur (Alexandria, La)	2.8 W;hwy E,N	86	26 S4	80,91 oct Trees N,S Rnwy
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct. (Tex) data unver.
(P) Montgomery Co. Arpk. (Conroe, Tex)	3.5 NE;hwy W	245	46h L5 S6	80,91,100 oct. No flood lgts. Rnwy lgts prior
NAVASOTA Range (Int.) (Tex)	212 (NT)	180°,1.4	MRLW	req.
* Navasota Int,10,GS-WC (Tex)	2.5 ENE; RR NNW	331	30 L3	
(A) No. Camp Polk Land Strip	6 NE	340	14h	(Camp Polk, La) (A)
No. Lake Charles (Lake Charles, La)	10 N;hwy N W	17	50	
Oakdale (La)	3 W;hwy N	123	27	Trees WSW,ENE.
Old Ocean (Tex)	1 ENE;hwy N	60	35 S1	80 oct. Cattle on fld.
Orange (Tex)	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur, Tex)	4 NW;RR NE	6	34 S6	80 oct.
(A) Pollock AAF (La) (A)	4.5 SW	211	45h	CLOSED.
(A) Preston (Houston, Tex) (A)	2.5 WNW of La Porte	34	40	CLOSED.
RICHMOND Range (Tex)	391 (UT)		MRLW	
Richter (Kirbyville, Tex)	1.5 S;RR E	175	16	
Sam Houston (Houston, Tex)	10.5 SW;RR S	60	30 S6	73, 80 oct.
Sam Houston State College (Huntsville, Tex)	2.5 NW;RR E	401	24 S2	80 oct.
(A) So. Camp Polk Landing Strip (Camp Polk, La) (A)	Adj E	300	21h	
Sky Harbor (Anahuac, Tex)	0.3 S;hwy N	24	22 S1	80 oct.
Skyport (Houston, Tex)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston, Tex)	6 ENE;RR N	60	30 S4	80 oct.
Tri-Cities (Goose Creek, Tex)	2.6 N;RR E	25	24 S2	80 oct. P-line SE
(P) Wharton (Tex)	1.8 ENE;RR N	100	45 S4	80 oct. P-line NW,NNW.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

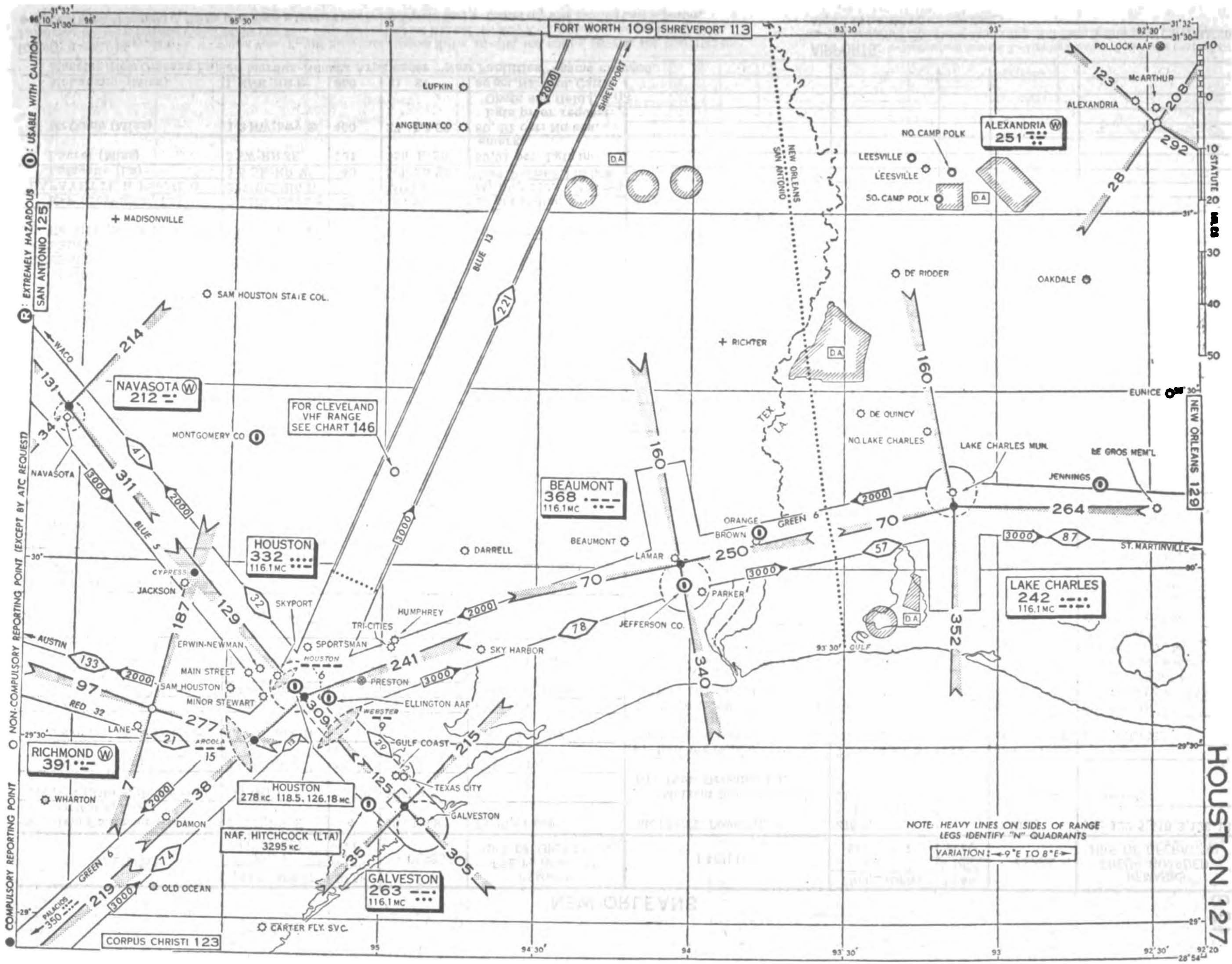
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
HOUSTON	109.9	333.8	35°	IM-	MM- •—•—(0.66) OM- ——(4.78)
				MMK-	OMK-
				IM-	MM- OM-
				MMK-	OMK-

NEW FACILITIES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
CLEVELAND Range (Tex)	109.1 (CL)		VARW	
Brown (Orange, Tex)	3.6 WSW;hwy SE	20	47 S4	80,91 oct. No sto. F-line SE.
Darrell (Liberty, Tex)	4.3 ESE;RR, hwy N	30	29 S1	80 oct. F-line N
Lane (Rosenburg, Tex)	2.5 SE	106	25 S2	80,91 oct. NNW.
Texas City (Tex)	1.8 NNW	8	34 S4	80,91 oct. F-line NE.
ELLINGTON Tower (Houston, Tex.)	219		CA	4495;126.18 (8-17)
→ Leesville (La)	2 E;hwy N	150	12 S1	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


FORT WORTH 109
SHREVEPORT 113
SAN ANTONIO 125
CORPUS CHRISTI 123
NEW ORLEANS 129
ALEXANDRIA 251
NAVASOTA 212
BEAUMONT 368
HOUSTON 332
HOUSTON 278 KC 118.5, 126.18 MC
RICHMOND 391
GALVESTON 263
LAKE CHARLES 242
NAF. HITCHCOCK (LTA) 3295 KC
FOR CLEVELAND VHF RANGE SEE CHART 146
LUFKIN
ANGELINA CO
MADISONVILLE
SAM HOUSTON STATE COL.
MONTGOMERY CO
NAVASOTA
WACO
AUSTIN
BLUE 13
SHREVEPORT
NEW ORLEANS SAN ANTONIO
POLLOCK AAF
McARTHUR
ALEXANDRIA
NO. CAMP POLK
LEESVILLE
SO. CAMP POLK
DE RIDDER
OAKDALE
RICHTER
EUNICE
DE QUINCY
NO. LAKE CHARLES
LAKE CHARLES MUN.
DE GROS MEM'L
JENNINGS
ST. MARTINVILLE
ORANGE
BROWN
GREEN
BEAUMONT
LAMAR
PARKER
JEFFERSON CO.
DARRELL
CYPRESS
JACKSON
SKYPORT
TRI-CITIES
HUMPHREY
ERWIN-NEWMAN
SPORTSMAN
SKY HARBOR
MAIN STREET
SAM HOUSTON
MINOR STEWART
PRESTON
ELLINGTON AAF
WEBSTER
GULF COAST
TEXAS CITY
GALVESTON
LANE
ARCOLA
WHARTON
DAMON
OLD OCEAN
PALACIOS 350
CARTER FLY. SVC.
RED 32
GULF
TEX LA
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 9°E TO 8°E
HOUSTON 127

NEW ORLEANS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(N) Alvin Callender (New Orleans, La)	9 SSE;RR E	4	50h L5 S4	73,80,91 oct.
BATON ROUGE Range (La) (Harding)	347 (RX)	119°,3.4	MRLWZ	
Bogalusa (La)	2.4 N;RR E	100	35 S6	80,91 oct. .No sto. Poles S.
→ Chapman (New Orleans, La)	8.5 NE;lake N			ABANDONED
* Covington Int,3,NO-LS (La)	6 NNE;hwy W	77	27 L3	Pole line W.
* Donaldsonville Int. 26. HU-NO (La)	3 ENE;hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge, La)	4 E;hwy N,E	56	31 S4	80,91 oct.P-line S.
Ellisville (Miss)	1.3 SW	240	18 S4	80 oct.Trees all appchs.
(A) Esler (Alexandria, La) (A)	11 NE;Bayou S	108	45h	CLOSED
False River (New Roads, La)	1.6 wSW;lake S	30	30 S1	80 oct.
Ferriday (La)	1.5 N;RR,hwy E	55	17	fld.
Girard (Lafayette, La)	2.5 NW;hwy E	39	26 S4	73,80,91 oct.Obst sur
Glendale (Hattiesburg, Miss)	5 NNW;hwy E	200	26 S4	80 oct. Trees sur fld.
Grand Isle (La)	2.6 NE;hwy NW	4	22	
(P) Gulfport Mun(Miss)	5 NE;bayou N	27	70h S4	80 oct..
→ Gulfport Mun(Old)(Miss)	1.3 N;RR E	30	24	
(P) Hammond	2 ENE;RR S	40	50h L5 S1	80,91 oct. Lgts prior req.
(P) [Harding](Baton Rouge, La)	5.8 NNE	70	60h L5 S2	80,91,100 oct.
(P) Harry P. Williams Memorial (Patterson, La)	2 WNW;hwy NW	9	32 L2 S4	80 oct.Trees NW
(A) Hattiesburg AAF (Miss) (A)	5 SSE;RR SW, NE	145	43h	Poles W,NW. CLOSED
(N) Houma NAS (LTA)(La)(N)	3.1 ESE;RR NE	11	50h	NAVY TEMP INACT.
Iberia Parish (New Iberia, La)	5 NW;RR NE	27	40h L5 S6	73-91 oct.
Joseph H. Sharpe (Natchez, Miss)	See Sharpe Airport under "New Facilities" - name changed			
KEESLER Army Range (Miss)	221 (DOX)	210°,2.9	BMRLZ	(4); 4220
KEESLER Tower (Miss)	201 (126.18)		CA	(4); 4220
(A) Keesler (Biloxi,Miss)(A)	2 WNW;bay N	26	66h L5 S5	100 oct.Rdo rqrd ngts.
K-P (Covington, La)	1.6 NW;hwy adj	27	18 S2	80 oct.P-line E.
LAFAYETTE H Fac. (La)	227(UG)(116.1)		MHTV	(4);116.1,122.1 on req.
Lafayette (La)	1.5 SE;RR W	40	50h L5 S5	80oct.P-line S.Fld lgts
Laurel (Miss)	3 SW;RR SE	231	55h L S6	80,91 oct. Lgts in/ emerg.
McComb (Miss)	1.3 NW;hwy E	460	27 L3 S6	80, 91 oct. No bcn. Lgts prior request. Obsts sur field. on fld.
McLaurin (Miss)	1 NNE;RR E	350	21 S4	80 oct,NE blkd. Cattle
Menefee (New Orleans,La)	See Meraux-Neunez Arpk under "New Facilities"-name changed.			
MOISANT Tower (La)	278 (118.3, 126.18)		C (ILS)	(4); 122.5,118.3,126.18
[Moisant International] (N) (New Orleans, La)	11 W;riv 1 S	3	70h L6 S4	91,100 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	
NEW ORLEANS Range (La) (Moisant)	338(NO)(116.1)	271°,3.2	SBRAZ-DTV	(3);116.1,122.1
NEW ORLEANS Tower (La)	382 (126.18)		CA	(4); 126.18
(NG) New Orleans (La)	6.5 NNE;RR S	8	40h L4 S4	91,100 oct.; 80-100 oct, 1-ech main NG..
NEW ORLEANS NAS Tower	323 (142.74)		CN	(3); 142.74 (8-sunset)
(N) New Orleans NAS (La)(N)	4.6 N; on lake	7	34h S1	100 oct. Twr NE.
(P) Opelousas (La)	1.5 NE	35	18	Data unver.
Picayune (Miss)	2.3 NNE;hwy W	92	19 S4	80 oct.P-line W
Pike Burden (Baton Rouge, La)	5 SE	35	50 S1	80 oct. Data unver.
→ Texaco (New Iberia,La)	2.6 N;hwy W			ABANDONED
* Tylertown Int,7,NO-LS (Miss)	6 SE;rd E	393	40 L3	
→ Ulmer (Brookhaven,Miss)	1.5 NNE;RR W	500	24 S4	73,80 oct.No sto.P-line
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct. W

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

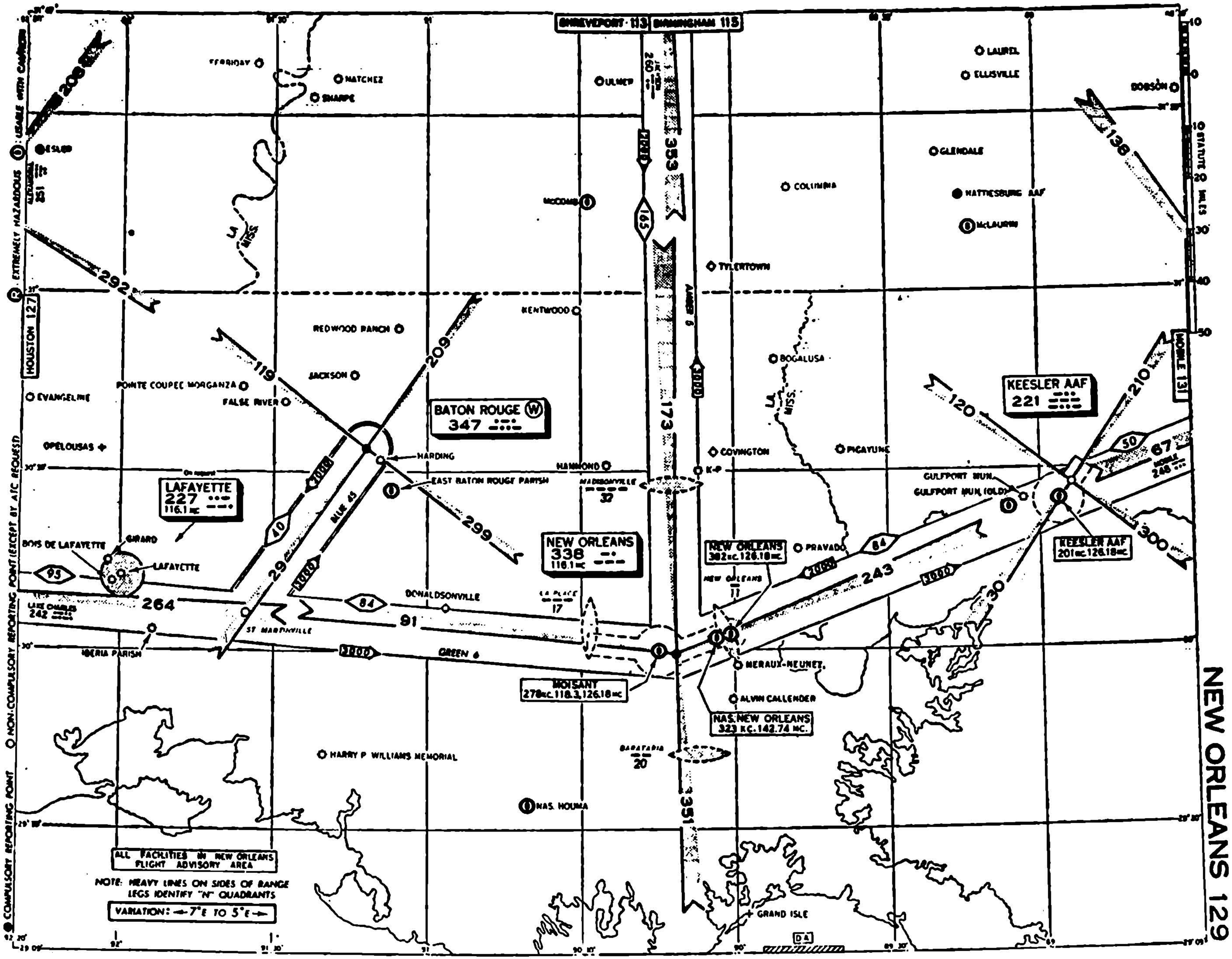
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MOISANT	109.9	333.8	100°	IM- ·····(0.05)	MM- -·-· (0.67)	OM- – –(3.92)
					MMK-	OMK-254 ·–··
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Pravado(Slidell,La)	1 W;hwy N	9	18 S1	80 oct
Kentwood (La)	0.4 N	100	15 S2	80 oct
Dobson(Bucatunna,Miss)	1 N;hwy W	185	22 S2	80 oct.Trees ENE,SSE,
Sharpe (Natchez,Miss)	1.8 ESE;RR S	27	26 S4	80 oct. N,W blkd NNW
Meraux-Neunez Arpk (New Orleans,La.)	5.2 E;riv S	1	25 S6	80 oct.P-lines S.
→ Bois de Lafayette (Lafayette,La)	2 SSW;bayou N	39	20	
→ Point-Coupee-Morganza (Morganza,La)	0.1 S;RR S	35	21	
→ Redwood Ranch (Wilson,La	2 SSE;RR .5 E	256	21 S1	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. ÷-Army A.C.S. transmits on and guards 116.1, 137.88. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) *-Guarded only when associated tower inoperative.

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


SHREVEPORT 113
BIRMINGHAM 115
FRIDAY
NATCHEZ
SHARPE
ULMER
LAUREL
ELLISVILLE
DOBSON
ESLER
GLENDALE
COLUMBIA
HATTIESBURG AAF
McLAURIN
McCOMB
TYLERTOWN
KENTWOOD
REDWOOD RANCH
JACKSON
BOGALUSA
POINTE COUPEE MORGANZA
EVANGELINE
FALSE RIVER
BATON ROUGE (W)
347
KEESLER AAF
221
OPELOUSAS
HARDING
HAMMOND
COVINGTON
PICAYUNE
LAFAYETTE
227
116.1
EAST BATON ROUGE PARISH
MADISONVILLE
GULFPORT MUN.
GULFPORT MUN. (OLD)
BOIS DE LAFAYETTE
GIRARD
LAFAYETTE
NEW ORLEANS
338
116.1
NEW ORLEANS
382 H.C. 126.18 MC.
PRAVADO
KEESLER AAF
201 MC. 126.18 MC.
DONALDSONVILLE
LA PLACE
17
NEW ORLEANS
11
LAKE CHARLES
242
ST MARTINVILLE
IBERIA PARISH
GREEN 6
MORSANT
278 H.C. 118.3, 126.18 MC
MERAUX-NEUNET.
ALVIN CALLENDER
NAS. NEW ORLEANS
323 H.C. 142.74 MC.
HARRY P WILLIAMS MEMORIAL
BARATARIA
20
NAS. HOUMA
GRAND ISLE
HOUSTON 127
HOUSTON 131
MOBILE 131
ALL FACILITIES IN NEW ORLEANS FLIGHT ADVISORY AREA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 7°E TO 5°E
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY A/C REQUEST)
USABLE WITH CAUTION
EXTREMELY HAZARDOUS ALTITUDES
STATUTE 10 MILES
NEW ORLEANS 129

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(A) Alliance #4 (Marianna,Fla)(A)	14 SE	215	50h	CLOSED.
Andalusia (Ala)	1.7 S;hwy W	340	18 S6	80 oct. P-line NW.
(A) Apalachicola AAF (Fla)(A)	2 W;RR N	19	53h	CLOSED.
* Atmore Int,16,NO-AG (Ala)	6 NW;at rd int.	287	31 L3	
(N) Bagdad OLF (Pensacola,Fla)(N)	14 NE;RR SE	111	18h	Use rnwys.
BARIN NAAS (EAST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-East (Foley,Ala)	2.7 ESE	51	41h	CLOSED (N)
BARIN NAAS (WEST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-West (Foley,Ala)	2.7 ESE	72	34h	CLOSED (N)
(A) Fascomb (Fla) (A)	3.5 NE	120	50h	CLOSED.
[Bates] (Mobile, Ala)	10 W;rd N,S	218	50h L5 S6	80,91 oct. No flood lgts; ctc lgts on req.
(P) Brewton (Ala)	3.5 S;riv N	92	40h	Cattle on fld.
Brewton (old)(Ala)	2.5 N;hwy E			ABANDONED
(N) Bronson NAAS (Pensacola,Fla)	12 WSW;bay W	27	44h	CLOSED (N)
BROOKLEY Tower (Mobile,Ala)	281 (126.18)+		CA	(4); 126 18
(A) Brookley (Mobile,Ala) (A)	3 SSW;RR NW	26	89h L5 S4	62,73,100 oct. JP-1.
(N) Canal OLF (Foley,Ala)(N)	8 S;rd W	16	36h	
Carabelle Flgt Strip (Fla)	2.6 W;hwy S	20	40h	
Chastain's (Prichard, Ala)	2.5 NW;hwy E	50	19 S6	80 oct. SSE blkd. Trees SW NNW
Chipley (Fla)	3.2 SE;RR N	100	26 S6	80 oct. S blkd. Trees N.
(N) Choctaw OLF (Pensacola,Fla)	15 ENE	111	40h	(N)
City Air Park (Panama City)	2.5 N	40	26 S6	80,91 oct. Data unver. (Fla
CRESTVIEW Range (Fla)	350(HW)(116.1)	263°, 2.6	SBRAZ-DTV	(4);116.1,122.1
Crestview, 21, NO-JX (Fla)	2.5 N;RR E	274	33 L2 S6	80 oct. No sto.
Davis (Mobile, Ala)	15.5 SW;bcn N	180	17 S6	80 oct.
De Funiak Springs (Fla)	1 W;hwy N	197	25 S6	80 oct. Obst sur fld.
Donalsonville (Ga)	1 S	150	40h	
DOTHAN Range (Ala)	233(NI)(116.1)	47°, 3.7	SBRAZ-DTV	(4); 116.1
[Dothan] (Ala)	3 WNW;hwy SE	330	40h L5 S6	80,91 oct. No sto. No flood lgts.
EGLIN Army Range (Fla)	209 (DVQ)	175°, 3.6	MRLPZ	Range cont.; (3); 126.18 (6-24)
EGLIN Tower (Fla)	278 (126.18)+		CA	(3); 126.18 (6-24)
(A) Eglin (Valpariso,Fla)(A)	1.8 SW;hwy SE	71	80h (L5) S4	73,100 oct. JP-1. No sto.
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
Ellis (Marianna, Fla)	9.5 N;riv W	116	50h	CLOSED
(N) Ellyson NAAS (Pensacola,Fla)	7.5 NNE;bay E	115	38h	CLOSED (N)
Enterprise (Ala)	0.5 N;hwy V	355	23 S6	80 oct. Trees WSW.
(N) Faircloth OLF (Lillian,Ala)(N)	3 NW;bay E	70	37	
Geneva (Ala)	2.4 NW;hwy S	88	23 S4	80 oct. RR S.
Gulf Airpark (Pensacola,Fla)	See Airpark (Pensacola, Fla.) under "New Facilities"-name changed.			
Headland (Ala)	2 NE;hwy N	350	48	
(N) Helm OLF (Pensacola,Fla)(N)	12 NW			ABANDONED.
(N) Holley OLF (Fla) (N)	1.5 S;riv N	37	36h	
Jackson Co. (Pascagoula,Miss)	3.5 ENE	16	45h S6	80,91 oct.
(N) Kaisers Tract OLF (Elberta, Ala) (N)	3.3 ENE;hwy S	90	25	
Luverne (Ala)	1.7 NNW;hwy SW	300	20 S4	80 oct. P-line W.E blkd.
(N) Magnolia OLF (Foley,Ala)(N)	5.4 NW	83	29h	
(A) Malone #2 (Marianna,Fla)(A)	15.5 N	154	50h	CLOSED.
(P) [Marianna](Fla)	6 NE;hwy E	112	50h L5 S6	80,91 oct. Fld lgts prior req
(P) Middleton (Evergreen,Ala)	6 WSW;hwys .3 E	258	40h L1	
(P) Milton "T" (Fla)	3,5 ENE;RR S	150	53 S6	80 oct. E,S,W blkd.
MOBILE Range (Ala)(Brookley)	248(MS)(vhf)	138°,3.2	SBRAZ-DTV	(3);116.1,122.1
(P) Napier (Dothan, Ala)	7.5 NW;RR S	397	45h	
(A) Ozark AAF (Ala) (A)	12 SSW	305	46h	TMP INACT NO FACS.
Panama City (Fla)	5 NW ;bay W	4	19 S4	80,91 oct.
PENSACOLA Range (Fla)	326(KH)(116.1)	340°,2.1	SBRAZ-DTV	(4); 116.1,122.1
(P) [Pensacola] (Fla)	4 NNE;bay E	121	50h L5 S6	80,91 oct.
Pensacola Arpk (Fla)	4 NW;hwy E	90	34 S1	80 oct. Allway fld.
PENSACOLA NAS-CHEVALIER Tower (Fla)	382 (142.74)		CN	(4); 142.74 (sunrise-30 min. after sunset)
PENSACOLA NAS-CHEVALIER (Seaplane) Tower (Fla)	2870 (142.74)		CN	3105;142.74 (730-1630 except Sat,Sun,and holidays)
(N) Pensacola NAS-Chevalier (Fla)	5.3 SW;RR W	9	26h L S6	91 oct. Flood,obst lgts (N)
PENSACOLA NAS-CORRY Tower	341 (142.74)		CN	3105; 142.74
(N) Pensacola NAS-Corry (Fla)(N)	5 WSW;hwy SE	32	43h L4 S6	91 oct. Obsts N,E,W.
(N) " OLF #1 (N) (Fla)	14 NW;riv 3 W	100	46	ABANDONED.
(N) " OLF #5 (N)	10 NNW;RR W	115	57	ABANDONED.
(N) " OLF #6 (N)	10 NNW;RR E	110	48	ABANDONED.
(N) " OLF #7 (N)	7 NW	103	37	ABANDONED.
(N) " OLF #8A (N)	13 NW	100	73	
(N) " OLF #9K (N)	11.5 NNW;RR E	110	50	ABANDONED.
(A) Reynoldsville (Ga) (A)	1.7 SSW	110	30h	CLOSED.
(N) Santa Rosa OLF (Milton,Fla)	6 E;rivs N,S,W	150	45h	(N)
SAUFLEY NAAS Tower (Fla)	275 (142.74)		CN (GCA)	3105,4495; 142.74
(N) Saufley NAAS (Pensacola,Fla)	8.5 WNW;bay SW	85	61h L5 S4	100 oct. NATS. (N)
(N) Silverhill OLF (Ala) (N)	3.5 WNW	129	30h	
Skyland (Panama City,Fla)	Within city W	12	20 S6	80 oct. No sto. P-line S.
Southern Airmotive (Dothan)	2 SE;hwy SW			ABANDONED.
(N) Spencer OLF (Pensacola,Fla)	15 NNE;bay S	145	18h	(N)
(N) Summerdale OLF (Ala) (N)	3.5 ENE;RR W	129	29h	CLOSED
TYNDALL Army Range (Fla)	203 (DKE)	313°, 2.8	MRLZ	(3); 126.18 (V, 6-24)
TYNDALL Tower (Fla)	272 (126.18)		CA	(3); 126.18 (6-24)
(A) Tyndall (Panama City,Fla)(A)	8 SE;Gulf SW	16	61h L5 S6	73,91,100 oct.
WHITING Navy Range (Fla)	524 (AWT)	130°, 3.2	MRLWZ	
WHITING NAS-NORTH Tower	269 (142.74)		CN	3105,4495; 142.74 (Fla)
(N) Whiting NAS-North (Milton,Fla)	6 N	200	60h (L6) S4	73,91,100 oct. (N)
WHITING NAS-SOUTH Tower				DECOMMISSIONED
(N) Whiting NAS-South (Milton,Fla)	5 N	178	60h	Use N Fld INACTIVE. (N)
(N) Wolf OLF (Elberta,Ala). (N)	5.8 SE	54	30h	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

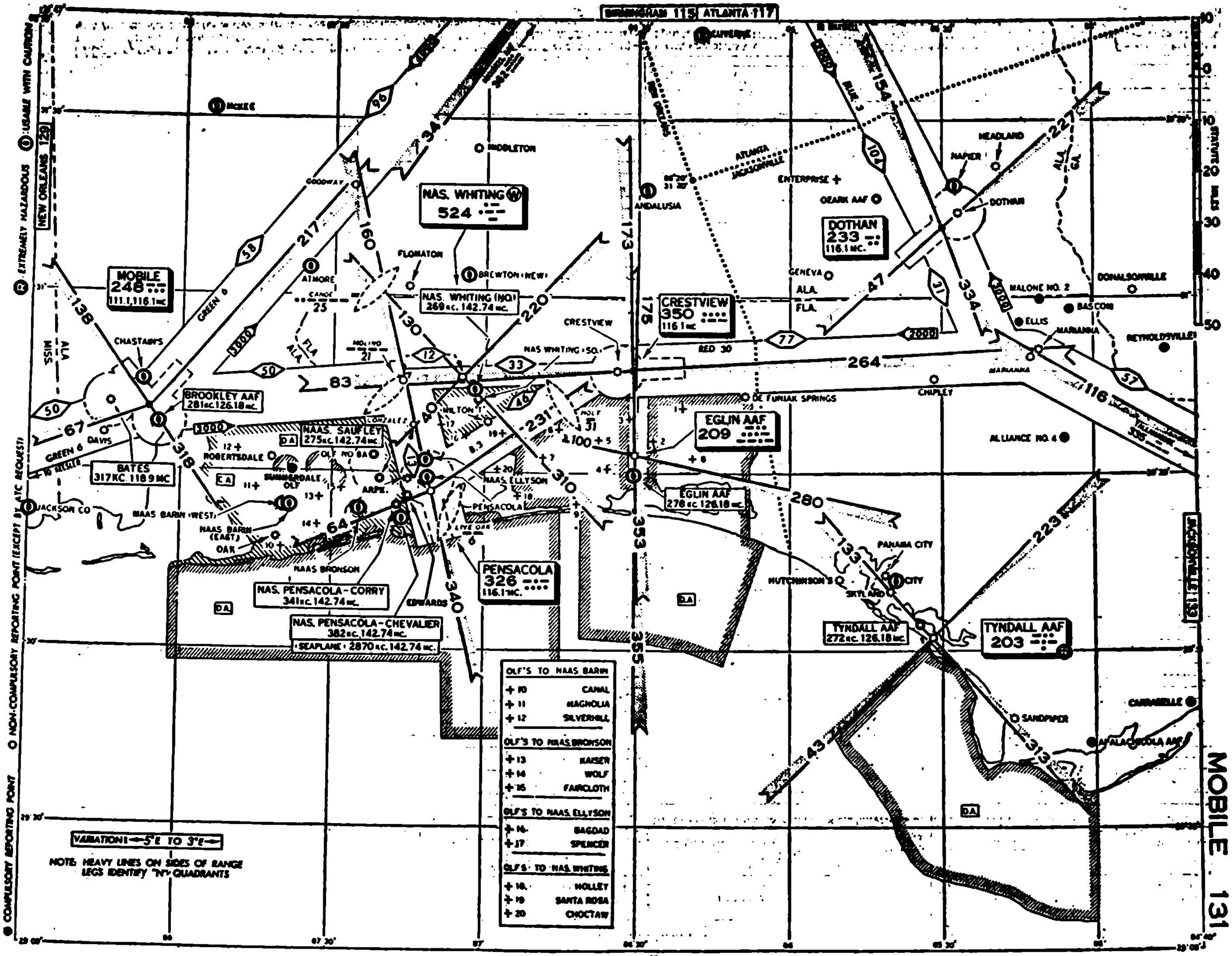
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

BATES tower (Ala)	317(118.9)	C		(4);118.9,122.5 prior req.
Flomaton (Ala)	2 NNE;RR 1 E	240	16 L S4	80 oct. P-line W. Strip lgts
Hutchinson's Avia. Port.	9.5 WNW	10	19 S4	80,91 oct. P-line S (Panama
Sandpiper (Port St. Joe,Fla)	1 E	20	20 S6	80 oct City, Fla.)
Headland (Ala)	2 ENE;hwy NW	350	48 S1	80 oct.
Oak (Foley,Ala.)	6 S;riv W	35	20 S6	80 oct. Trees E.
McKee (Jackson,Ala)	1.1 N;hwy E	60	17 S2	80 oct. S blocked.
Robertsdale (Ala)	1.3 E;RR W	142	19 S4	80 oct. P-line E.
Airpark (Pensacola,Fla.)	4.5 WNW;hwy SW	70	20 S1	80 oct.
Edwards (Pensacola, Fla.)	3 W;RR W	70	30 S6	80 oct.
Oak (Foley, Ala.)	6.0 S;riv N.	35	20 S6	80 oct. Trees E.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. ✣ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


MOBILE 131
BIRMINGHAM 115 ATLANTA 117
NEW ORLEANS 129
MOBILE 248 111.1, 116.1 MC
BROOKLEY AAF 281 RC 126.18 MC
BATES 317 RC 118.9 MC
NAAS. SAUFLEY 275 RC 142.74 MC
NAS. WHITING 524
NAS. WHITING (NO) 269 RC 142.74 MC
CRESTVIEW 350 116.1 MC
DOTHAN 233 116.1 MC
EGLIN AAF 209
EGLIN AAF 276 RC 126.18 MC
PENSACOLA 326 116.1 MC
NAS. PENSACOLA - CORRY 341 RC 142.74 MC
NAS. PENSACOLA - CHEVALIER 382 RC 142.74 MC
SEAPLANE 2870 RC 142.74 MC
TYNDALL AAF 272 RC 126.18 MC
TYNDALL AAF 203
OLF'S TO NAAS BARIN
+10 CANAL
+11 MAGNOLIA
+12 SILVERHILL
OLF'S TO NAAS BRONSON
+13 KAISER
+14 WOLF
+15 FAIRCLOTH
OLF'S TO NAAS ELLYSON
+16 BAGDAD
+17 SPENCER
OLF'S TO NAS WHITING
+18 HOLLET
+19 SANTA ROSA
+20 CHOCTAW
VARIATION 5°E TO 3°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "NW" QUADRANTS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT B ATC REQUEST)
EXTREMELY HAZARDOUS USABLE WITH CAUTION
STATUTE MILES

JACKSONVILLE

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
➝ALBANY Range (Ga) (Turner Aux. Field No. 1)	254(GY)(116.1)	298°,2.3	BMRLZ-DTV	(4);116.1,122.1 (DTV stn lctd at Albany Arpt)
[Albany] (Ga)	4 SW;RR N	196	49h L5 S6	80,91 oct. Lgts prior req.
ALMA Range (Ga)	242 (AJ)(116.1)	144°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
Alma, Site 43,MM-AG (Ga)	2.5 W;hwy N	200	43 L3 S1	80 oct.P-line NW.
Ashburn (Ga)	1.5 SE;RR,hwy W	430	18 S1	80 oct.
(A) Babcock (Boykin,Ga) (A)	3.5 ENE	145	30h	CLOSED.
Bainbridge (Ga)	7 NNW;RR NE	141	50h S6	80, 91 oct.
➝ Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
(A) Bemiss #3 (Valdosta,Ga)(A)	12 NE;hwy SE	198	50	TMP INACT.NO FACS.
(N) Bostwick OLF (Fla) (N)	1 NW;RR E	53	34	CLOSED
Bowser (Baxley, Ga)	2.5 S;hwy W;RR N	205	21 S1	80 oct.
Bradenton (Fla)	0.5 S;RR NE	20	24 S1	80 oct.Trees W.Poles SW
(N) Branan OLF (Jacksonville,Fla)	14.5 SW	73	40h L	B-2 lgts. (N)
BRUNSWICK H Fac. (Ga)	230(BS)(116.1)		MHTV	(4);116.1,122.1
Brunswick Arpk (Ga)	2.5 NNE;RR W	14	26 S2	80,91 oct Trees NE.
Bunnell (Fla)	3.3 E	34	50h	
➝ Camilla (Ga)	1.4 NW			ABANDONED
CECIL NAAS Tower (Fla)	201 (142.74)		CN	3105;142.74 (Flying hrs)
(N) Cecil NAAS (Jacksonville,Fla)	16 WSW;hwy NW	80	50h L5 S4	100 oct. Trees sur fld. (N
Civil Air Patrol (Waycross,Ga)	2.6 WSW;RR N	140	22 S6	80 oct.W blkd. Soft.
Commodore Decatur	2 W NW;hwy N	103	40h S1	80 oct.(Bainbridge,Ga.)
Conway Arpk (Starke,Fla.)	1.W;RR E	165	20 S1	80 oct.Obst sur fld.
Cook County (Adel, Ga)	1.3 W;hwy N,S	220	40h S6	80, 91 oct. SW blkd.
Craig (Jacksonville, Fla)	9 E;riv N	41	40h L5 S6	80,91 oct.
CROSS CITY(AAF)Range (Fla.)	269(FC)(116.1)	315°,2.7	SBMRAZ-DTV	(4); 116.1
(A) Cross City AAF (Fla) (A)	1 SE; RR SW	42	50h L4	CLOSED.
DALE MABRY Tower (Fla)	281 (118.3,126.18)		C	(4); 126.18,118.3,122.5
(P) [Dale Mabry](Tallahassee,Fla)	3 W; RR S	70	53h L5 S6	80, 91 oct.
Darien (Ga)	0.8 SE;riv S	30	14 S1	Ltd 80 oct. Trees W.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) [Daytona Beach](Fla.) ➝	2.8 SW;hwy S	34	41h L5 S6	80,91 oct. Ctc & rnwy lgts on req.
➝ Faceville (Ga)	3.5 S			ABANDONED.
(P) Fernandina (Fla)	4 S;ocean E	15	52h S6	80 oct.
➝ Fitzgerald (Ga)	2 SSW,RR W,E	365	23 S4	80 oct.Trees SSW.
(N) Flemings Island OLF (N)	17.5 SSW	23	40h L	B-2 lgts.(Jacksonv'l,Fla)
Folkston Int,37,MM-AG (Ga)	0.7 WNW;hwy E	82	20 L3	P-line NE,SW,NW
GLYNCO NAF Range (Ga)	520 (NEA)	239°,0.3	MRLZ	3105.6390(V- 0730-16)
GLYNCO NAF Tower (Ga)	317 (142.74)		CN	3105.4495;142.74(0730-16)
(N) Glynco NAF (LTA)(Ga)(N)	6.4 N Brunswick	25	38h L1 S4	91,100 oct. Hwy SE.
(A) Harris Neck AAF (Ga)(A)	7 E S.Newport	22	54h	CLOSED.
Hart (Jacksonville, Fla)	6.5 W;RR S	20	40 S6	80,91 oct.Trees sur fld.
Herlong (Jacksonville, Fla)	10.5 WSW	87	40h S2	80,91,100 oct.on req.
➝ Homerville Flight Strip (Ga)	1.7 NW;hwy NE	185	40h	
JACKSONVILLE Range (Fla)	344 (JX)(116.1)	269°,1.7	SBRAZ-DTV	(3); 116.1, 122.1
JACKSONVILLE Tower (Fla)	278 (126.18,118.5)		AC (ILS)	(4);122.5,126.18,118.5
(P) [Jacksonville#1](Fla.) ➝	6.3 N;RR W	52	71h L6 S6	80,91 oct. Hangar W.
JACKSONVILLE NAS Range (Fla)	365 (NIP)	89°,3.1	MRLZ	
JACKSONVILLE NAS Tower (Fla)	323 (126.18,142.74)		CN	(3); 126.18, 142.74
JACKSONVILLE NAS (Seaplane Tower) (Fla)	2870		CN	2870,3105 (avail.during working hrs. and on 1 hr's advance notice).
(N) Jacksonville NAS (Fla) (N)	7.2 S;riv E,N	20	60h L5 S6	91, 100 oct. NATS.
Jasper, 43, NO-JX (Fla)	3.5 SSE;RR NE	148	36 L3 S1	80 oct.Poles W.
Jesup (Ga)	2.3 NE;RR E	100	26	50'trees ends all strips
(P) Kay Larkin (Palatka, Fla)	3 NW;RR S	56	50h L5 S1	80,91 oct.
(A) Keystone (Keystone Heights, Fla) (A)	4.5 NNW;RR W	192	50h	CLOSED.
(N) Lake Butler OLF (Fla) (N)	2 SSW;RR NW	131	60h	CLOSED
Lake City (Fla)	3.7 ESE;RR S	201	60h S2	80 oct.
Lake Jackson (Tallahassee, Fla)	9 NNW;riv NW	250	26 S4	80 oct. Obst sur fld.
(A) Lake Park #2 (GA)(A)	1 SSW;hwy N	220	48	TMP INACT.NO FACS.
LEE OLF GCA (Fla)			GCA	Contact Navy Jacksonville Tower or Radio
(N) Lee OLF (Green Cove Springs, Fla) (N)	2.2 SE; riv N	22	51h	
➝ Live Oak (Fla)	1 W;RR W			ABANDONED
➝ MAYPORT CGAS (Fla)				DECOMMISSIONED.
(CG) Mayport CGAS (Fla) (CG)	0.6 NNE;riv N	16	43h	INACTIVE.
(N) Middleburg OLF (Fla) (N)	3 NNE;rds E,SE	34	32	CLOSED
(A) Montbrook AAF (Williston, Fla)	3.2 SSW;hwy E	70	70h	CLOSED. (A)
Monticello (Fla)	1.5 SW;hwy E	160	25	
(A) Moody (Valdosta,Ga) (A)	11.5 NNE;RR W	233	50h	TMP INACT.NO FACS.
(A) Moultrie (Ga) (A)	7 S;RR,hwy W.	287	40h	CLOSED.
➝ Nashville (Ga)	1.3 ENE;RR S	236	31 S4	80 oct.NE,SW blkd.
Northside (Moultrie, Ga)	3.2 NNW;RR W	300	30 S4	80 oct. No sto.
➝ Perry (Fla)	3.2 S;RR E	45	50h S4	80, 91 oct.
Pierson Memorial (Fla)	0.5 N;hwy ,RR W	70	21	
Quincy (Fla)	1.5 NE;hwy S	212	35 S6	80 oct. SE,WSW blkd.
(A) Rocky Ford #1 (Valdosta,Ga)	16 SW;hwy N	220	48h	CLOSED. (A)
➝ St. Augustine (Fla)	4 NNW;hwy W	10	42h S6	80, 91 oct.
St. Marys (Ga)	1.7 NNW;riv S	24	50h	Cattle on fld.
ST. SIMONS ISLAND NAS Tower ➝ (Ga)				DECOMMISSIONED
(N) St. Simons Island NAS (Ga)(N)	See Malcolm-McKinnon under "New Facilities" - name changed.			
Sky Haven (Albany,Ga)	1.5 SSW;hwy E	200	26 S4	80 oct P-line WNW.
Sawyer (Palatka, Fla)	2.6 SW;riv 2 S	60	25 S4	80 oct.
(P) South Georgia College (Douglas, Ga)	1.3 S;RR W	225	60 S6	Pwrline E.
Spence (Moultrie, Ga)	5 SE;hwy W	292	50h S6	80, 91 oct.
Stengel (Gainesville, Fla)	4 WSW;RR SE	70	47 S6	80,91 oct.
(N) Switzerland OLF (Fla) (N)	1.5 SE	31	40h	CLOSED
TALLAHASSEE Rng (Dale Mabry)	335 (TJ)(116.1)	85°,2.7	SBRAZ-DTV	(3); 116.1, 122.1 (Fla)
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct. No flood lgts.
Tennile (Fla.)	2.2 SSW;rd E	35	20	Trees SW
Terrell Co. (Dawson,Ga.)	2.5 SE;hwy N	353	26	S blkd. INACTIVE
(A) Thomasville AAF (Ga) (A)	8.5 ENE;hwy S	264	50h	CLOSED.
Thomasville com. (Ga)	1 SW;RR N	250	42 S2	80 oct. P-lines NW
Three "B" (Fitzgerald,Ga)	1.5 N	515	27 S6	80,91 oct.
Tifton Mun. (Ga)	2.3 SE;hwy W	343	50h L5 S6	80,91 oct. Lgts prior req.
Tomoka (Daytona Beach,Fla)	See Ormond under "New Facilities" - name changed.			
(A) Turner (Albany, Ga) (A)	4 ENE;riv N	215	76h	TMP INACT,NO FACS.
Vada (Ga)	1.5 WNW;hwy E	140	40h	CLOSED.
➝ [Valdosta] (Ga)	3.7 S;RR W	226	56h L5 S1	80 oct. Lgts prior req.
(A) Waycross AAF (Ga) (A)	4 NW;hwy E	141	50h	CLOSED.
(N) Whitehouse OLF (Jacksonville, Fla) (N)	13 W; RR S	102	40h L	B-2 lgts.
Williams (Jacksonville, Fla)	3.3 WNW;RR E	25	18 S6	80 oct. No sto. P-line E.
Witt (Lake City, Fla)	2 WSW;hwy S	200	36 S4	80 oct. No sto.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

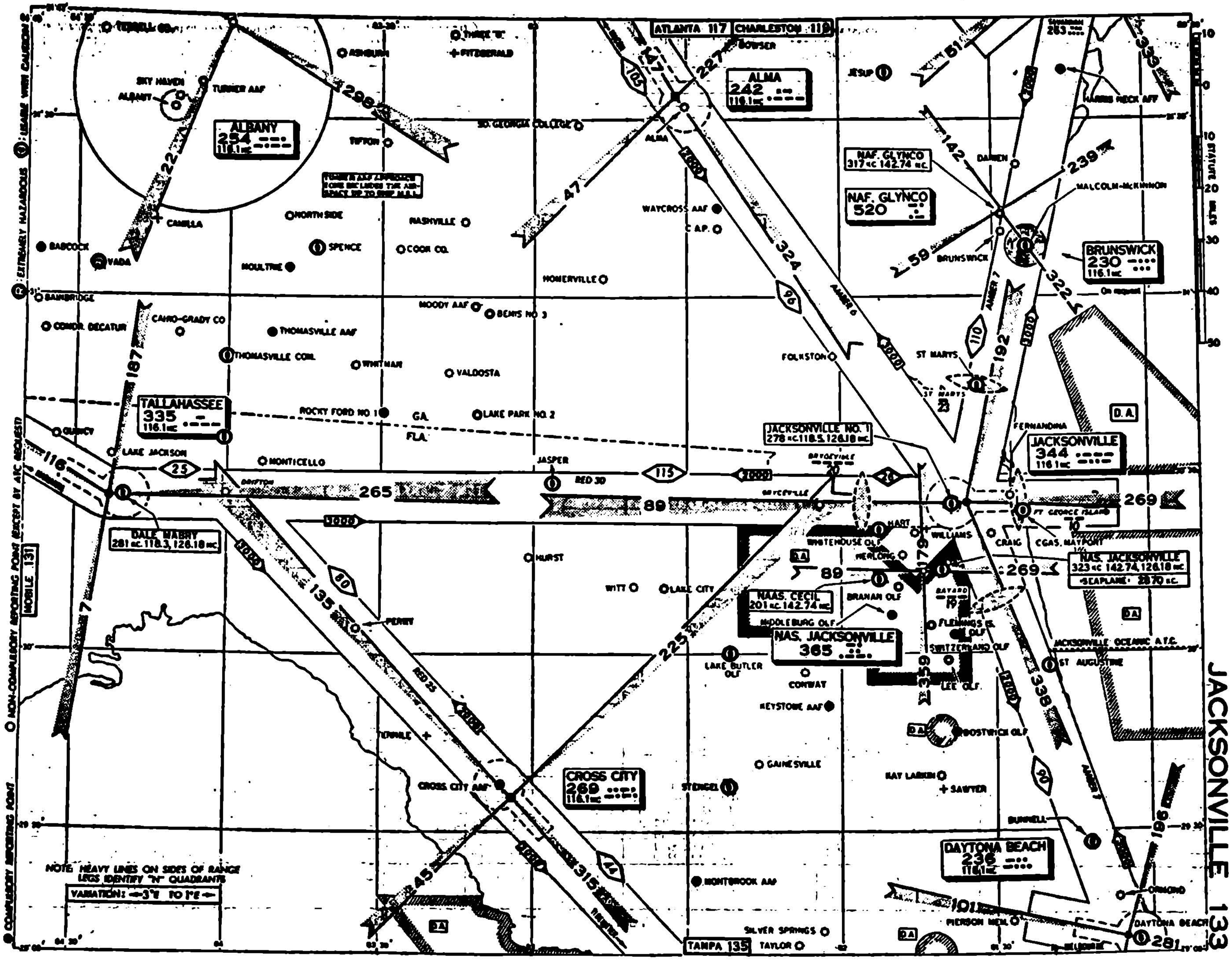
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
JACKSONVILLE	110.3 ·—·—·	335	44°	IM-	MM- ·—·—(0.66)	OM- ——(4.60)
					MMK-209 ——·——	OMK-251 ——··——
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Cairo-Grady Co. (Ga)	3.3 ENE	245	21	Trees SW. W. Rough
Camilla (Ga)	1.4 NW;hwy S	180	21 S1	80 oct.P-line SW,trees NE.
Whitman Flgt Strip (Ga)	2.4 NW;pond 0.5 E	180	19 S1	80 oct.
[Gainesville Mun] (Fla)	4.5 NE;RR W	155	50h L5 S4	80,91 oct. Lgts prior req.
Silver Spgs Aero Lodge (Fla)	0.3 W;RR 1 WSW	75	26 S1	80oct P-lines SE,S Lgt planes only
Hurst (Live Oak,Fla)	2.5 SW;rd NW	105	26 S6	80 oct P-line N,NW
➝ [Malcolm-McKinnon] (Brunswick,Ga)	6 E	19	41h L5 S6	80,91 oct. Lgts on req.
➝ Ormond (Fla.)	3.5 WNW;RR N	29	40h S4	80 oct. Ctn,stock on fld.
➝ Camilla (Ga.)	2.2 WSW;hwy N	180	39 S4	80,91 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
➧ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
➝ New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


ATLANTA 117
CHARLESTON 119
ALBANY
254
116.1 mc
ALMA
242
119.1 mc
TALLAHASSEE
335
116.1 mc
DALE MABRY
281 mc 118.3, 126.18 mc
NAF. GLYNCO
317 mc 142.74 mc
NAF. GLYNCO
520
BRUNSWICK
230
116.1 mc
On request
JACKSONVILLE
344
116.1 mc
JACKSONVILLE NO. 1
278 mc 118.3, 126.18 mc
NAS. JACKSONVILLE
323 mc 142.74, 126.18 mc
SEAPLANE 287.0 mc.
NAAS. CECIL
201 mc 142.74 mc
NAS. JACKSONVILLE
365
CROSS CITY
269
116.1 mc
DAYTONA BEACH
236
116.1 mc
TAMPA 135
JACKSONVILLE 133
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 3°W TO 1°E
NON-COMPULSORY REPORTING POINT EXCEPT BY ARC MOBILE 131
COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS (1) LEARS WITH CAUTION (2)
ALBANY
SKY HAVEN
TURNER AAF
CAMILLA
BABCOCK
VADA
BAINBRIDGE
CONOR DECATUR
CAIRO-GRADY CO
THOMASVILLE CORL
QUINCY
LAKE JACKSON
MONTICELLO
DALE MABRY
TIFTON
ASHBURN
THREE "E"
FITZGERALD
SO. GEORGIA COLLEGE
NORTH SIDE
NASHVILLE
SPENCE
COOK CO.
MOULTRIE
MOODY AAF
BEMIS NO 3
THOMASVILLE AAF
WHITMAN
VALDOSTA
ROCKY FORD NO 1
GA.
FLA.
LAKE PARK NO 2
JASPER
RED 30
DUNNELLON
HURST
WITT
LAKE CITY
PERRY
LIVE OAK
CROSS CITY AAF
HOMERVILLE
WAYCROSS AAF
C.A.P.
ALMA
JESUP
SOUTH
DARIEN
HARRIS NECK AFF
MALCOLM-McKINNON
BRUNSWICK
FOLKSTON
ST MARYS
FERNANDINA
HART
WHITEHOUSE OLF
WILLIAMS
CRAIG
CGAS, MAYPORT
FT GEORGE ISLAND
MAYPORT
BAYARD
FLEMMINGS IS. OLF
SWITZERLAND OLF
LEE OLF
MIDDLEBURG OLF
BRANAN OLF
LAKE BUTLER OLF
CONWAY
KEYSTONE AAF
GAINESVILLE
STENGEL
BAY LARKIN
SAWYER
BOOSTWICK OLF
JACKSONVILLE OCEANIC A.T.C.
ST AUGUSTINE
DUNNELL
DAYTONA BEACH
ORMOND
PIERSON MEM.
MONTBROOK AAF
SILVER SPRINGS
TAYLOR
D.A.
10 STATUTE MILES

TAMPA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(P) Albert Whitted (St. Petersburg, Fla)	2.5 E;bay E	6	33h L3 S6	80,91 oct. Coast Gd Stn adj Poles SW.
Altoona (Fla)	0.6 NW;RR E	155	25	Trees ends strips
Arcadia (Fla)	2 SE;hwy W	60	30	Trees around fld
Avon Park (Fla)	1.5 W;RR E	156	40h S4	80,91 oct. P-line S;trees sur
(A) Avon Park AAF (Fla) (A)	11 ENE;lake NW	65	54h	TMP INACT,NO FACS. flc.
BANANA RIVER Navy Range (Fla)	524 (NPB)	106°,4.6	MRLZ	(3)
BANANA RIVER NAS Tower (Fla)	224 (142.74)		CN	(3); 142.74
(N) Banana River NAS (Fla)(N)	11 SE Cocoa	9	40h L5 S6	91 oct.No bcn Lgts on req.
➸ Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
Bartow (Fla)	5.5 NE;RR NW	124	50h S4	80,91 oct.
Bradenton (Fla)	0.5 S;RR E	20	24 S6	80 oct. Obst sur fld.
(A) Brooksville AAF (Fla) (A)	7.5 SW;hwy E	70	70h	CLOSED.
Bunnell (Fla)	3.5 E;lk SW	34	50h	
Cannon Mills (Orlando, Fla)	3.8 E;arpt W	105	41 L S6	80 oct. Flood,obst lgts on req.
➸ Carlstrom (Arcadia, Fla)	7 SSE;hwy N			ABANDONED Obst sur fld.
Cedar Keys (Fla)	1 W;bay S	6	25h	
Clearwater (Fla)	2.5 NE;hwy S	73	30 S6	80,91 oct. Trees W,NE,SW,
➸ Cocoa (Fla)	1 NW;RR E	20	24 L1 S1	80 oct.Obst sur fld. NW
Conners (Okeechobee, Fla)	2.5 NW;RR S	34	50h S1	80 oct.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) [Daytona Beach],(Fla)	2.8 SW;hwy S	34	41h L5 S6	80, 91 oct
➸ Deland (Fla)	2.5 NNE;hwy N	80	60h L5 S1	80,91 oct.Trees NE.
➸ Dorr (Arcadia, Fla)	11.5 E;hwy N			ABANDONED
DREW Tower (Fla)	278 (126.18, 118.5)		AC	(4); 126 18,118 5,122 5 No bndry lgts.
(P) [Drew] (Tampa, Fla)	5 W;bay SW	26	70h L5 S6	80,91,100 oct.Rdo rec rqrd
(A) Dunnellon AAF (Fla) (A)	4.5 E;hwy S	66	50h	CLOSED.
Ellenton (Fla)	1.5 NNW;RR N	18	24 S6	80,91 oct.P-line NE.
(P) Fette Aircraft Service (Fla)	See Venice Mun (Fla.) under "New Facilities"-name changed.			
Fort Pierce, com. (Fla)	3.3 SSE;RR E	19	25 L3 S6	80 oct. P-line W N,W,NW blkd.
(P) Fort Pierce, mun. (Fla)	3.5 NW;hwy E	24	50h	
Frank D. Waterman (Eustis, Fla)	0.9 SSW;lake NW	81	23 S2	80 oct Obst sur fld.
Gilbert (Winter Haven, Fla)	3.5 NNW;lake W,	135	40h S6	80, 91 oct
Gray's (Leesburg, Fla)	5 N;RR,hwy W	130	27 S6	80 oct. Orange groves W.
Haines City (Fla)	1 NW ➸	175	20 L1	
(P) Hendricks (Sebring, Fla)	See Sebring Air Terminal under "New Facilities"- name changed.			
Hidden Acres (Clarcona, Fla)	1.5 WNW;lake W	93	27 S5	80 oct E blkd.
(A) Hillsborough AAF (Tampa, Fla)	7 NNE	67	50h	CLOSED (A)
Hoequist (Orlando, Fla)	3.8 SW;hwy E	90	20 S4	80 oct.
Honeymoon Island (Dunedin)	2.5 W		30	Data unver. (Fla)
Kerlin (Minneola, Fla)	0.5 NE	100	18 S2	80 oct
(P) Kissimmee (Fla)	2 W; RR N	82	50h L5 S4	80,91 oct.No bndry,flood.
Lakeland AAF (Fla)	See Drane under "New Facilities"- name changed.			
[Lakeland Mun. #1] (Fla)	2.8 N;lake E	159	35h L5 S6	80,91 oct Ctc lgts on prior req. till 2400
Lake Wales (Fla)	2.3 WSW;RR N	125	40h L3 S6	80, 91 oct.
(A) Leesburg AAF (Fla) (A)	4 ENE;RR SE	67	50h	CLOSED.
Ludwig Sky Harbor (St. Petersburg, Fla)	See Sky Harbor Airport under "New Facilities" - name changed			
MAC DILL Tower (Fla)	227 (126.18)+		CA (ILS-W)	(3); 126 18. ◆ 00,20
(A) MacDill (Tampa, Fla) (A)	8 SSW;bay NE	9	100h L5 S6	73-100 oct.JP-1 No sto.
(N) Malabar OLF (Fla) (N)	7 WNW	27	40h	
MELBOURNE Range (Fla)	257 (OU)(116.1)	158°, 2.3	SBRAZ-DTV	(4); 116 1, 122 1 SW.
➸ Melbourne-Eau Gallie (Fla)	2.2 NW;RR E	26	43h L5 S6	80,91 oct. Lgts on req. Trees
(A) Montbrook AAF (Williston, Fla) (A)	3.2 SSW;hwy E	70	70h	CLOSED.
New Smyrna (Fla)	3 NNW;RR W	12	50h S6	80,91 oct.
ORLANDO Range (Fla)	206(OR)(vhf)	220°,3.4	BMRLZ-DTV	(3); 116 1, 122 1
ORLANDO Tower (Fla)	278 (126.18, 118.7)+		C	(4); 118.7,122 5,126 18
(A) [Orlando AAB] (Arpt)(Fla)	2.5 E;lake S	115	55h L5 S6	80,91 oct;100 oct mil acft.
Orlando Aviation Country Club (Winter Park, Fla)	1 NW;lake S	100	21 L S6	80 oct.Flood lgts prior req.P-line N.
Osceola (Sanford, Fla)	10 SSE;lake SE	95	40h	
Peter O.Knight (Tampa, Fla)	3.7 S;bay S,E,W	8	40h L5 S6	80,91 oct.Obst sur fld.
Pierson Memorial (Fla)	0.5 N;hwy,RR W	70	21	
(A) Pinecastle AAF (Fla) (A)	3 ESE;lake NW	95	100h	CLOSED.
PINELLAS Tower (Fla)	317 (118.3)		CI	(4); 122.5 (8-24)
(P) [Penellas Co. International] (St. Ptersburg, Fla.)	9.5 N;bay E	12	50h L5 S6	80,91,100 oct.
➸ Piper-Fuller (St. Petersburg, Fla)	4.8 WNW;bay W			ABANDONED
➸ Plant City (Fla)	3 E;hwy N			ABANDONED
(P) Punta Gorda (Fla)	5 ESE;hwy SW	25	50h	
Robinson (Plant City, Fla)	1.5 WSW;RR E	110	21 S6	80,91 oct E,ESE Blkd
(N) Roseland OLF (Sebastian, Fla)	1.7 W;riv N,E	23	40h	(N)
Ryan (Apopka, Fla)	1 N;hwy E	104	25 S4	80 oct. Obst sur fld.
➸ Sanford (Fla)	2.5 SE;hwy N	57	60h L5 S6	80, 91 oct. Lgts on req.
(P) [Sarasota-Bradenton] (Sarasota, Fla)	3.5 NNW;hwy W	24	50h L5 S6	80,91 oct. Lgts on req.
Sarasota, com. (Fla)	2.5 E;RR N,E	25	35 S6	80 oct. Obst sur fld.
Sebring (Fla)	4 SW;lake NE	200	20 L S6	80,91 oct.Lgts prior req.
Showalter Arpk (Winter Park) (Fla)	1 E;RR S	91	24 S4	80,91 oct. P-line SW.
Skyland (Lakeland, Fla)	1.9 WNW;RR S	170	21 S6	80 oct.No sto.Trees S.
Skyport (Dunedin, Fla)	1.5 N;RR E	4	30 L2 S6	80 oct. No bcn. S Blkd.
TAMPA Range (Fla)(Peter O. Knight)	388(TM)(116.1)	55°, 2.7	SBRAZ-DTV	(4); 116.1, 122.1
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct. No flood lgts
(P) Titusville-Cocoa (Titusville)	6 S;RR E	35	50h L5 S6	80 oct. Lgts prior req.(Fla)
* Titusville Int,20,MM-AG(Fla)	1.3 NW;RR E			ABANDONED.
Tomoka (Daytona Beach, Fla)	See Ormond under "New Facilities"- name changed.			
(N) Valkaria OLF (Melbourne, Fla) (N)	8 SSE;RR E	26	40h	
Venice Aux (Fla.)	0.5 SE;hwy V	20	36 S4	80 oct. Trees ENE,SE.
VERO BEACH H Fac. (Fla)	359(VB)(116.1)		MHTV	(4);116.1,122.1
[Vero Beach] (Fla)	1 NW;RR E	24	75h L1 S1	91 oct,Airlines only exc in
Wauchula (Fla)	2.1 E;riv W	120	21	Trees N,E,NE emerg
Wimauma (Fla)	0.8 ESE;RR W	35	36	Cattle on fld Bldg W
(P) Witham (Stuart, Fla)	1.5 SE;RR SW			ABANDONED
(P) Zephyrhills (Fla)	1.5 ESE;RR W	92	50h L5 S6	80 oct.No bndry lgts.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

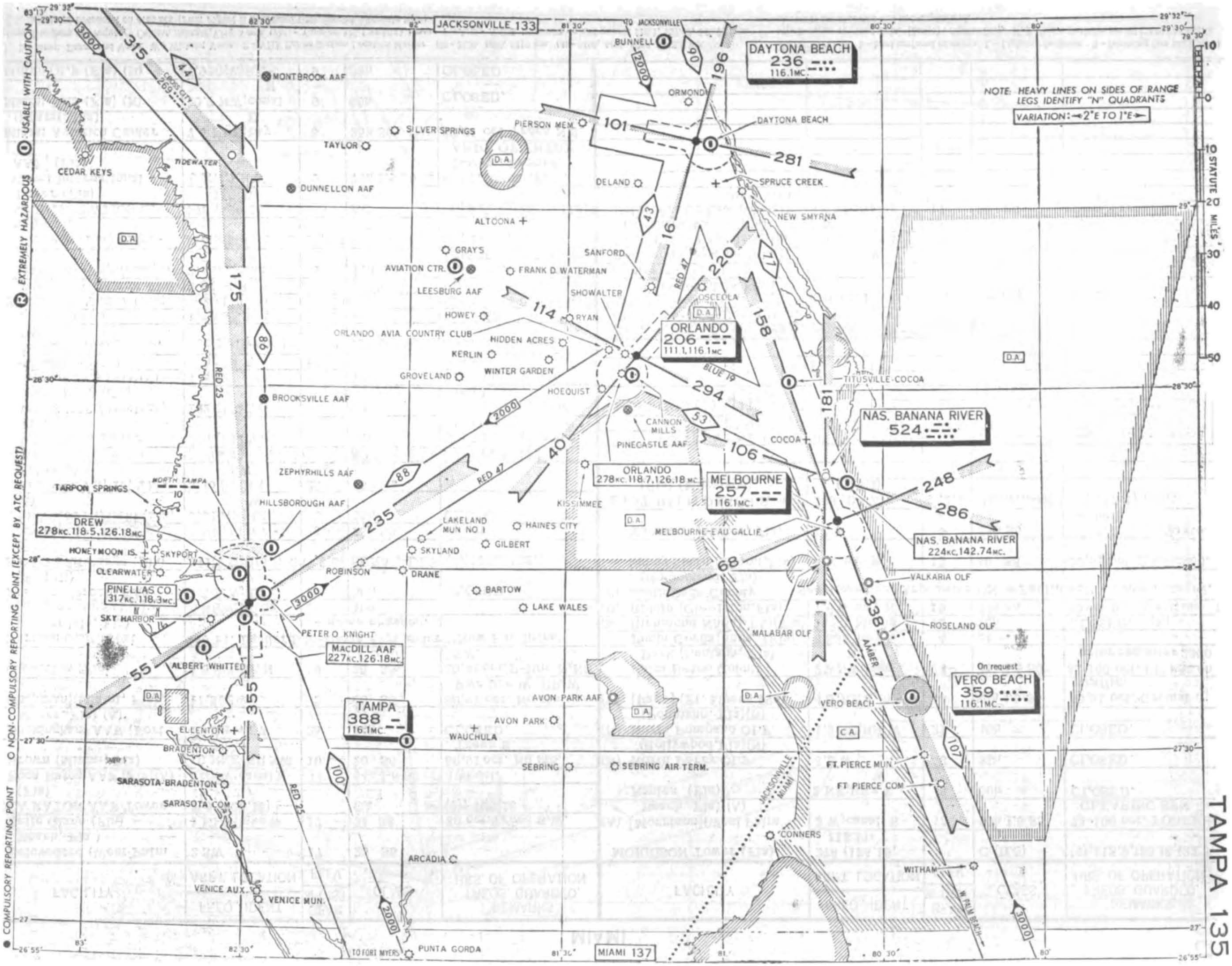
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MacDILL (A)	110.3	335	217°	IM- (0.07)	MM- ·····(1.09)	OM- – –(5.03)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

➸ Ormond (Fla)	3.5 WNW;RR N	29	40h S4	80 oct.Ctn,stock on fld.
Sky Harbor (St.Petersburg,Fla)	6 NE;bay E	8	28 S6	80 oct
Groveland (Fla)	1.8 SSE;lk NE	100	20 S3	80 oct
Winter Garden (Fla)	1.5 NW;lk NW	75	25 S2	80 oct
Tarpon Springs (Fla)	2 W;Gulf of Mex W	12	19 S1	80 oct Trees N,E,S
➸ Spruce Creek (Samsula,Fla)	3.5 N	25	40h	
Howey (Howey in the Hills,Fla)	0.5 S	75	20	
Aviation Ctr (Leesburg,Fla)	1.5 N;lk E	80	15h S6	80 oct
(P) Sebring Air Terminal (Fla)	6.5 ESE;RR 2 SW	62	52h L5 S6	80,91 oct.Lgts prior req.
Drane (Lakeland,Fla)	5.5 SW;hwy 3 N	135	50h	
(P) Venice Mun (Fla.)	1.9 SSE	19	50h S6	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (2) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.6 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.85 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➸ New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


JACKSONVILLE 133
TO JACKSONVILLE
MIAMI 137
TO FORT MYERS
DAYTONA BEACH 236 116.1MC.
ORLANDO 206 111.1,116.1MC.
MELBOURNE 257 116.1MC.
NAS. BANANA RIVER 524
NAS. BANANA RIVER 224KC.142.74MC.
ORLANDO 278KC.118.7,126.18MC.
DREW 278KC.118.5,126.18MC.
PINELLAS CO 317KC.118.3MC.
MACDILL AAF 227KC.126.18MC.
TAMPA 388 116.1MC.
VERO BEACH 359 116.1MC.
On request
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 1°E
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE MILES
CEDAR KEYS
TIDEWATER
CROSS CITY
MONTBROOK AAF
SILVER SPRINGS
TAYLOR
DUNNELLON AAF
ALTOONA
GRAY'S
AVIATION CTR.
LEESBURG AAF
FRANK D. WATERMAN
HOWEY
ORLANDO AVIA. COUNTRY CLUB
HIDDEN ACRES
KERLIN
GROVELAND
WINTER GARDEN
BROOKSVILLE AAF
ZEPHYRHILLS AAF
TARPON SPRINGS
NORTH TAMPA
HILLSBOROUGH AAF
HONEYMOON IS.
SKYPORT
CLEARWATER
SKY HARBOR
ALBERT WHITTED
ELLENTON
BRADENTON
SARASOTA-BRADENTON
SARASOTA COM.
VENICE AUX.
VENICE MUN.
ARCADIA
PUNTA GORDA
ROBINSON
DRANE
LAKELAND MUN NO 1
SKYLAND
GILBERT
HAINES CITY
KISSIMMEE
BARTOW
LAKE WALES
PETER O KNIGHT
AVON PARK AAF
AVON PARK
WAUCHULA
SEBRING
SEBRING AIR TERM.
BUNNELL
ORMOND
PIERSON MEM
DAYTONA BEACH
DELAND
SPRUCE CREEK
NEW SMYRNA
SANFORD
OSCEOLA
SHOWALTER
RYAN
HOEQUIST
CANNON MILLS
PINECASTLE AAF
COCOA
TITUSVILLE-COCOA
MELBOURNE-EAU GALLIE
MALABAR OLF
VALKARIA OLF
ROSELAND OLF
VERO BEACH
FT. PIERCE MUN
FT PIERCE COM
CONNERS
WITHAM
JACKSONVILLE MIAMI
AMBER 7
W PALM BEACH
RED 25
RED 47
BLUE 19
D.A
C.A
315
175
355
235
294
158
181
248
286
338
220
196
101
281
114
100
107
68
55
40
16
88
86
53
106
90
77
43
44
3000
2000

TAMPA 135

MIAMI

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Belevedere (West Palm Beach, Fla.)	2 SW	17	25 S5	
Belle Glade (Fla)	1 NNE;lake W	17	24 S6	80 oct. Trees S,W.
BOCA RATON AAF Tower (Fla)	396 (126.18)		CA	(3); 126.18
(A) Boca Raton AAF (Fla)(A)	2 NNW;canal E	14	64h L5 S6	100 oct.
Brown (Miami, Fla)	10 NNE;RR NW	10	20 S6	80,91 oct. No sto. Trees E.
(A) Buckingham AAF (Fort Myers, Fla) (A)	10 E;riv SW	25	54h	CLOSED.
Chapman (Miami, Fla)	11.5 SSW	3	40 S6	80,91 oct. No sto. Pwr line W. RR W
Clewiston (Fla)	1.6 SW;RR N	19	30 S6	80,91 oct. P-line N,NE, SW.
(N) Forman OLF (Fort Lauderdale, Fla)	See Ft. Lauderdale-Davie Arpt under "New Facilities" - name changed.			
Ft. Lauderdale (Fla)	6 NNW;RR SE	14	40h	
(N) Fort Lauderdale NAS (Fla) (N)	3.5 SSW;RR W	10	50h	CLOSED
FORT MYERS Range (Fla) (Page)	341(FM)(116.1)	38°,3.6	SBRAZ-DTV	(4);116.1,122.1
(P) Homestead, mun. (Fla)	2 NE;rd N	8	28 S6	80 oct.
(A) Immokalee Airfield (Fla) (A)	1.3 ENE;RR W	20	50h	CLOSED.
★ Immokalee Int, 13, TM-MM (Fla)	5.25 SE;RR SW	23	38 L2	
KEY WEST Range (Fla)	332(KW)(116.1)	70°,5.8	SBRAZ-DTV	(4); 116.1, 122.1
KEY WEST NAS Tower (Fla)	396 (142.74)		CN	(3); 142.74 (sunrise to sunset)
KEY WEST NAS (Seaplane) Tower (Fla) (NC)	272 (142.74)		CN	3105;142.74 (prior req.)
(N) Key West NAS (Fla)(N)	7 ENE	5	70h L5 S4	91,100 oct. No sto.
Lake Worth (Fla)	2 W;RR E	12	26 S6	80 oct.
MacArthur (Hollywood, Fla)	See Hollywood under "New Facilities" -name changed.			
Marathon (Fla)	1.8 ENE;hwy S	6	100h	CLOSED.
MASTER NAS Tower (Fla)	382 (142.74)		CN	(3); 142.74 (7-sunset)
(N) Master NAS (Miami, Fla)	8 NNW;RR W	9	74h L5	Pwr line SE. (N)
[Meacham] (Key West, Fla)	2.3 E;ocean S	4	41h L5 S1	80,91 oct. ARPT ENTRY Lgts prior req. No bcn
MIAMI Range (Fla) (International)	365(MM)(vhf)	270°,2.3	SBRAZ-DTV	(3); 116.1, 122.1
MIAMI INTERNATIONAL Tower (Fla)	278 (126.18, 118.5)		AC	(4); 122.5,126.18,118.5
(A) [Miami International - AAF] (Fla)	5 NW;RR W	9	74h L5 S6	80,91,100 oct. FEE. 2-way rdo rqrd. ARPT OF ENTRY.
Miami Aviation Center (Miami, Fla)	7.5 NNE;bay E	8	25h S6	80,91 oct Trees N,S.
(N) Miami NAS (Fla) (N)	10.7 NW;canal N	9	60h	CLOSED.
(N) Miami OLF (Fla) (N)	7.9 NNW;RR E	9	36h	CLOSED
MORRISON Tower (Fla)	278 (126.18, 118.9)+		C (ILS)	(4);118.9,126.18,122.5
(A) [Morrison] (West Palm Beach, Fla) (A)	2 W;canal S	18	70h L5 S5	73-100 oct. FOREIGN CLEARING STN.
Naples (Fla)	2 NE;RRs E, W	8	50h	CLOSED.
(N) North Perry OLF (Hollywood, Fla)(N)	6.3 W	9	32h	CLOSED.
(N) North Pompano OLF (Pompano, Fla)(N)	1.5 NE;RR W	21	40h	CLOSED.
(P) [Page] (Ft. Myers, Fla)	4 S;RR E, hwy W	18	50h L5 S6	80,91 oct. Ground traffic.
Palm Beach County Park (Lantana, Fla)	2 WNW;lake N, E	13	35h L5 S6	80-100 oct. Fld lgts on prior req. after 2300
Punta Gorda, mun. (Fla)	3 SSE;hwy E	4	24	
(N) Richmond NAS (LTA)(Fla)	15 SW Miami	13	20h	CLOSED. (N)
(P) Riddle (Clewiston, Fla)	7.6 W;hwy N	19	25h S6	80 oct. Heavy acft use ctn.
(P) South Dade County (Homestead, Fla)	See Homestead Arpt under "New Facilities" - name changed.			
Sunny South (Miami, Fla)	6 N;hwy E	12	40 S6	80,91 oct. E blocked.
Tamiami (Miami, Fla)	12 W	8	35h S6	80,91,100 oct. No sto. P-line N,W.
WEST PALM BEACH Range (Fla) (Morrison)	209 (DWZ) (116.1)	89°,2.4	BMRAZ-DTV	(3); 116.1, 122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

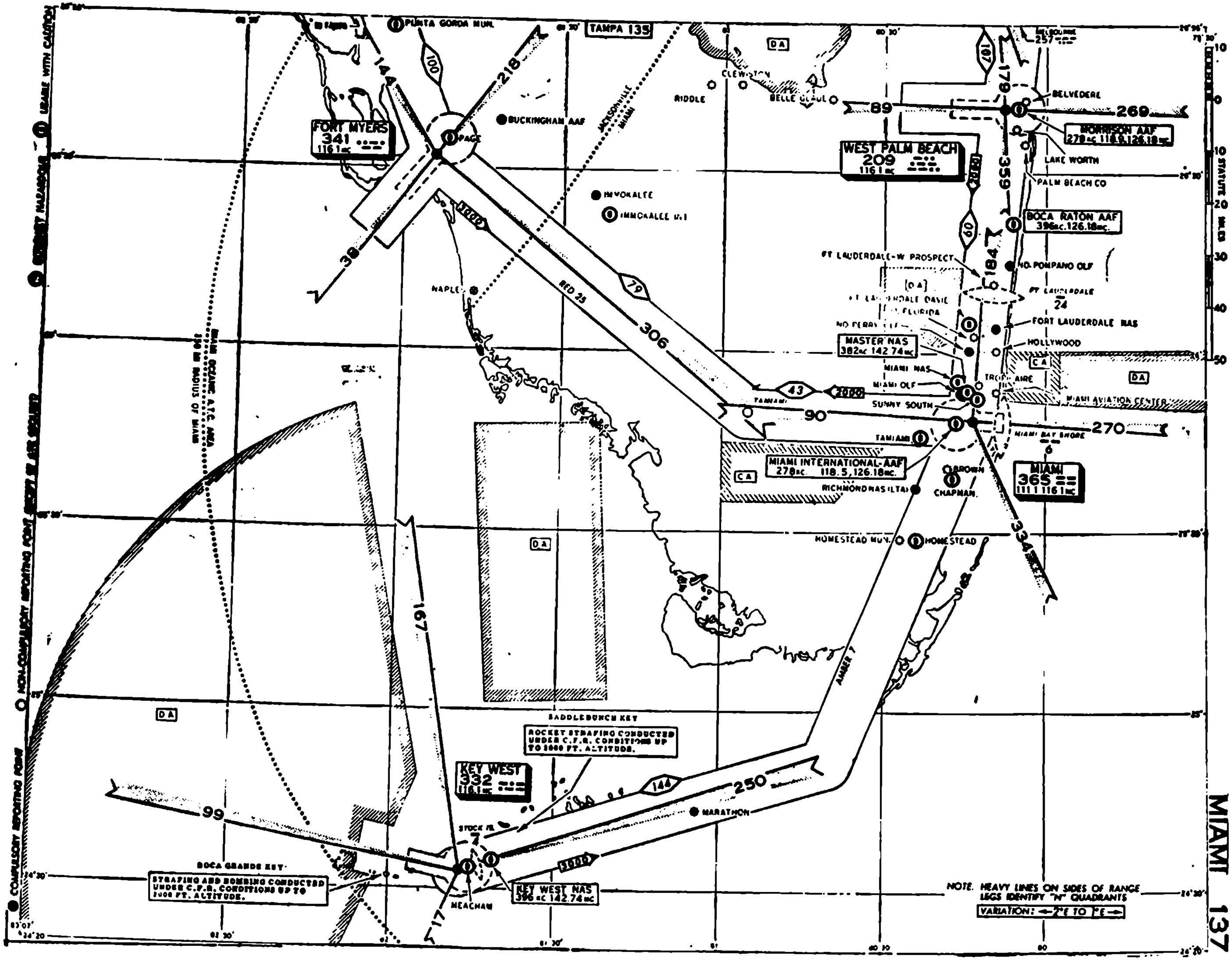
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MORRISON (A)	110.3	335	90°	IM-	MM- ····(0.61)	OM- ——(4.5)	
					MMK-	OMK-	
				IM-	MM-	OM-	
					MMK-	OMK-	

NEW FACILITIES

Ft. Lauderdale-Davie (Fla.)	6.5 WSW;hwy N	7	30h S4	80,91 oct.
West Prospect (Ft. Lauderdale, Fla.)	See Ft. Lauderdale above - name changed.			
Homestead (Fla)	5 E	8	60h L5 S6	80,91 oct. Landing fee.
Hollywood Arpk Inc. (Fla.)	1 SW;RR W	12	28 S6	80,91 oct. Trees SE,NW.
South Fla. (Ft. Lauderdale)	7.5 SW;hwy E	10	45 S6	80,91 oct. P-line E. (Fla)
Tropicaire (Miami, Fla)	9 N	10	22 S6	80,91 oct. P-line N,E,S;N,
Belvedere Co. Club (W. Palm Beach, Fla)	2 WSW;Army fld S	17	25 S6	80 oct. Trees SE, E blkd. NW. Lgt acft only.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ⟹ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


TAMPA 135
PUNTA GORDA MUNI
FORT MYERS
341
116.1mc
PAGE
BUCKINGHAM AAF
JACKSONVILLE
MIAMI
RIDDLE
CLEWISTON
BELLE GLADE
IMMOKALEE
IMMOKALEE U-1
NAPLES
RED 25
WEST PALM BEACH
209
116.1mc
BELVEDERE
MORRISON AAF
278mc 118.9,126.18mc
LAKE WORTH
PALM BEACH CO
BOCA RATON AAF
396mc.126.18mc.
FT LAUDERDALE-W PROSPECT
NO. POMPANO OLF
FT LAUDERDALE
FORT LAUDERDALE NAS
HOLLYWOOD
MASTER NAS
382mc 142.74mc
MIAMI NAS
MIAMI OLF
TAMIAMI
SUNNY SOUTH
TRI-COUNTY AIRE
MIAMI AVIATION CENTER
MIAMI BAY SHORE
MIAMI INTERNATIONAL-AAF
278mc 118.5,126.18mc
RICHMOND NAS (LTA)
BROWN
CHAPMAN
MIAMI
365
111.1 116.1mc
HOMESTEAD MUNI
HOMESTEAD
MIAMI OCEANIC A.T.C. ARTCC
150 NM RADIUS OF MIAMI
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
BADDLEBUNCH KEY
ROCKET STRAFING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 3000 FT. ALTITUDE.
KEY WEST
332
116.1mc
MARATHON
STOCK IS.
BOCA GRANDE KEY
STRAFING AND BOMBING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 3000 FT. ALTITUDE.
KEY WEST NAS
396 mc 142.74 mc
MEACHAM
AMBER 1
NOTE. HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 3°E
MIAMI 137

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Term.)	248(BU)(116.1)	SBML-DTV;93°, 3	(3); 116.1
BURBANK LFM	(- -)	LFM, 97°, 1.5	Burbank
CASTAIC FM	(- - . - -)	FM, 322°, 41	Los Angeles.
CHATSWORTH	341 (L)	FMHW;276°,10.5	(Cont.) Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMHW;77°,11.0	(Cont.) Los Angeles
EL TORO MCAS (Santa Ana)	3295(142.74)	CN(GCA)	3105,4495;126.18,142.74
GLENDALE	371 (S)	MHW;97°,7.3	(Cont.) Burbank
→ GRAND CENTRAL (Glendale)	201(118.7)	CI	(4);118.7,122.5 (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CI	(3); 126.18 (0730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERM. (Burbank)	278(126.18,118.3)	AC	(4); 122.5,126.18,118.3
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV	(3);116.1,122.1
Long Beach Airport	347(126.18,118.5	AC; 298°, 3.9	(4);122.5,118.5,126.18
LOS ALAMITOS NAS (Long Beach)	317(142.74)	CN	3105; 142.74 (8-1730)
→ LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV ;244°,3.9	(3); 116.1,122.1
Los Angeles Airport	272(126.18,118.9)	AC(ILS-W)	(4); 126.18,118.9,122.5
LOS ANGELES	109.1 (LA)	BVAR; 88°, 2.0	
NEWHALL (Int.)	209(NH)(vhf)	SBMRL-DTV;317°,0.1	(4);116.1 122.1
ONTARIO AIRPORT	219(126.18,116.1)	CI	(4);126.18,116.1,122.5 (8-18)
SANTA ANA (Navy)	359(NTK)	BMRLZ	3105;142.74
Santa Ana NAS	6970(142.74)	CN; 250°, 0.6	3105,3195;142.74 (Fly.hrs.& req.)
SANTA MONICA AIRPORT	353(126.18)	CI	(3); 126.18 (8-18)
→ TERMINAL ISLAND NAS (San Pedro)	338 (142.74)		DECOMMISSIONED
VAN NUYS METROPOLITAN AIRPORT	219 (126.18)	CI	(4); 126.18 (730-1530,except Sat. & Sun)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LOS ANGELES, →	109.9	333.8	247°	IM-	MM- •—•— (0.64)	OM- —— (6.04)	
					MMK-		OMK-

S-Simul Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

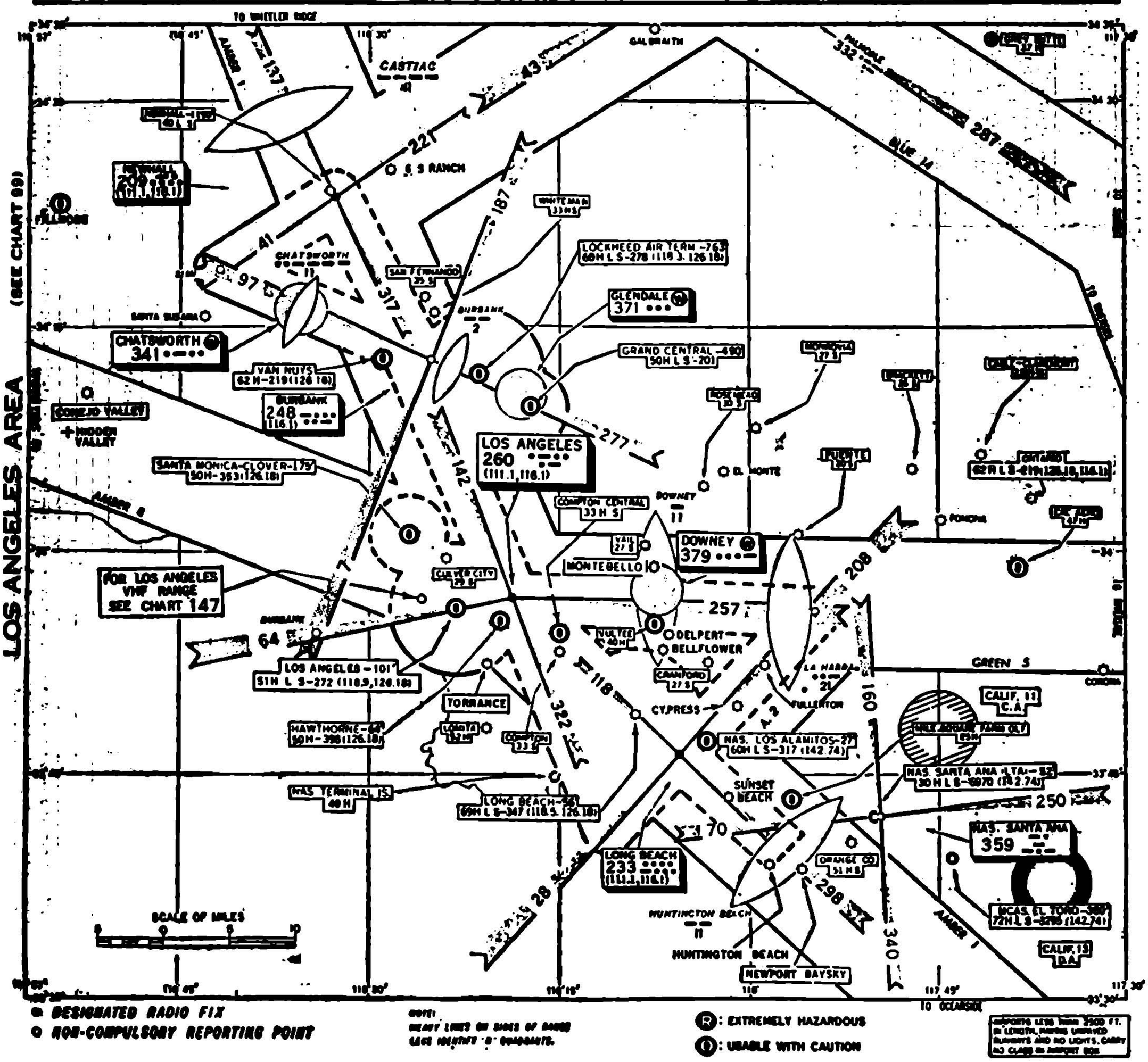
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;dyke N	80	21 S4	80 oct. No sto.
Brackett (Pomona)	3 NW;hwys N,E	1010	25 S6	80 oct. Hill W
Cable-Claremont	1.8 ENE;RR E	1400	22h S6	80,91 oct. Brush NNE.
Cal Aero (Chino)	4.5 SE	625	47h L	Restricted to W.A.A. Bndry lgts prior req.
Compton	1.5 W;hwy E,W	90	33 S6	80 oct. Poles E, N. Hwy N.
Compton Central (Compton)	2 NW;RR W	100	33h L S6	80,91 oct. Rdo & instr rprs. Rnwy data unver.
Conejo Valley (Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct. No sto. P-lines NE.
Corona	2.3 ESE;RR N	645	22 S6	80,91 oct. P-lines E,SE,W,NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City (Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Delpert Airpark (Norwalk)	1.5 W;hwy N	90	21 S6	80 oct. No sto. Pole.
El Monte	1 NNE;rd E	300	20 S6	73,80,91 oct. Trees SW. Bldgs NE.
(N) El Toro MCAS (Santa Ana) (N)	6 SE,RR,hwy W	380	72h R1 L5 S4	100 oct.
Fullerton	3 W;RR N	95	18 L1 S6	80 oct. Port rnwy lgts.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73, 80 oct.
Gardena Valley (Gardena)	2 NW;RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW	490	50h R1 L5 S6	73,80,91,100 oct. Bet RR & river.
(A) Grey Butte (Victorville) (A)	22 W	3050	37h	Mtns S. CLOSED
(N) Haster Farm OLF (Gardengrove) (N) (NC)	2 SW	65	14h	
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
(N) Horse Farm OLF (Los Alamitos) (N) (NC)	2 E	54	17h	
Hughes (Culver City) (NC)	3.6 SSW;RR N	15	91	Pole line NE. Closed to Public.
Huntington Beach	1.8 SE;hwy NW	4	19 S1	80 oct.
(NG) LOCKHEED AIR TERM. (Burbank) (N)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91 oct;100 oct Army. No sto. Two-way radio required.
(P) Lomita Landing Strip	1 W;hwy S	95	52h	Mtns S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	100 oct. No sto.
(N) Los Alamitos NAS (Long Beach)	6 E: hwy N	27	60h R1 L5 S4	80,100 oct. NATS
(P) [Los Angeles] (N)	9.5 SW;RR E	101	60h R3 L6 S6	91,100 oct. Rdo rqrd. Rnwy data unver.
(N) Mile Sq. Farm OLF (Santa Ana)	3.5 SE;riv E	44	35h L	Pwr lines S.
Monrovia (N)	0.5 SE;RR S	500	26 S6	80,91 oct. Tree N,S.
Montebello	2 SSW;RR S	180	34 S6	80, 91 oct.
* Newhall Int, 3A, LA-SF	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Newport Bay Sky Harb. (Costa Mesa)	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.
Norco	2.5 N;RR S	590	14 S1	80 oct.
(P) Ontario	2.5 E;bet RRs	952	62h R1 L5 S4	80,91,100 oct.
(P) Orange Co. (Santa Ana)	5 S;at fork rds	53	48h L5 S6	80,91 oct. Fldlgts on req.
(N) Palisades OLF (N) (NC)	2 E Costa Mesa	107	25	Bay N, W.
Pomona	1.8 SSE;rd W	775	20 S6	80 oct. Trees E, hill W.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. Poles NE, house SW.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA) (N)	3.6 SE;RR NE	52	30h R2 L4 S4	91,100 oct. No sto.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No ben. Lgts prior req.
Santa Susana	0.5 S;RR N	955	18 S1	80 oct. Hills ENE, P-lines WSW.
Sky Ranch (Puente)	See Puente Sky Ranch under "New Airports" -name changed.			
(N) Terminal Isl. NAS (San Pedro) (N)	2 ENE	14	49h	INACTIVE
Torrance Community (Los Angeles)	11.5 SSW;hwy W	82	21h S6	80 oct. No sto. Poles W; pwr line E.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct. Port rnwy lgts. Rdo rprs.
(NG) Van Nuys Metropolitan	2.8 NW;RR N	800	62h R1	Ltd 100 oct.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW. RST'D.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct. Pole line NNW, NE, SW.
NEW AIRPORTS				
Sunset Beach (Calif)	2.6 E;ocean SW	25	19 S4	80 oct. Fence ENE.
6 S Ranch Arpk (Solemint, Calif)	1 WNW;hwy N	1350	26 S6	80,91 oct. P-line E,W
→ Fillmore (Calif)	1 S;riv N	435	16	Tree W.
→ Cypress (Westminster, Calif)	4.6 NNW;RR SW	60	22 S1	80 oct. Pwr line NE.
Puente Sky Ranch (Calif)	1.3 E;RR S	402	30 S4	80 oct. Trees E, p-line W.
Hidden Valley (Camarillo, Calif)	10 SE;lake E	920	20	McMahans Oaklane Ranch. Data unver.



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS INDICATE "B" BOUNDARIES.

Ⓡ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

AIRPORTS LESS THAN 3500 FT. IN LENGTH, PAVED UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT USE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ann Arbor (Mich)	4 S	835	32 L3 S6	80 oct. Lgts prior req.
Bedford (Ohio)	2 NE;hwy W	1060	17 S2	80 oct. P-line N,SE.
Berz (Birmingham,Mich)	1.5 E;RR SW	700	32 S2	80,91 oct. N blkd.
Big Beaver (Mich)	0.8 E;hwy W	650	21 S6	80 oct. Pwr line N.
Brooklyn (Cleveland,Ohio)	5.5 SW;RR S	780	26 S2	73 oct.
Burns (Detroit, Mich)	8.5 WSW;RR N	625	19 S6	80 oct.SW blkd.P-line N
Chagrin Falls (Ohio)	3 E;hwy SW	1220	23 S4	80 oct.P-line N.
Chagrin Harbor (Willoughby, Ohio)	2.5 NNW	620	22 S6	80 oct.P-line W.
Chardon (Ohio)	2.8 S	1230	22 S4	80 oct.P-lines sur fld.
CLEVELAND Range (Ohio)	344(CV)(116.1)	100°,0.7	SBRAZ-DTXV (4);116.1	Use strips.
CLEVELAND Arpt. Range	278		MLW	(Ohio)
CLEVELAND Tower (Ohio)	278(126.18,118.3)		AC (ILS-W)	(4);118.3,126.18,122.5
(A) [Cleveland] (Ohio)	8.5 SW;riv W	789	60h L6 S6	73,80,91,100 oct.JP-1. FEE ARPT OF ENTRY
Cumberland (Portsmouth)	8 S	15	28 S4	80 oct. (Va)
DETROIT H Fac. (Mich)	201 (D)	329°,2.2	MHW	(Cont.) Detroit
DETROIT CITY Tower	278 (118.5)		C	(4); 122.5
[Detroit City] (Mich)	5.5 NE;RR S	625	53h L4 S6	80,91 oct. Fee Rdo rec rqrd. ARPT OF ENTRY P-line N. Tank W
DETROIT NAS Tower (Mich)	See Grosse Ile under "New Facilities" - name changed.			
(N) Detroit NAS (Mich) (N)	See Grosse Ile under "New Facilities" - name changed.			
ELYRIA H Fac. (Ohio)	219 (S)	280°,10.9	FMHW	(Cont.) Cleveland
Elyria (Ohio)	1.6 SSW;bet RRs	745	27 S4	80 oct. Poles SSE,S.
Euclid Ave. (Willoughby Ohio)	1.5 WSW;RR N	640	26 S6	80,91 oct. P-line S,hi-line N.
(N) Fentress NAAS (Va) (N)	2.5 ESE;hwy N	16	25h	CLOSED.
Ford (Detroit, Mich)	8.8 SW;RR N	600	37h	PRIVATE.
(P) Franklin (Va)	3 NE;RR S	38	41h L5 S6	80,91 oct. Trees sur fld.
Garner s (Windsor,Va)	4.8 NNE;hwy W	80	25 S2	80 oct.
Glen Rock (Norfolk,Va)	4.5 E;hwy W	18	24 S6	80,91 oct, Trees SW,
Gridley (Ypsilanti,Mich)	4.4 WSW;hwy E	840	24 S5	80 oct. Pole E;woods N
Hance (Wyandotte,Mich)	2.5 W;hwy N,E	590	28 S6	80 oct. N blkd.
Hartselle Air Terminal (Wayne, Mich)	3.5 NW;RR E	675	18 S6	80 oct.P-line E;trees ENE,W,WSW,WNW.
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW
Krist-Port (Farmington, Mich)	3.8 N,jct rds	860	27 S6	80 oct.Obsts sur fld.
LANGLEY Army Range (Va)	221(DLY)	102°,3.8	SBMRAPZ-DT	(3)
LANGLEY Tower (Va)	278(126.18)+		CA (GCA)	(4); 126.18
(A) Langley Field (Va) (A)	3 N Hampton	10	70h L5 S6	73,91,100 oct. JP-1.
Lorain City (Lorain,Ohio)	2.8 W;RR N	610	31 S4	80 oct.P-line NE,SE.
Lorain Skyport (Lorain, Ohio)	2.5 W;lk N	610	29 S4	80,91 oct.P-line S,SE. SW corner unusable.
Lost Nation (Willoughby, Ohio)	3 N;lk NW	626	40 S6	80,91 Rnwy data unv. oct.Obsts sur fld Rnwy data unver.
NEW FACILITIES				
(N) Grosse Ile NAS (Detroit, [Mich) (N)	17 SSW	594	47h L5 S6	91,100 oct. P-line E.
GROSSE ILE NAS Tower (Detroit, Mich)	269(142.74)		CN	(3);142.74 (8-17)

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
McEnnan (Ypsilanti,Mich)	2.7 SSW;riv NE	738	23 S4	80 oct. P-line E,Trees NW.)
McKinley (Fraser,Mich)	1.3 NW;RR E	620	27	P-line E, NE
Mettetal (Plymouth,Mich)	1.5 SSE;RR E	700	25 S6	80 oct.P-line N,NE,SW,W.,
Mid City (Hudson,Ohio)	2 S;RR S	1080	31 S4	80 oct. Poles W,NW.
Milan (Mich)	3.8 SW;RR SE	705	23 S2	80 oct: P-line N.
Monogram	2.8 W;riv W	21	45	CLOSED(Drivers,Va)
Nan-Bar (Flat Rock,Mich)	1 ENE;RR N	590	26 S4	80 oct.P-line NE,E.
Nat'l Fly Svc.(Detroit,Mich)	11.5 WSW;RR N	635	29 S4	80 oct.Poles NE,NW.
(N) Newport OLF (Mich) (N)	3 W;hwy E	608	20h	
NORFOLK Range (Va)	239(NW)(116.1)	44°,3.3	SBMRLZ-DTV	(3); 116.1
NORFOLK Tower (Va)	269 (126.18, 118.3)		AC	(4); 122.5,126.18, 118.3
[Norfolk] (Va)	5 ENE;RR SE	22	50h L5 S4	80, 91 oct.
NORFOLK Navy Range (Va)	356 (NGU)	276°,2.9	BMRLZ	(East Field)
(N) Norfolk NAS (Chambers)	7 N;rd N	13	26h	CLSD.Use E.Fld.(N)
NORFOLK NAS Tower (East)	323 (142.74)		CN(GCA)	(3); 142.74
(N) Norfolk NAS (East) (Va) (N)	6 N;RR SW	15	43h L5 S6	91,100 oct NATS.
NORFOLK NAS Tower (Seapl)	2870		CN	2870 (7-17 and on req)
OCEANA NAAS Tower (Va)	3295 (142.74)		CN	3105,4495;142.74 (745-1830)
(N) Oceana NAAS (Va) (N)	1 SW;RR N	20	60h L5 S4	91,100 oct.No bcn.
Ortner (Wakeman,Ohio)	4 NNE;RR S		26 S1	73 oct. Data unver
Peninsula (Hampton,Va)	2 WSW;RR N	12	26 S4	80 oct.
Pungo (Va)	0.8 NE	15	25h	
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1
Roseville (Mich)	0.5 S;hwy W	610	31 S6	80 oct.SE,SW blkd.
Sky Haven (Northfld,Ohio)	2.5 SSE;RR NE	1040	25 S4	73,80 oct.Pwr line W,S
Solon (Ohio)	1.1 SSE;RR NE	1034	24 S6	73,80 oct.P-line W,SE
South Norfolk (Norfolk,Va)	3.7 S;hwy NW	20	25 S2	80 oct.P-line W.
Stinson (Wayne, Mich)	1.4 SW;RR E	664	25h	PRIV. P-line NNE
Tecumseh (Mich)	1.8 NNE;riv SW	815	26 S6	80 oct.P-lines S W blkd
Triangle (Plymouth,Mich)	1.5 ESE lk N	700	26 S4	80 oct. P-line N,E,S. W blkd.
* Vermilion Int,28,CG-LG	3.7 SW;RR N,S	610	24 L3	N,SE,S,NW blkd. (Ohio)
Virginia Beach (Va)	6 W;RR N	15	43 S2	80,91 oct.P-line N. Hwy N
Ward (Bedford, Ohio)	1.5 S;RR E	980	20 S6	80 oct.
Waverly (Va)	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush
Warren (Mich)	1.6 WNW;RR E	625	23 S6	73,80 oct. sur fld
Washtenaw (Dexter, Mich)	3 SSE;hwy S	867	26 S4	80 oct. P-lines,trees all approaches
(NG) Wayne Co (Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct.1-ech.maint. NG.ARPT OF ENTRY
Willoughby (Ohio)	1.2 E;RR NW	700	25 S6	80,91 oct. P-line W,S
WILLOW RUN Tower (Mich)	332 (118.7)		C (ILS-W)	(4); 118.7
(P) [Willow Run] (Ypsilanti)	4.5 E;riv S	715	74h L5 S1	RR N.(Mich) FEE
WINDSOR Range (Ont.,Can)	353 (QG)	243°,3.3	SBRAZ-T	3105,6210,3117.5.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CLEVELAND	109.9		54°	MM–	OM– – – (4.75)
				MMK-	OMK-
WILLOW RUN			50°	MM–	OM–
				MMK- 323 – (0.65)	OMK- 359 • – – (5.80)

NEW FACILITIES				
(P) Suffolk (Va.)	3.8 SSW;RR E	66	50h	
Richmond (Gregory, Mich)	1.7 SE; lk E	920	23 S2	80 oct. Trees N,ESE.
Knapp (New Hudson,Mich)	0.5 SW;RR SE	947	25 S1	80 oct.N blkd.
Irish Hills (Springville,Mich)	3 N;lk S	990	20 S1	80 oct.Trees NE,SE.
Waterloo (Mich)	2.4 ESE;lk W	1040	23 S1	80 oct.Trees SE.Hills SW,W.
Flat Rock (South Rockwood,	2.8 W;hwy W	600	24 S4	80 oct. P-line NW. (Mich)

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. • A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

CHART 141

DETROIT AREA

(SEE CHART 33)

CLEVELAND AREA

(SEE CHART 49)

NORFOLK AREA

(SEE CHART 97)

SCALE OF MILES 5 0 5 10

RICHMOND
WATERLOO
WASHTENAW
ANN ARBOR
GRIDLEY
IRISH HILLS
TECUMSEH
MILAN
TO BURR OAK
LANSING 206
RED 21
GREEN 2
HIGHLAND
ROMULUS 230 116.1 MC
METTETAL
KRIST-PORT
WIXOM 20
KALINE 20
MCENNAN
STINSON
WAYNE CO
WILLOW RUN 332 KC 118.7 MC
TOLEDO 239
NATIONAL FLY SVC
BURNS
TRIANGLE
HARTSELL
FORD
SELFRIDGE AAF 388
ECORSE
TO OXFORD
BERT
BIG BEAVER
WARREN
MCKINLEY
JOY
ROSEVILLE
DETROIT CITY 278 KC 118.5 MC
DETROIT (W) 338
TO MITCHELL BAY
RED 1
TO CLEVELAND
HANCE
FLAT ROCK
NAN-BAR
WINDSOR 353
GROSSE ILE NAS 269 KC 142.74 MC
NEWPORT OLF
TO SANDUSKY
CA
DA
R21
RED 12
RED 20
TO WINDSOR
CLEVELAND VHF RANGE
LOST NATION 40 S
CHAGRIN HARBOR
EUCLID AVE 26 S
WILLOUGHBY
CHARDON
LORAIN 31 S
LORAIN SKYPORT
AVON LAKE
CLEVELAND 344 1116.1
BROOKLYN 26 S
BEDFORD
CHAGRIN FALLS
BRECKSVILLE
ELYRIA 11
ELYRIA (W) 219
VERMILION 24 L
GRAFTON
ELYRIA 27 S
CLEVELAND-785' 60H L S-278 (118.3, 126.18) 278 KC LOW POWERED RANGE ON REQUEST
NORTH ROYALTON
WELLINGTON
TO COLUMBUS
TO AKRON
PARKMAN
SOLON
WARD
MID CITY 31 S
SKY HAVEN 25 S
ARMOR 362
TO YOUNGSTOWN
TO PERRY
TO MANSFIELD
TO ERIE
LANGLEY AAF 221
LANGLEY AAF-10' 70H L S-278 (126.18)
BACONS CASTLE
RICHMOND 260
GREEN 6
WAVERLY
GARNER 25 S
ECLIPSE 16
MONOGRAM
FRANKLIN 30H
SUFFOLK 50H
PEANUT CITY
NAS. NORFOLK (EAST)-15' 43H L S-323 (142.74) (SEAPLANE)-2870
DEEP CREEK 10
CUMBERLAND
PENINSULA 26 S
NAS. NORFOLK 26 H
HAMPTON ROADS
BUCKROE BEACH
CAPE CHARLES
NAS. NORFOLK 356
WHITEHURST
NORFOLK 239 (116.1)
NORFOLK-22' 50 H LS 269 (118.3, 126.18)
NORVIEW
THALIA
VIRGINIA BEACH
NAAS. OCEANA-20' 60H L S-3295 (142.74)
SO. NORFOLK
PUNGO 25H
NAAS. FENTRESS-16' 25H
PORTSMOUTH
ROOSEVELT

- DESIGNATED RADIO FIX
- NON-COMPULSORY REPORTING POINT

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

NOTE: PLEASE USES ON SIDES OF RANGE USE IDENTIFY 'R' ON BOUNDARY

(R) EXTREMELY HAZARDOUS

(O) USABLE WITH CAUTION

SEATTLE - PORTLAND - INDIANAPOLIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ace (Anderson, Ind)	3.5 S;RR E	875	33 L S6	80 oct. Port lgts prior req.
Anderson (Ind)	3.5 SE;RR W	875	27 S6	80 oct. P-line NE.
(P) Aurora Flight Strip (Ore)	1.6 NNW;hwy W	196	41h	
Apex Arpk (Silverdale, Wash)	1.5 WSW	550	16	Data unver.
Bargersville (Ind)	1 NNE;RR W	701	27 S2	80 oct. Trees N. P-line E,W.
Barrys Sky Harbor (Tacoma)	2.3 ENE;riv SW	4	21 S6	80 oct. P-line E (Wash)
Beck (Joliet ville, Ind)	2.2 SSE;hwy 2W	830	18 S3	80 oct. P-line WNW.
Boeing - Renton (Renton, Wash)	0.9 NW;lake N	32	54h L5	Lgts prior req.
BOEING Tower (Seattle, Wash)	278 (126.18, 118.3)		AC	(4); 118.3, 126.18, 140.1, 122.5
(P) [Boeing] (Seattle, Wash)	6 S;riv SW	15	75h L5 S6	80-100 oct. No sto ARPT OF ENTRY.
Brightwood (Indianapolis, Ind)	3.7 NE;rd S		44 S4	80 oct. Data unver.
Brownsburg (Ind)	1.5 SSE;RR N	650	26 S2	80 oct. P-line S.
Canby (Ore)	0.5 NNW	150	17 S1	80 oct. Pwrline NE, SW.
City View Arpk (Tacoma, Wash)	4.5 NE	380	18	P-line SW.
Crawfordsville (Ind)	4.5 SSW	850	38 S4	80 oct. Hwys E, W.
Delaware (Yorktown, Ind)	1 NE;RR S	950	27 S4	80 oct. P-line N, W. Use strips.
Dwyer Landing Fld. (Portland, Ore)	7 SE;RR NW	200	16	Poles SW.
Enumclaw (Wash)	1.5 WSW;hwy E	740	20 S2	Ltd 80 oct. Pwrline E.
Farmers (Greenfield, Ind)	9 NW		26 S2	73 oct. Data unver.
Forrest Grove (Spanaway, Wash)	1.8 E;RR E	340	28 S6	80 oct. P-line S. Ctn.
Franklin Flying Fld. (Ind)	4 S	745	22 S6	80 oct.
G & C (Anderson, Ind)	1 N	875	30	Data unver.
Green Acres (Mulino, Ore)	1.9 SSW;RR W	269	18	SE blkd.
Greencastle (Ind)	2.5 ESE;RR N	780	20 S6	80 oct. P-line SE, S. Soft.
(P) Greenfield Inc. (Ind)	1.9 ENE;RR S	910	30 S6	80 oct. P-line S.
Groves (Camas, Wash)	2.8 N;hwy E	350	16 S1	Ltd 80 oct. Lake SW.
Himes (Whitesville, Ind)	0.8 E;RR SW	870	17 S1	80 oct. P-line NNE, NW
Hoosier-Park (Ind)	4 WNW;hwy N	740	26 S6	80, 91 oct. P-line NE.
Howell Brothers (Rushville, Ind)	2 SE;hwy SW	985	13 S4	91 oct. Bldgs SW.
Huffman Air Svc. (Selma, Ind)	0.8 SE;RR N	1000	19 S6	80 oct. Obsts sur fld.
INDIANAPOLIS Range (Ind)	266(ID)(vhf)	75°, 3.3	SBRAZ-DTV	(3); 116.1, 122.1
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(P) [Indianapolis] (Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct. Exper lgtg.
Kent (Wash)	1.5 SSW;riv N	30	30 S6	80 oct.
Kitsap Co. (Bremerton, Wash)	8 SW;hwy NW	482	50h L5 S6	80, 91 oct. Lgts on req. No sto
Lake Arpk (Bellevue, Wash)	3.5 SSE;	35	21h S2	Data unver. On lake shore
Lakewood (Tacoma, Wash)	7.5 SSW;RR E	243	22 S1	80 oct. Trees ENE, WSW.
Lapel (Ind)	1 NE	865	26 S4	80 oct. Obst sur fld.
Lebanon (Ind)	1 S;RR N	925	16 S4	80 oct. Trees SW.
Lizton (Ind)	1 SE		25	Data unver.
Loy (Plainfield, Ind)	0.5 S;RR W	873	20 S6	80 oct. E, SE blkd.
Martinsville (Ind)	See Elliott-Martinsville under "New Facilities" - name changed.			
McCHORD Army Range (Tacoma)	272 (DTA)	26°, 1.7	BMRL	
McCHORD Tower (Wash)	396 (126.18)+		CA (ILS-W) :45.05	(3); 116.1, 126.18
(A) McChord (Tacoma, Wash)(A)	7 SSW;lake SE	285	59h L5 S6	73, 91, 100 oct. JP-1. FOREIGN CLEARING STN.
Mecca (Danville, Ind)	0.8 WSW;hwy N	750	18 S2	80 oct. P-line E, SSE, NNW
Mercer (Seattle, Wash)	See Bellevue Airfield under "New Facilities" - name changed			
Milroy Int, 5, CC-CG (Ind)	5.5 ESE	1034	27 L3	
Moore (Zionsville, Ind)	12 NW		14 S1	80 oct. Data unver.
New Castle Western (New Castle, Ind)	2.3 NW;hwy E	1080	24 S2	80 oct. P-line N, SE. NW blkd.
New Castle (Ind)	3.2 E;hwy N	1040	29 S6	80, 91 oct. N, NE blkd.
Noblesville (Ind)	1 SE;RR N	801	24 S1	80 oct. Pwrline ESE.
Northern Tacoma (Puyallup)	1.3 N;RR N,S	20	19 L S6	(Wash) Lgts prior req.
Owen Pathfinder (Camby, Ind)	2.3 S	792	32 S1	80 oct. P-line SSE, SW. Use strips
PORTLAND Range (Ore)	332(PD)(vhf)	168°, 3.1	SBRAZ-DTV	(3); 116.1, 122.1
PORTLAND Tower (Ore)	278(126.18, 118.3)+		AC (ILS)	(4); 142.74, 122.5, 118.3, 126.18
(NG) [Portland] (Ore)	5 NNE;riv N	19	55h L6 S6	91, 100 oct. Lgts prior req.
(NG) Portland Birdsdale (Ore)	8.5 E;RR N	220	23 S6	80, 91 oct.
Puyallup (Wash)	6 S;hwy W	520	42 S6	80, 91 oct.
R.C. Sugg (Orchards, Wash)	See Evergreen Fld (Orchards) under "New Facilities" - name changed.			
Reese Fly. Serv. (Selma, Ind.)	3.5 SW;riv W	975	20 S2	80 oct. P-line E, NE.
R.O.K. (Gresham, Ore)	2.2 W;RR S	285	26 S5	73 oct. Pwrline E, ENE.
Schuler (Woodburn, Ore)	2.8 WNW;RR E	200	29	req. No flood, no bcn,
SEATTLE Range (Boeing) (Wash)	260(SA)(116.1)	296°, 2.8	SBRAZ-DTXV	(3); 116.1, 122.1 Lgts prior,
Seattle Sky Ranch (Issaquah)	1.6 NNW;hwy S	50	25 L5 S6	80, 91 oct. Hill S. (Wash)
SEATTLE Navy H Fac. (Wash)	532 (WN)		MH	(4) cont.
SEATTLE NAS Tower (Wash)	230(142.74)		CN (GCA)	(3); 142.74 (8-sunset)
(N) Seattle NAS (Wash) (N)	6.5 NNE;lk E	37	51h (L6) S6	91, 100 oct. NATS.
Seattle-Tacoma (Seattle, Wash)	10.5 S; RR E	405	61h	Trees and hills sur fld.
Shank's (Indianapolis, Ind)	6NW;hwy NE	740	32 S6	80, 91 oct.
Sheridan (Ind)	2.5 N	700	23 S6	80, 91 oct. P-line W. Data unver.
(P) Sky Harbor (Indianapolis, Ind)	7 ENE;hwy S, E	730	26 L S6	80 oct. P-line E, S, SE.
Sky Park (Oregon City, Ore)	2.7 SE;RR NW	440	27 S6	80 oct. P-line S.
South Port Orchard (Port Orchard, Wash)	7.5 SSW;lk S	350	30 S6	80 oct.
Spanaway Acft Co. (Spanaway)	1.2 SSE;RR S	375	25 S6	80, 100 oct. P-line S. (Wash)
Sportsman Arpk (Newberg, Ore)	1 E;riv SW;hwy W	173	23 S4	80 oct. Trees NNE.
STOUT Tower (Ind)	396		CA	4495 (9-18)
(A) Stout AAF (Indianapolis, Ind)(A)	5.5 WSW	714	45h L5 S4	100 oct, 2nd ech maint only
Suco Arpk (Shelbyville, Ind)	0.7 SE;RR NE	800	23 S2	80 oct. P-line E. Data unver
Tacoma (Wash)	4.4 W;hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk (Tacoma, Wash)	2.9 WSW;RR E	250	20 S4	80 oct. Sharp drop W edge
Vancouver (Wash)	1 SE	26	19 S6	Ltd 80 oct. fld.
Vancouver, mun. (Wash)	6.7 ENE	240	26 S1	80, 91 oct. Hwy W.
Wells (Milwaukie, Ore)	1.3 NE;RR W	158	17 S1	80 oct. Use strips only
White Cloud (Greenwood, Ind)	1.8 SW;hwy E	800	24 S6	80 oct. P-line N, NE, E, SE, NW
Yorktown (Ind)	0.8 S;RR N	910	20 S6	80, 91 oct. P-line N, E, W.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INDIANAPOLIS (L6)	109.9 ·-··	333.8	44°	IM-	MM- ·-·- (0.89)	OM- - - (4.3)
				MMK- 201 -··		OMK-219 ··
McCHORD (A)	109.9	333.8	337°	IM- (0.24)	MM- ····· (0.85)	OM- - - (4.44)
				MMK-		OMK
PORTLAND	109.9 ·-·- ·-··	333.8	113°	IM-	MM- ·-·- (0.52)	OM- - - (4.81)
				MMK-		OMK-219 ····
SEATTLE-TACOMA	110.3 (W)	335	338°	IM-	MM- ·-·- (0.65)	OM- - - (4.6)
				MMK- 371 ·- - ··		OMK-359 ···

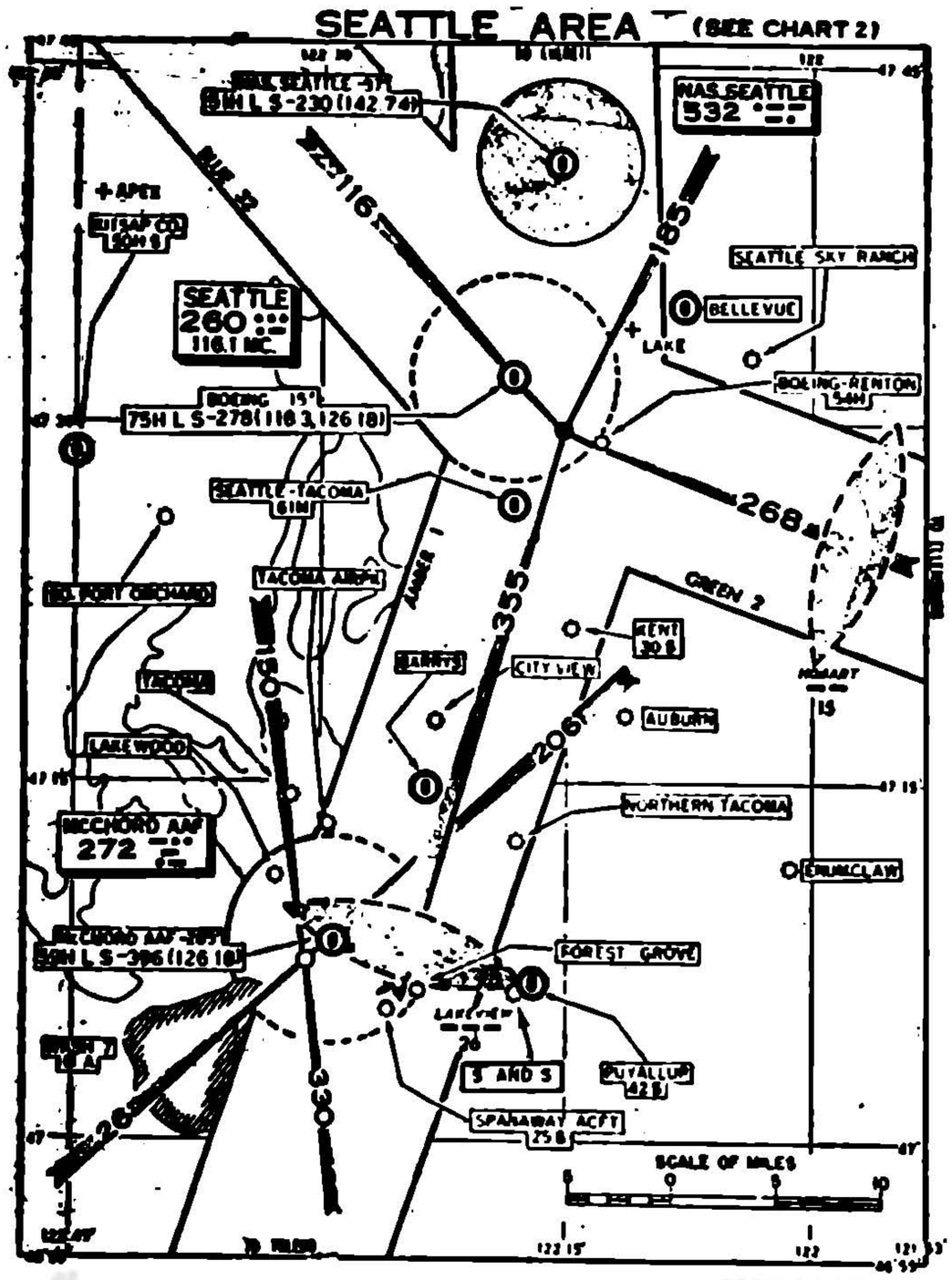
NEW FACILITIES

Bernard (Beaverton, Ore)	1.4 NNW;RR S	208	19 S6	80, 91 oct.
Columbia Co. (Scappoose, Ore)	1.2 NE;RR W	55	40h L S6	80, 91 oct. Port rnwy lgts, P-line NNW.
Hillsboro (Ore)	2.4 ENE;RR E	200	41h L5 S6	80, 91 oct.
Bellevue (Seattle, Wash)	9.5 E	345	22h S6	80, 91 oct. Rdo prs. Rnwy data unver.
Stewart (Lanville, Ind.)	2 E;hwy N	750	25 S2	80 oct. Wires N, S. Use strips.
Skylife (Fairview, Ore.)	4 W;RR N	243	28 S1	80 oct. Pwrline ESE.
Division Street (Ore.)	2.4 WNW;RR E	250	28 S6	80, 91 oct, S bldk. Trees N.
Auburn (Wash.)	1.8 ESE;lk NE	276	24 S6	80, 91 oct.
Evergreen Fld (Orchards, Wash.)	3.6 SSE;hwy S	310	24 L S6	80 oct. Port lgts prior req.
Elliott-Martinsville (Martinsville, Ind)	2.8 WSW;RR N	600	26 S2	80 oct. P-line N, SW, NW.

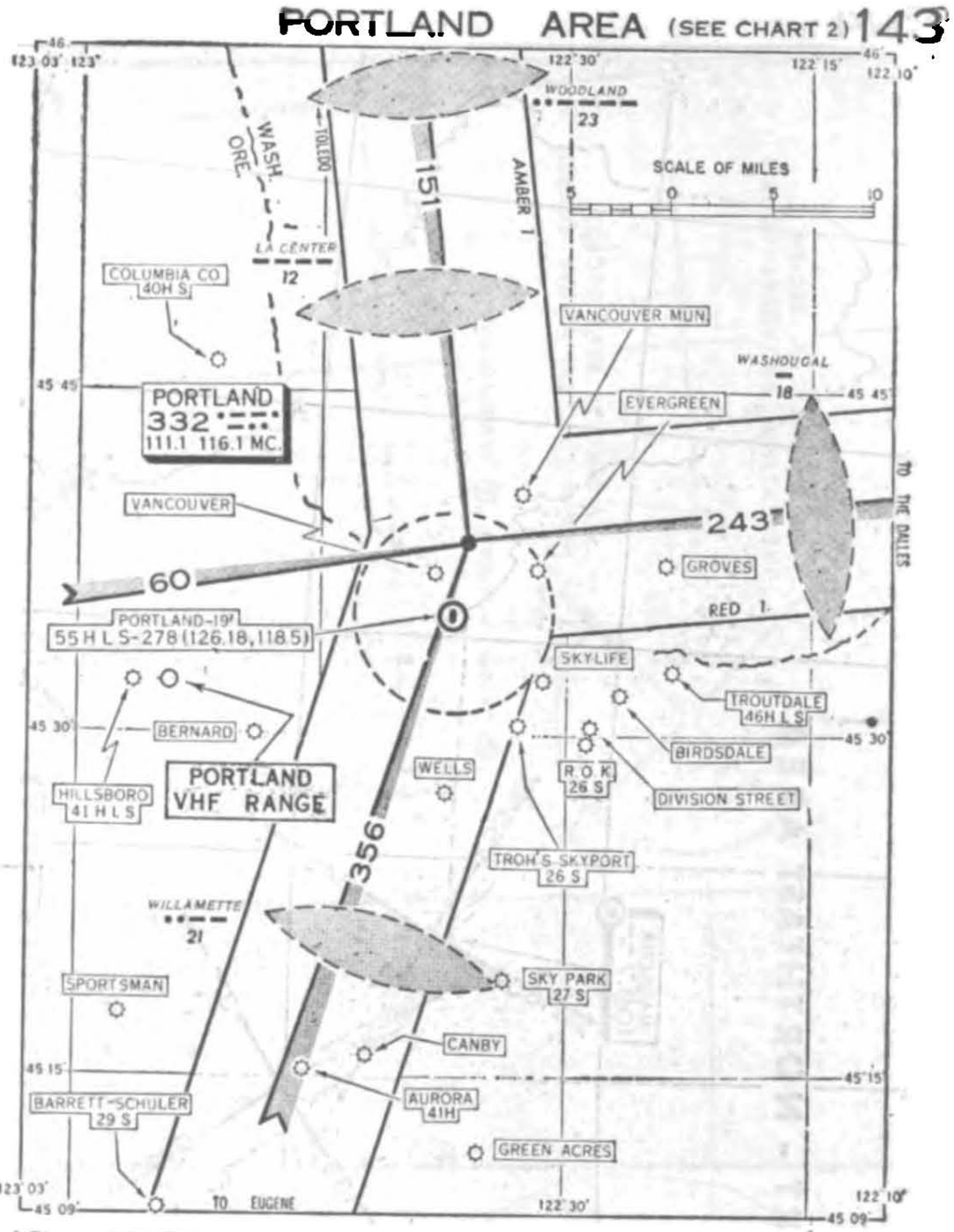
RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

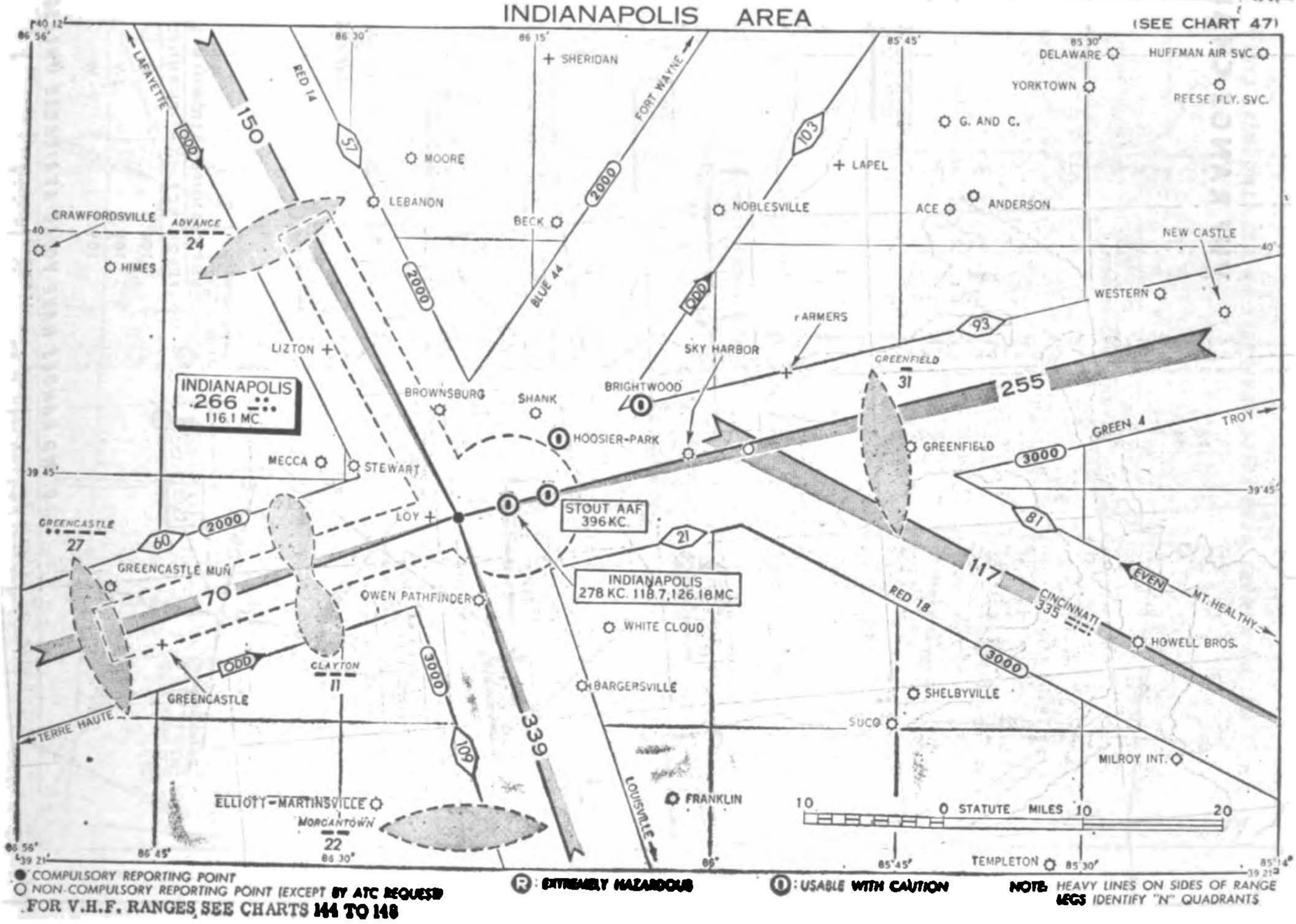
SEATTLE AREA (SEE CHART 2)



PORTLAND AREA (SEE CHART 2)



INDIANAPOLIS AREA (SEE CHART 47)



● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

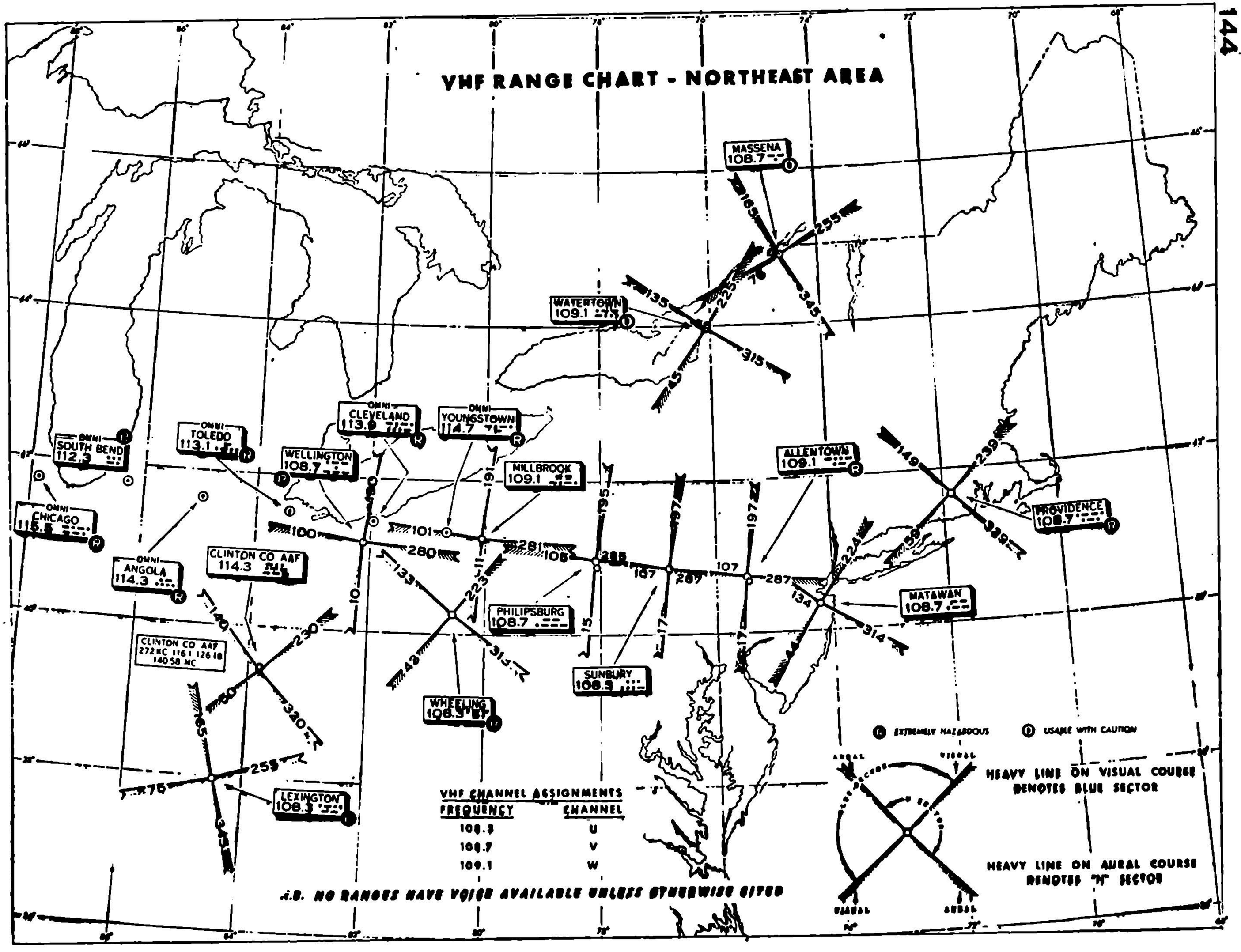
Ⓡ : EXTREMELY HAZARDOUS

Ⓓ : USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

FOR V.H.F. RANGES, SEE CHARTS 144 TO 148

VHF RANGE CHART - NORTHEAST AREA

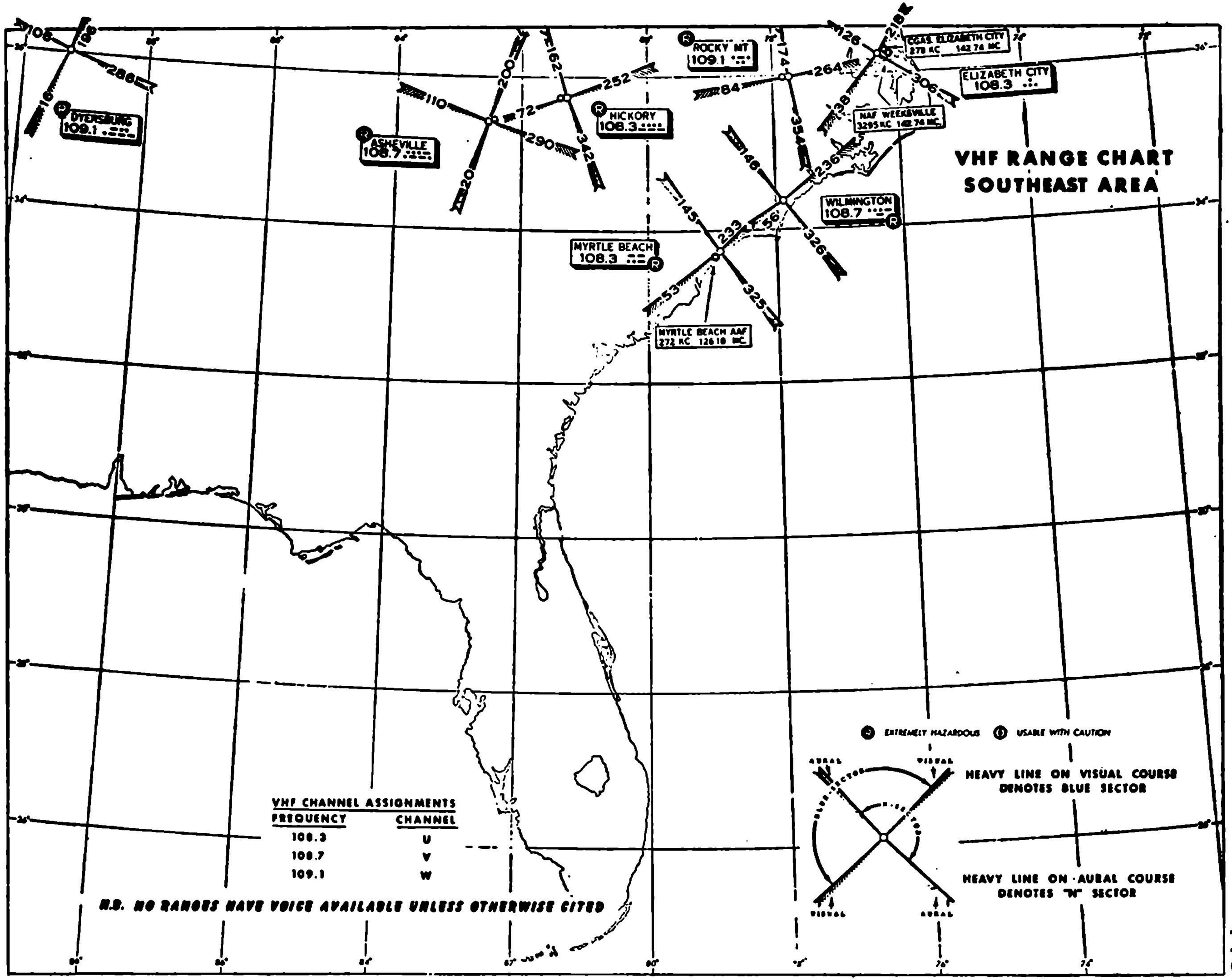


VHF CHANNEL ASSIGNMENTS

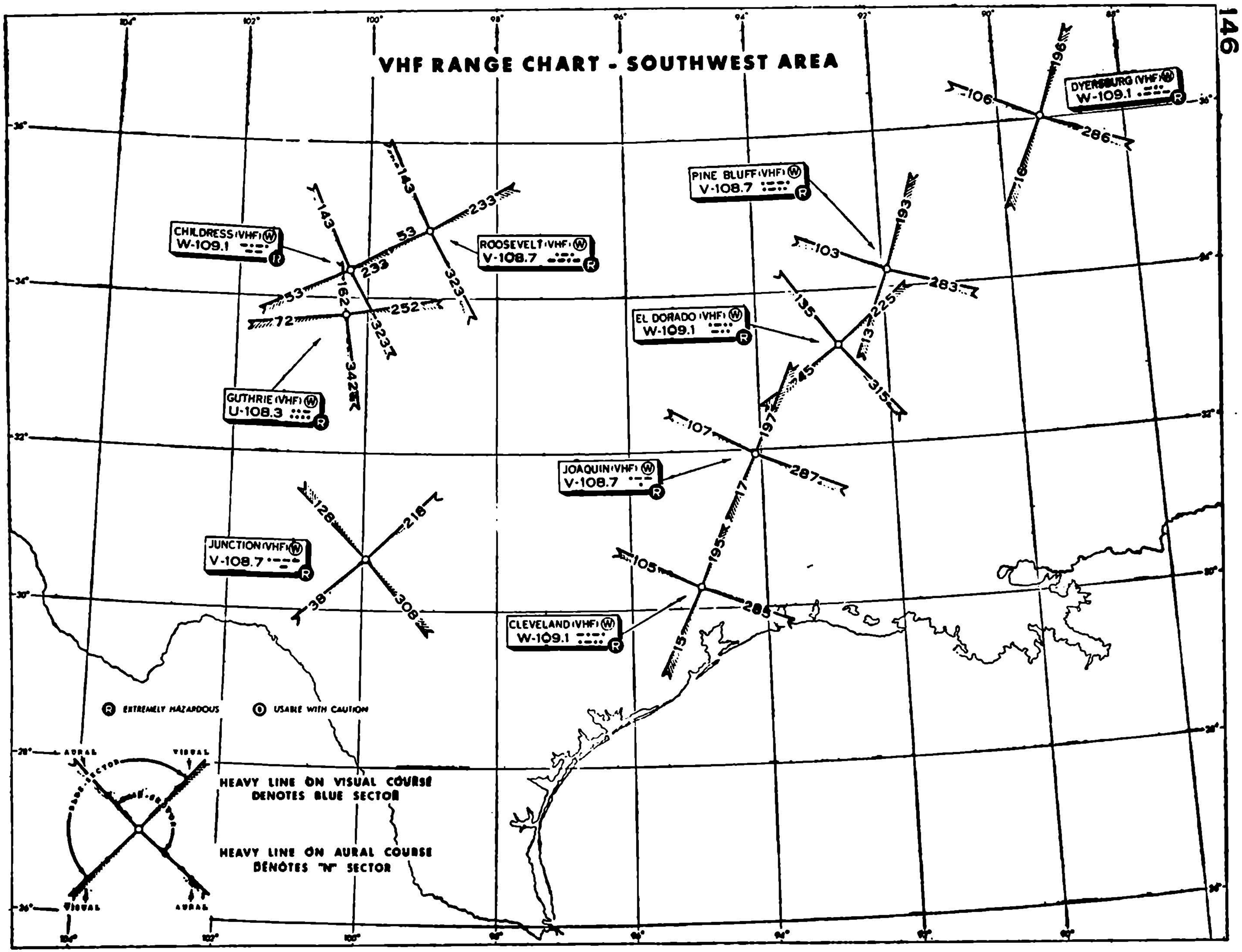
FREQUENCY	CHANNEL
108.3	U
108.7	V
109.1	W

N.B. NO RANGES HAVE VOICE AVAILABLE UNLESS OTHERWISE CITED

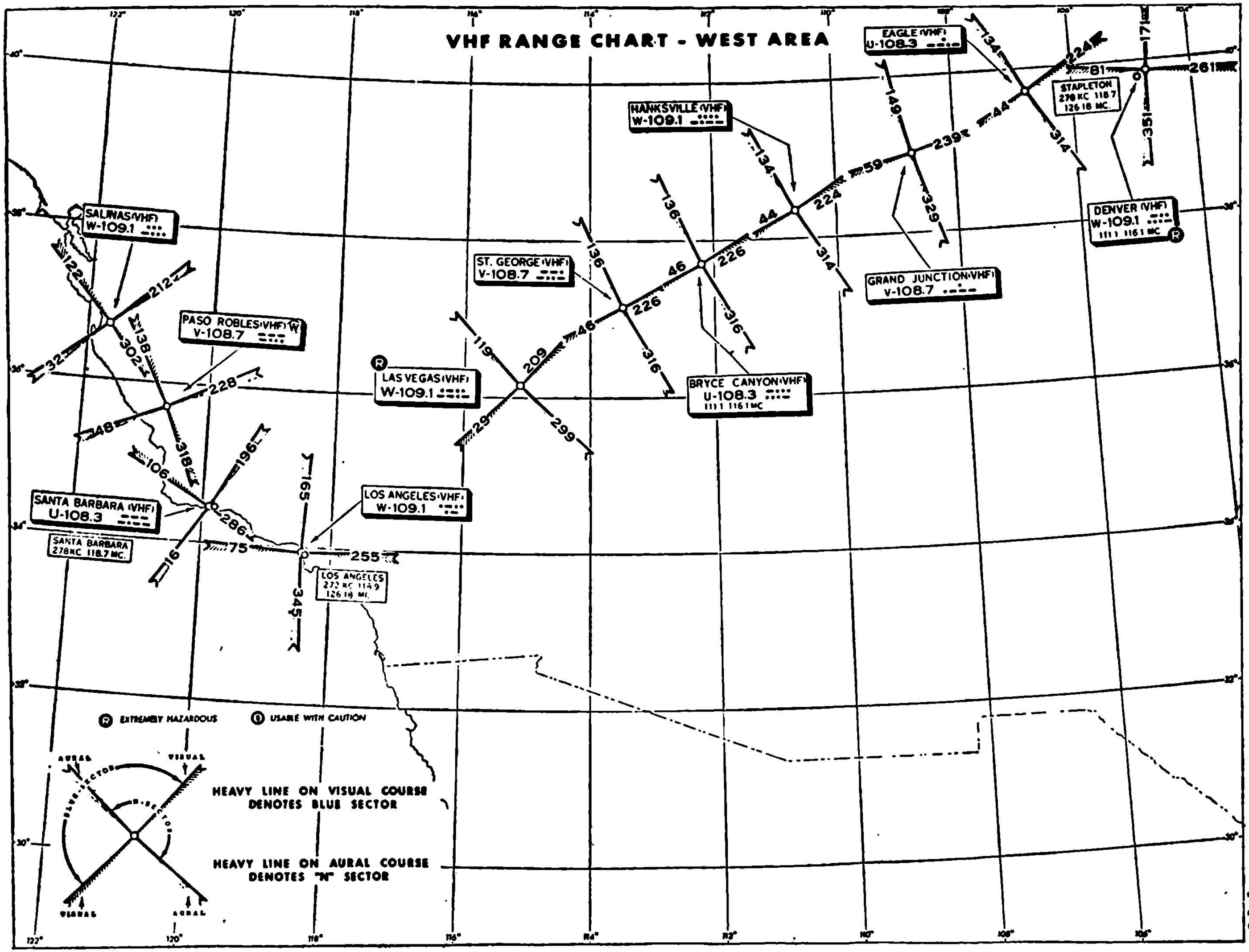
VHF RANGE CHART
SOUTHEAST AREA



VHF RANGE CHART - SOUTHWEST AREA



VHF RANGE CHART - WEST AREA



VHF RANGE CHART - NORTHWEST AREA

OMNI PORTLAND 117.9 R

OMNI GREAT FALLS 115.1 R

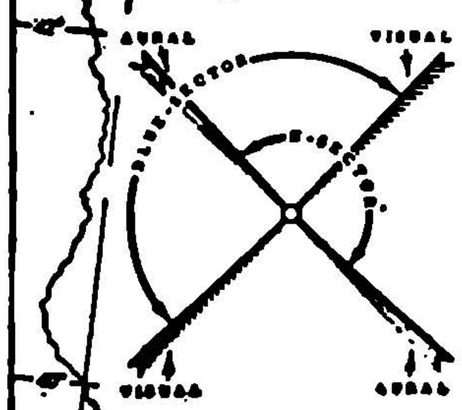
OMNI DILLON 112.9 R

OMNI EUGENE 112.9 R

OMNI POCATELLO 114.9 R

R EXTREMELY HAZARDOUS

O USABLE WITH CAUTION



HEAVY LINE ON VISUAL COURSE DENOTES BLUE SECTOR

HEAVY LINE ON AURAL COURSE DENOTES "N" SECTOR

N.B. NO RANGES HAVE VOICE AVAILABLE UNLESS OTHERWISE CITED

AIRWAY MILEAGES

ALBANY - BOSTON	147
ALBANY - MONTREAL	195
ALBANY - NEW YORK	146
ALBUQUERQUE - AMARILLO	278
ALBUQUERQUE - DENVER	408
ALBUQUERQUE - WINSLOW	234
AMARILLO - OKLAHOMA CITY	232
AMARILLO - WICHITA	300
ATLANTA - MOBILE	299
ATLANTA - SHREVEPORT	579
ATLANTA - WASHINGTON	577
BIG SPRING - FORT WORTH	253
BIG SPRING - EL PASO	282
BILLINGS - HELENA	195
BIRMINGHAM - ATLANTA	141
BIRMINGHAM - MEMPHIS	268
BISMARCK - BILLINGS	384
BOSTON - BANGOR	210
BOSTON - BUFFALO	403
BOSTON - BURLINGTON	192
BOSTON - MONTREAL	265
BOSTON - PORTLAND	95
BROWNSVILLE - SAN ANTONIO	273
BUFFALO - CHICAGO	506
BUFFALO - DETROIT	249
CHARLESTON - CINCINNATI	152
CHARLESTON - RICHMOND	362
CHARLESTON - ST. LOUIS	475
CHARLESTON - WASHINGTON	461
CHICAGO - CINCINNATI	279
CHICAGO - DES MOINES	318
CHICAGO - MINNEAPOLIS	370
CHICAGO - ST. LOUIS	257
CLEVELAND - CHICAGO	320
CLEVELAND - DETROIT	107
DENVER - ALBUQUERQUE	408
DENVER - AMARILLO	378
DENVER - OMAHA	486
DENVER - SALT LAKE	469
DENVER - SHERIDAN	400
DES MOINES - DENVER	604
DETROIT - CHICAGO	257
EL PASO - ALBUQUERQUE	251
EL PASO - PHOENIX	383
EL PASO - SAN DIEGO	666
FARGO - BISMARCK	187
FORT WORTH - EL PASO	535
FORT WORTH - OKLAHOMA CITY	181
FORT WORTH - MONROE	310
GREAT FALLS - BILLINGS	202
GREAT FALLS - SALT LAKE	488
GREAT FALLS - SPOKANE	299
GREENSBORO - ATLANTA	307
HELENA - SPOKANE	269
HOUSTON - ALICE	222
HOUSTON - CORPUS CHRISTI	184
HOUSTON - DALLAS	267
HOUSTON - FORT WORTH	274
HOUSTON - SAN ANTONIO	238
INDIANAPOLIS - ST. LOUIS	222
JACKSONVILLE - ATLANTA	275
JACKSONVILLE - CHARLESTON	208
JACKSONVILLE - NEW ORLEANS	529
KANSAS CITY - CHICAGO	413
KANSAS CITY - DENVER	568
KANSAS CITY - HURON	416
KANSAS CITY - MINNEAPOLIS	471
KANSAS CITY - ST. LOUIS	205
KEY WEST - MIAMI	157
KNOXVILLE - NASHVILLE	154
LAS VEGAS - SALT LAKE	370
LOS ANGELES - LAS VEGAS	277
LOS ANGELES - SALT LAKE	647
LOS ANGELES - SAN FRANCISCO	362
MEMPHIS - FORT WORTH	468
MEMPHIS - NEW ORLEANS	349
MEMPHIS - ST. LOUIS	261
MEMPHIS - TULSA	362
MIAMI - JACKSONVILLE	334
MIAMI - TAMPA	222
MINNEAPOLIS - FARGO	228
NASHVILLE - MEMPHIS	205
NEW ORLEANS - HOUSTON	313
NEW YORK - BUFFALO	291
NEW YORK - BOSTON	193
NEW YORK - CLEVELAND	433
NEW YORK - PITTSBURGH	335
NEW YORK - ROCHESTER	277
NEW YORK - SYRACUSE	193
NEW YORK - WASHINGTON	228
OKLAHOMA CITY - WICHITA	158
PENDLETON - SALT LAKE	495
PHILADELPHIA - PITTSBURGH	258
PHOENIX - LOS ANGELES	369
PITTSBURGH - CLEVELAND	124
PITTSBURGH - INDIANAPOLIS	353
PITTSBURGH - NEW YORK	361
PORTLAND - BANGOR	115
PORTLAND - PENDLETON	185
PORTLAND - THE DALLES	73
PORTLAND - SEATTLE	131
RICHMOND - WASHINGTON	98
ROANOKE - KNOXVILLE	244
SACRAMENTO - SAN FRANCISCO	76
ST. LOUIS - CHICAGO	257
ST. LOUIS - KANSAS CITY	205
ST. LOUIS - MEMPHIS	261
SALT LAKE - BUTTE	379
SALT LAKE - GREAT FALLS	488
SALT LAKE - SACRAMENTO	549
SAN ANTONIO - CORPUS CHRISTI	168
SAN ANTONIO - BIG SPRING	267
SAN ANTONIO - DALLAS	251
SAN ANTONIO - FORT WORTH	258
SAN DIEGO - LOS ANGELES	106
SAN FRANCISCO - PORTLAND	574
SAN FRANCISCO - SALT LAKE	625
SAN FRANCISCO - SEATTLE	705
SEATTLE - SPOKANE	245
SHERIDAN - GREAT FALLS	307
SPOKANE - PENDLETON	161
SPOKANE - SEATTLE	245
TALLAHASSEE - BIRMINGHAM	297
TALLAHASSEE - NEW ORLEANS	363
TAMPA - TALLAHASSEE	225
TULSA - ALBUQUERQUE	629
WASHINGTON - CHARLESTON	267
WASHINGTON - GREENSBORO	271
WASHINGTON - NEW YORK	226
WASHINGTON - PITTSBURGH	190
WASHINGTON - ROANOKE	196
WICHITA - KANSAS CITY	176
WINSLOW - LOS ANGELES	502

N.B. The attempt to superimpose VHF ranges cartographically upon the low frequency system practically nullified the Guide charts for either VHF or LF navigation.

It was decided, therefore, to give the VHF ranges separate coverage. With the Guide's stringent page limitations, separate VHF range charts necessitated the elimination of the Civil Airways and Mileage Charts. Specific flight advisory and traffic control area boundaries and specific fix mileages, however, may still be found on the indificual Guide Charts.

It is hoped that the mileages tabulated above facilitate flight planning because the addition of small sector mileages is no longer necessary.

NOTICES TO AIRMEN

SPECIAL NOTICES

ARMY DATA: Advice covering Army fields or Army operations on civil fields, or Army radio facilities, and also Air National Guard fields and facilities should be forwarded to Commanding General, Air Transport Command, ATTN: Flight Operations Division, A-3. Requests for approval of the closing of Army airfields or restrictions in airfield facilities to transient military aircraft for over 10 days should be forwarded to the same address for submittal to Headquarters Army Air Forces, as required. Restrictions in Air National Guard Fields or facilities will be forwarded to the National Guard Bureau through the State Adjutant General for approval. That Bureau will forward approved restrictions to the above address for publishing. Information to be published will be coordinated and submitted to the Civil Aeronautics Administration.

NAVY DATA: In accordance with Hydrographic Office Memorandum for Aviators No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air/gnd communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25, D.C. for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter No. 96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

CIVIL DATA: The Airman's Guide covers primarily two broad fields of civil airport information, namely so-called permanent data changes and temporary hazardous conditions. Permanent airport data refer to new airports or changes in field layout, servicing, lighting, or permanent obstructions of existing airports. Temporary hazardous conditions refer to conditions that make such airports temporarily unusable or usable only with caution. Such hazardous conditions could be, for example, a field closed because of floods, spring thaws, or construction; or merely a burned-out obstruction light or a runway partially unusable because of construction. Obviously, temporary hazardous conditions should be reported to the aeronautical public at once. The necessity for reporting additional aids or minor changes in existing aids, however, isn't nearly as cogent In other words, a temporarily closed airport is ordinarily of much more importance from a safety angle than is a new airport, and the aeronautical public should be told about it as expeditiously as possible.

Notamizing of advice covering a field unusable because of flood, or snow, a runway closed because of construction, or the erection of a pole-line in an approach, doesn't necessitate an engineering background on the part of the reporter. Too, safety frequently necessitates the notamizing of such advice before an official check can be made On the other hand, advice covering permanent airport data changes, such as a new airport, or a lengthened landing strip, or an additional hangar, obviously doesn't require the same expeditious transmission to the aeronautical public, and the data may be checked from an engineering standpoint and for standardization before being publicized.

SUMMATION: (a) Since the aeronautical public should be immediately advised of hazardous conditions, reporters should utilize the CAA Airways Communications Stations The item to be reported, therefore, should either be telephoned or mailed to the nearest communications station for dissemination as a notam and for further transmission to the publishers of the Airman's Guide.

(b) Permanent airport data changes (as differentiated from temporary hazardous conditions) should be reported to the appropriate CAA District Airport Engineer for coordination before they are included in the Airman's Guide.

USE OF AIRPORTS BY MILITARY AIRCRAFT: (1) AAF REGULATION 85-2: The attention of Army clearance personnel and of Army pilots is invited to the provisions of Section III, AAF Regulation 85-2 and AAF Regulation 85-2A, which state in part: "Except for those Army aircraft assigned to civil contractors or agencies under bailment contract, no Army aircraft will utilize civil airports which have not been leased, purchased, or where AP-4 or similar landing rights agreements have not been negotiated by the Government, except in case of emergency or in case of official business. Each instance of flights in AAF aircraft for official business will be covered by competent air force, major air command, or higher authority orders. Each instance of flights for official business in organic aircraft of the Army Ground Forces will be covered by written orders of the commander of the unit to which the aircraft is assigned. These written orders must designate the field of intended landing. Unauthorized use of such airports is a substantiating factor in claims for damage with accompanying requests to the Government to bear maintenance and repair costs or to provide Government equipment at such civil airports. Notation will be made by clearing authorities in Remarks section of AAF Form 23 that competent authority authorizes ase of such fields and will be transmitted in Remarks Section of the flight plan as 'authorized flight'. All landings by military aircraft without competent written orders on inactive, temporarily inactive Army airfields and civilian airports, except in case of emergency, will be limited to the ones identified by letters "A, N, NG, or P" in the Airman's Guide. It is the responsibility of the various air forces, major air commands and certain field activities under the direct control of the Commanding General, AAF, to prevent unauthorized use of airfields and airports as outlined in this Regulation"

2. "OFFICIAL BUSINESS" within the meaning of AAF Regulation 85-2 is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units, or organizations at or near the airfield selected for landing for the puspose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintaining flying proficiency are not considered to be official business within the meaning of this regulation.

3. POLICY OF ARMY USE OF TEMPORARILY INACTIVE AIRFIELDS: (a) Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein (directory section only) by the following notice: "ARMY TEMP INACTIVE - CIVIL FACS"

(b) Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned. Such airfields will be identified herein (directory section only) by the following notice: "TEMP INACTIVE. NO FACS.". Above policy statement is not to be construed as countermanding any AAF Regulations or letters governing command use of municipal airports or Army airfields.

4. "CLOSED" ARMY AIRFIELDS: Under the provisions of AAF Regulation 60-23, or under specific direction of the CG, AAF, from time to time certain airfields under the jurisdiction in whole or in part of the Army Air Forces will be listed as "CLOSED": Such as, (a) Fields closed to all transient traffic except on official business or in emergency; (b) Fields that have been declared surplus to the AAF and on which permits have not been issued for civil use or which have not been otherwise disposed of by WAA. The listing "CLOSED" will appear in the directory section only. Airfields so designated will be used on official business only under written orders in each case.

CLEARANCE OF AAF AIRCRAFT: National Guard Units are not authorized to clear AAF aircraft. At bases occupied solely by National Guard, clearance for AAF aircraft will be obtained from Flight Service in accordance with provisions of paragraph 2, AAF Regulation 60-22.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA - Morrison Field, Fla., Washington National Airport, D.C., or Westover Field, Mass. ALASKA - McChord Field, Wash., Great Falls AAF, Mont. BERMUDA - Mitchel Field, N.Y., Morrison Field, Fla.,

Washington National Airport, D.C., or Westover Field, Mass., CANADA - Great Falls AAF, Mont., McChord Field, Wash., Washington National Airport, D.C., Selfridge Field, Mich., or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif., Kelly Field, Tex., or Morrison Field, Florida. CARIBBEAN - Morrison Field, Fla., or Kelly Field, Tex. ENGLAND, GREENLAND, ICELAND, NOVA SCOTIA, NEWFOUNDLAND, AND NORTH IRELAND - Washington National Airport, D.C., or Westover Field, Mass. (Note: Selfridge Field also will clear for Nova Scotia and Newfoundland). HAWAII - Fairfield Suisun AAF, Calif.

PILOT PROCEDURES WITH FLIGHT SERVICE USING AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): (1) Departure from AAF Bases: No change. References: AAF Regulations 15-23 and 60-22. (2) Departure from non-AAF Bases: AAF aircraft departing from a non-AAF base will file a complete flight plan with, and when necessary, secure approval from, the nearest Flight Service center prior to take-off, or as outlined in AAF Regulation 60-22. Communications with a Flight Service center may be established by direct telephone or by a radio call to the nearest AAF base or AACS airways radio station. After contacting the Flight Service center, and obtaining flight plan approval when necessary, pilots contemplating flight under IFR will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA communications facilities. However, if CAA communications facilities are not available, the CAA clearance may be obtained through Flight Service. (3) Change of Contact Flight Rule (CFR) Flight Plan Enroute: AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACS airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of IFR Flight Plan, or CFR to IFR, or IFR to CFR Enroute: Any AAF aircraft requiring a change of route, altitude, point of first intended landing, cruising speed, or alternate airport, or change from CFR to IFR, or IFR to CFR, enroute will contact a CAA communications station for CAA Airway Traffic Control clearance and Flight Service approval if necessary. Pilots possessing clearance authority must furnish Flight Service their new flight plan. If communication with a CAA communications station cannot be established, an AACS airways radio station will be contacted for coordination between CAA and Flight Service and to obtain CAA Airway Traffic Control clearance and Flight Service approval when necessary. (5) CFR Position Reports: When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS airway radio stations enroute and receive any necessary advisories from Flight Service. One position report each 30 mmutes is considered adequate. (6) IFR Position Reports: When flying under IFR conditions, pilots will first make position reports to CAA communications stations as heretofore required by Civil Air Regulations, and then to AACS airways radio stations en route, and receive any pertinent Flight Service advisories. (7) Voice Calls: AACS airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio". (8) RON Messages: At bases not connected with Flight Service centers by military interphone, pilots may file RON messages via long distance telephone to the Flight Service center at the time the arrival report is filed. (9) All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency, and service obtainable. An Index of AACS airways stations within the U. S., together with a listing of the assigned frequencies, may be found on pages 100 & 101 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service	
A	116.1 mcs.	CAA AIRWAYS (RANGE STATIONS)	* AACS Airways
B	126.18 mcs.	CONTROL TOWERS	(Plan 62)
C	137.88 mcs.	AACS AIRWAYS (PLAN 62)	* Control Towers
D	140.58 mcs.	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL	

* Available for service indicated on a secondary basis.

(10) It will be some time before all AAF aircraft are equipped for operation on AACS airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt to make position reports to Flight Service as described above. Emergency Flight Service advisories, however, may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS airways frequencies will contact airways station whenever possible rather than AAF control towers. (11) The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA AREA	FLIGHT SERVICE AREA	PHONE NO.
Washington; Pittsburgh; New York; Boston	Olmsted Flight Service Center Middletown, Penna.	Steelton 93387 Steelton 93470
Jacksonville; Miami	MacDill Flight Service Center Tampa, Fla.	Tampa H-4871
Memphis; New Orleans; Atlanta	Maxwell Flight Service Center Montgomery, Ala.	Montgomery LD 89
Cleveland; Cincinnati; Detroit; Chicago; St. Louis	Wright Flight Service Center Dayton, Ohio	Osborn 88691, 88604 Osborn 88692
Ft. Worth; San Antonio; part of El Paso	Ft. Worth Flight Service Center** Fort Worth, Tex.	Fort Worth 77251
Denver; Minneapolis; Kansas City	Lowry Flight Service Center Denver, Colo.	Denver LD 116 LD 117
Los Angeles; Albuquerque; part of El Paso	March Flight Service Center** Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland; Salt Lake	Hamilton Flight Service Center Hamilton Field, Calif.	San Rafael 770 San Rafael LD-20
Great Falls; Seattle	McChord Flight Service Center Tacoma, Washington	Tacoma LD-20 Tacoma LD-21

**REVISION OF ARMY FLIGHT SERVICE CENTER AREAS: The boundary between the March and Fort Worth Flight Service Areas has been moved. That part of the El Paso CAA area lying E of the following points now falls within the Fort Worth Flight Service Area; that part lying W within the March Flight Service Area: From 25 miles SE of the Clarendon Range, thence SSW to lat. 33°, long. 101°38', thence W to 33°-104°, thence S to 31°-104°, thence W to the U.S.-Mexican Border at 31°-105°36'.

IFR CLEARANCE OF ARMY AIRCRAFT: Except as outlined below, no Army aircraft will be cleared for instrument flight unless such aircraft is equipped with a low frequency radio receiver capable of reception in the 200 to 400 kc. band. The BC-1206 (Detrola) receiver is not considered adequate as regards compliance with this directive. Aircraft not so equipped may be permitted to clear under IFR when the instrument type clearance is necessitated by reduced local visibility caused by fog, smoke, or haze, or when the flight will not be conducted under conditions which will require navigation by radio.

CLEARANCE OF AAF AIRCRAFT IN NEW YORK CITY AREA: In accordance with AAF Letter 63-9 of April 24, 1947, the following instructions will govern the clearance of AAF aircraft to and from the New York City Area (encompassed by a 25-mile radius from the southern tip of Manhattan).

(A) FLIGHTS INTO THE AREA: AAF aircraft flying into the area may be cleared for any authorized field therein, but will in all cases secure in-flight approval from Flight Service by contacting Mitchel Airways prior to proceeding to the field of destination. AAF Form 23 will indicate a flight plan to the field of destination via Mitchel Fld. Mitchel Airways will secure Flight Service approval of further clearance to other fields in the area under the conditions listed below only. If further clearance is refused, aircraft will land at Mitchel Field or at any other authorized field outside the area.
(1) CFR. When the ceiling is at least 2000' and the visibility is 3 miles or more.
(2) IFR (a) When the visibility is not less than 1 mile and the ceiling is unlimited. (b) When the visibility is not less than 2 miles and the ceiling is not less than 5000'.

(B) FLIGHTS OUT OF THE AREA: AAF aircraft departing from the area from fields other than Mitchel will be cleared subject to the conditions listed above for CFR and IFR clearances.

AAF aircraft engaged in regularly scheduled transport flights under the operational control of the Air Transport Command are exempted from the above restrictions.

SELECTION OF WEATHER ALTERNATES BY ARMY PILOTS: In accordance with policy stated by the CG, AAF April 7, 1947, Army pilots are not to be refused IFR clearances because of selection of other than "A, N, NG, or P" fields as an alternate. The selection of an alternate airport is a planned procedure to be resorted to in case of emergency and any suitable airport, military or civilian, will be accepted for clearance purposes. Concerning this policy, it is pointed out that pilots who do utilize other than "A, N, NG, or P" fields under such circumstances may be called upon to justify their use of same.

V.H.F. CHANNEL ASSIGNMENTS:

Following are Army assignments:

Channel	Frequencies
A	116.1
B	126.18
C	137.88
D	140.58
G	137.70
H	134.10
U	108.3
V	108.7
W	109.1

Following are Navy assignments:

Channel	Frequencies
1	116.1
2	142.56
3	126.18
4	128.70
5	143.28
6	134.64
7	143.64
8	142.02
9	142.74
GUARD	140.58

ARMY DISTRESS, AND SEARCH AND RESCUE PROCEDURE: 1. When an aircraft is in distress and the pilot is unable to establish two-way communication on any frequency, he will transmit as follows: "Mayday. Mayday. Mayday. This is Army 1 2 3 4, this is Army 1 2 3 4, this is Army 1 2 3 4, my approximate position is --, Over." Pilot may follow this emergency transmission with any other information he deems necessary. Although Channel "D" (140.58 mcs) has been designated as the Joint Army-Navy emergency frequency, the pilot in distress will use any or all frequencies at his disposal. Communication coverage on various frequencies will vary depending upon the location of control tower, airways, VHF/DF, and other radio stations. 2. To request escort by Air Rescue Service rescue plane when two-way communication can be established, aircraft in distress will: (a) Contact Flight Service through nearest AACS airways station. (b) Give position report; if position is not known, request QTF (Fix). (c) Give nature of trouble, also estimated time plane can remain aloft. (d) Follow instructions transmitted by Flight Service. (e) Follow instructions of Air Rescue Service aircraft after contact is accomplished. 3. To report sighting of crashed aircraft: (Note: Previously reported and identified crashes are marked with yellow paint). (a) Contact Flight Service through nearest AACS airways station. (b) Give position of crash. (c) Evidence of survivors, type and number of aircraft (if possible). (d) Follow instructions transmitted by Flight Service. (e) Immediately after landing make a complete report for transmission to the nearest Air Rescue Unit; also notify nearest Army Air Forces installation.

SERVICING FOR ARMY AIRCRAFT: Transient Army servicing is usually available at active Army airfields and, when available, is indicated in the remarks column, data section by an "S" designation (as defined under data legend) and octane ratings of gas are shown. At airports designated by a single (A) in the "Airman's Guide" (Joint use with civil interests), Army servicing is available unless remarks column carries "ARMY TEMP INACT-CIVIL FACS." Notation is given in remarks column to servicing available for military aircraft: for example, "91, 100 oct. Army". This may be contract service. As a matter of policy, limited servicing and maintenance will be available to transient military aircraft at Air National Guard Fields (on Form 15). Notation with regard to available facilities will be shown in the remarks column; for example, "91,100 oct. NG". At (P) or civil fields, military servicing or Army contract fuel will not be available; servicing may be secured in emergency only on a Form 15. Army servicing may be procured at Navy fields on a Form 15.

GROUND/AIR EMERGENCY CODE: The attention of all Army base operations personnel and Army pilots is invited to WD pamphlet 11-7, subject "Gnd/Air Emergency Code"

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

OLD PILOT CERTIFICATES MUST BE EXCHANGED: All pilot certificates issued prior to July 1, 1945, expired July 1, 1947. Such certificates may be exchanged for new-type certificates at any time prior to their expiration date.

PERSONAL POSSESSION OF PILOT CERTIFICATE: No person shall pilot a civil aircraft within the U.S. unless he holds a valid pilot certificate with appropriate ratings issued by the Administrator or an appropriate and valid foreign pilot certificate. Such certificate shall be in the personal possession of the pilot at all times while piloting aircraft and shall be presented for examination to any inspector of the Administration or State or local law enforcement officer upon the request of such inspector or enforcement officer.

NOTICE TO ALL FLYING PERSONNEL: Because of the increase in aircraft operations, both civil and military, in recent months, the number of complaints regarding airplane noise nuisance has reached such proportions that the advancement of aviation and development of new airports are in danger of being severely retarded. To reduce the number of such complaints, it is requested that the following practices be put into effect by all fliers: (1) Discontinue all unnecessary low flying. (2) When weather and traffic volume permit, increase altitudes of all traffic patterns that require flight over inhabited areas. (3) Re-route channels of approach and departure to avoid residential and business districts whenever possible. (4) If the airport is located near inhabited areas, reduce power and increase pitch of propellers as quickly as possible during take-off so as to keep engine and propeller noises at a minimum. (5) Keep rpm's set at a minimum required operational setting when low flying over populated areas is necessary

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RADIO TELEPHONE-OPERATION AUTHORIZATION: This is the simple way in which an authorization to operate a radio telephone transmitter in an aircraft is obtained: the applicant appears in any of the Federal Communications Commission field offices, or before any CAA flight examiner of the CAA, who has been designated by the FCC to issue the permits, proves he is a United States citizen, that he has need of such an authorization, and that he understands the few simple rules and regulations. He is given a card granting the authorization then and there. FCC offices are listed under U.S. Government in phone books, and there are some 30 of them throughout the country. Mostly, they are in downtown offices. There are more than 1,000 CAA designated flight examiners. Mostly they are located at airports. The "examination", if it may be so described, consists of a few questions establishing the ability of the applicant to transmit and understand spoken messages in English, and to understand the simple rules governing the use of such equipment. He is also given simple, printed instructions for its use.

V.H.F. IFR FLIGHTS: Until further notice, Air Traffic Control will be exercised on the assumption that aircraft are utilizing intermediate frequency radio ranges. If a pilot desires to conduct IFR flight using VHF ranges over all or a portion of the route, his flight plan should so indicate. Further, flight should not be conducted on civil airways in IFR weather using VHF ranges unless the ATC clearances so authorize. (See pages 144, 145, 146 for VHF range coverage).

NEW PRIVATE FLIER VHF FREQUENCIES: All CAA Communications Stations and Towers are discontinuing receiving watches on 131.7 mcs. and 131.9 mcs. as new equipment becomes available to guard the new private flier frequencies of 122.1 mcs. for

transmission to CAA Communications Stations and 122.5 mcs for transmission to CAA operated towers. Practically all CAA towers now guard 122.8 mcs. but the communications station program is not fully effective yet because of non-receipt of the new receivers. CAA Communications Stations normally reply to itinerant aircraft on the voice feature of the range, low frequency or VHF, whichever is applicable. Replies are made on 111.1 mcs if VHF reply has been requested on other than range frequency. CAA airport control towers will reply to itinerant aircraft on one of the frequencies 118.3, 118.5, 118.7, or 118.9 mcs. in addition to towers' low frequencies. See individual data pages in the Airman's Guide for inclusion of these frequencies as commissioned.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS: The time of observation for all weather reports is 30 minutes after the hour, unless otherwise announced. Pilots enroute are requested to avoid, if possible, calling airway communications stations at or about 15 and 45 minutes past the hour (which are the scheduled broadcast times) to request weather information, as such calls may delay starting of scheduled broadcasts and cause inconvenience to other persons who are dependent on the broadcasts for weather reports.

RADIOTELEPHONE COMMUNICATIONS: The word ROGER in radiotelephone communications means "I have received all of your last transmission", and its use in any other sense by CAA stations and towers is not authorized. In order to avoid confusion it is suggested that pilots engaging in air-ground contacts also limit the use of ROGER to acknowledgment of transmissions.

INSTRUMENT FLIGHT, NEW YORK METROPOLITAN AREA: Revised arrival, departure, holding instrument approach and control procedures utilizing new radio aids were placed in effect in New York Metropolitan Area. Non air carrier pilots proposing instrument flight through this area or to or from Newark, Mitchel, or La Guardia Fields should write the Chief Controller, New York Air Traffic Control Center, Box 575, La Guardia Field, New York, for copies of applicable Operations Letters describing these procedures.

✓ NON-COMPULSORY REPORTING POINT: The intersection of the E leg of the Amarillo Radio Range and the NE leg of the Clarendon Radio Range has been designated a non-compulsory reporting point known as "Alan Reed".

CFR FLIGHT PLANS, AND ARRIVAL REPORTS: CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. One hour after E.T.A., if no notice of arrival is received, queries are sent out over C AA communication systems. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. To reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

✓ AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: (a) Correct Milwaukee Sectional Aeronautical Chart, dated Dec. 31, 1946, by showing Muskegon Radio Range transmitting on 263 kcs. instead of 236 kcs.

(b) Correct "TO-08-15-1", dated June 18, 1947, page 106, by showing GCA practices for Mitchel Field as 0900-1130 instead of 0800-1130; page 107, by showing 143.64 mcs under Standard Navy GCA freqs instead of 173.64 mcs.; page 34, by showing weather broadcast at Wendover, Utah, from the radio range only; pages 48 and 49, by showing Tonopah radio range station identification as "RY"; page 110, by showing Special Notice, Standard VHF Crystallization, AAF Aircraft Receivers, Channel H as 134.10 mcs.; by adding under Pilot Procedures with Flight Service using AAF Military Flight Service Communications System, telephone number for Wright Flight Service Center: Osborn 88604; page 26, by showing Aircraft Fuel class for Lockbourne AAB as A-CG.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and light facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with two-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields, and before taxiing and taking off, should be on the alert for and be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest of Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons, indicate suspension of CFR traffic.

AIRPORT AND RADIO NOTICES

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

FOREIGN DATA

SPECIAL NOTICES

✓ FOREIGN ENTRY PROCEDURES, AIRPORTS OF ENTRY, CUSTOMS REPORTS, CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: These procedures and regulations were all incorporated into the Flight Information Manual, Volume 2, No. 1, dated July 1, 1947. Only amendments to the data contained in the Manual will hereafter be carried in the "Airman's Guide".

UNITED KINGDOM MILITARY AIR BASE USAGE: The following United Kingdom military air bases are available to civil air carriers of only U.S. and United Kingdom and to aircraft which were purchased in either the United States or the United Kingdom and are in ferry status: (a) For regular use: Kindley Field, Bermuda; Beane Field, St. Lucia; Coolidge Field, Antigua; and Atkinson Field, British Guiana; (b) For alternate use: Waller Field, Trinidad; Vernam Field, Jamaica; and Carlsen Field, Trinidad. Even though the above fields are open to civil air carriers and ferry status planes it is mandatory that the operators of such aircraft secure approval for use of these military air bases from Headquarters, AAF, Washington, D.C., prior to the departure of each flight or series of flights.

CAUTION ADVISED IN USE OF GUATEMALA-HONDURAS AREA AERONAUTICAL CHART: Flight checks have revealed that elevations indicated on Gulf of Fonseca (710) Aeronautical Chart covering the Guatemala-Honduras-Nicaragua Area, dated December 1946, are as much as 4300 feet too low. This chart base is being thoroughly rechecked and a new chart will be issued as soon as possible.

TRANSMISSION OF INTERNATIONAL NOTAMS: Effective May 10, 1947, the transmission of international notams to Service A circuits by WSY New York was discontinued. Offices desiring receipt of this material should obtain receiving drops on the Service O system.

INTERNATIONAL RADIOTELETYPE CIRCUITS: Effective May 16, 1947, WFM Lagnes, Azores permanently decommissioned. The following radioteletype circuits are established and in operation at CSY Santa Maria; WSY New York; EIP Shannon; FXO Paris; WFH Port Lyautey. Inter-island radioteletype link CSY Santa Maria to WYQY Lagens will be continued until further advised. All above circuits are operating in accordance with ICAO Communications Procedures.

NAVAL COMMUNICATIONS WITH COMMERCIAL AIRCRAFT IN CARIBBEAN AREA: Effective March 24, 1947, and until further notice, San Juan NAS, Trinidad NAS, Guantanamo NAS guard 6515 kcs voice continuously, transmitting and receiving, for communications with commercial aircraft.

LORAN RATE RELOCATED: "Frederick Dahl Loran Rate 1L4" shifted to new operations building June 23, 1947. This change involved new antennas, Transmitter, times, and transmission lines. A Loran System error may develop.

AFRICA-Casablanca, Africa: The following established circuits are now in operation at CNO Casablanca Aeronautical communication station: CSZ Lisbon, FXW Bordeau, FOO Paris, CNC Tangier, CNS Gaercife, CNA Fez, CNV Oujda, CNU Meknes, FOR Oran, FNA Algiers, CNN Taza, CNZ Fort Trinquet, CNY Tindouf, CND Agadir, CNX Marrekech FOK Dakar. Landline teletype to FFAG Algiers and CNPL Port Lyautey. Guards Route C radiotelegraph frequencies 3248, 6563, 8538, and 12776 kcs. Additional air ground guards 333, 336, 6510, 4195 kcs. Radio range and beacon identification "KR", 222 and 403 kcs. respectively. Tower voice VHF 116.1 mcs. and 6440 kcs.

Dakar, Africa: Effective May 15, 1947, Overseas Foreign Aeronautical Communications Station WFG, YOFF Airport, Dakar FWA, will be combined with FOK under call sign FOK. Following CAA circuits will be operated and supervised by French Nationals: A/G 3285, 6563 kcs. cont., 11319 kcs. daylight hours, point-to-point circuits, FOK/WFH Port Lyautey, FOK/ELPA Roberts Field, FOK/ZVJ Recife, FOK/ZNT Accra. Following principal circuits operation and supervision French Nationals: Point-to-point, FOK with following stations, CNB Casablanca, X 08 Natal, FOO Paris, FGS Abidjan, FNA Algiers, FSP Port Etienne, FMW Port Au France, FHK Amsterdam. Yoff Tower, range and beacon operation and supervision French Nationals, frequencies unchanged.

Dakar Weather Broadcast: Effective 0820Z GCT, March 24, 1947, station WFG commenced broadcasting Dakar METAR hourly at 20 minutes past each hour on 3285 kcs., A1 emission.

Port Lyautey Communications: Effective June 11, 1947, circuit operations NHY Port Lyautey to FOK Dakar and CSZ Lisbon were transferred to station CNO Casablanca. Following civil circuit functions remain in operation NHY Port Lyautey: Circuit 207T Port Lyautey-Santa Maria. Circuit 224 Port Lyautey-Roberts Field, Liberia. 24 hour landline teletype operations connecting NHY Port Lyautey and CNO Casablanca facilitates E and W traffic movements via 207T. Port Lyautey maintains continuous civil air ground guards 3285, 6563 kcs, 11319 kcs. from 0700 until 2200 GCT. Additional civil air ground guards 8554, 6543, 6523 kcs. upon request.

BELGIUM-Brussels: ONBU reports as from July 1st, 1947, the Queen Code ICAO document 2560 will be used by all the Belgian Stations.

BERMUDA-Somerset NAS Radio Facility: Somerset, Bermuda NAS transmissions, air ground CW 3285 and 6253 kcs., were discontinued April 3, 1947.

Belize, Honduras-Landing of Private Aircraft in Belize, Honduras: Aircraft intending to land at Belize Airport or on the Belize waterfront should give the Director of Aviation, Belize, Honduras, at least four hours' advance notice of their intended arrival. Flight plans may be filed for transmission to Belize between the hours of 1400Z and 2400Z through MIAMI CAA-operated overseas foreign aeronautical communications station.

Kingston, Jamaica-Montego Bay Airport: Montego Bay Airport is a British-controlled airport now under limited operation by Pan American Airways. It is necessary for all flights departing from Montego Bay for points in the U.S. to file flight plans with the Kingston ATC through the Kingston Communications Station - call letters MRX. Flight plans also must be filed for all flights departing from U.S. for Montego Bay. They may be filed for transmission to Montego Bay through the CAA-operated Overseas Foreign Aeronautical Communications Station at Miami - call letters WBR, or New Orleans - call letters WEK.

Kingston, Jamaica-Palisadoes Airport Facilities: The Palisadoes Airport is a British Government controlled airport. The Government controlled tower transmits on 397 kcs. only, and guards 2870, 3105, 6210 kcs. It is necessary for all itinerant flights coming to Palisadoes to file Flight Plans from point of departure to the Communications Station at Kingston - call letters MRX. This Flight Plan should be marked for Information: Palisadoes Airway Traffic Control. The route frequency of 6515 kcs. A3 emission is guarded at MRX. They have a good signal on this frequency and can be read consistently throughout the day and night in the Caribbean Area. Flight Plans may be filed for transmission to Palisadoes through the CAA-operated Overseas Foreign Aeronautical Communications Station, WBR, Miami.

Trinidad NAS: Effective June 16, 1947, Navy Squadron commenced conducting aerial gunnery from 1300Z to 2000Z daily except Sat. and Sun., until further notice. Surface craft and aircraft remain clear of area 1000N, 6045W, 1030N, 6045W, and 1000N, 6000W, 1030N, 6000W.

CANADA-Moncton, N.B.: Effective July 15, 1947, the following changes apply to air ground services offered by stations CYA Moncton: Moncton CYA will maintain standby watch only on frequencies 6563, 6577, 8538, 11319 kcs. from 1300 to 2000Z daily and on 3248, 3285, 6563, 6577 kcs. from 2000Z to 1300Z daily and will transmit on above frequencies only: (a) when called by aircraft; (b) on request OATC CFMO; (c) on request VOAC Voga.

Montreal, P.Q.-Dorval: Effective July 15, 1947, the following changes apply to air ground services offered by station CYB Dorval: Dorval CYB will maintain continuous watch and transmit on frequencies 3248, 6563, 8538, 12776 kcs only.

CUBA-Rancho Boyeros Airport, Havana, Cuba: Effective May 19, 1947, and until further notice, all aircraft operating into and out of the Rancho Boyeros Airport must file a flight plan prior to entering the area. This applies to both IFR and CFR flights. Form of flight plan as follows: Identification; type, route of flight, time of flight departure, time of minutes, altitude, CFR or IFR indicated by C or N respectively and alternate if necessary. Example: NC60459 DC3 Miami Havana 1230 92/60N KW. For trial period and until further advised all flight plans except Expreso and those presently using PAA communications facilities may be forwarded through WBR addressed to OAHAV at no charge.

GREECE-Hassani Airport, Athens, Radio Call: Effective April 30, 1947, call sign WWJC replaced Army call sign WUCW on all circuits formerly using call signs at this stn.

LABRADOR-Goose Bay: Effective July 15, 1947, the following changes apply to air ground services offered by station VOAV Goose Bay: Goose Bay VOAV will maintain continuous watch and transmit on frequencies 3248, 6563, 8538, 12776 kcs, but with frequencies 3285, 6577, 8554, 11319 kcs(receive and transmit)available on request.

MEXICO-Mexican Entry Fees: At Mexican Airports of Entry, charges include an overtime fee of 30 pesos after 12 noon for Immigration Inspection and a fee based on a full day's wage for each inspector involved for each 3 hours of overtime or fraction thereof after 2 P.M. for a Customs Inspection. Charges may also be made for a Customs guard to watch the plane and for the taxi fare to bring inspectors to the field after 12 noon. In American money total fees may approximate $15 to $20.

NEWFOUNDLAND-Military and Naval Landings: All military and naval aircraft

landing in Newfoundland should use Harmon Field at Stephenville or Naval Operating Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

Gander, Newfoundland: Gander Metar weather broadcast now in operation on 363 and 5410 kcs. simultaneously at hour plus 20 min. and hour plus 50 mins. Reception reports on 5410 kcs. requested.

Torbay Airport, Newfoundland: Torbay Airport open to traffic between the hours of 1030Z and 0230Z. No aircraft will be dispatches to arrive at Torbay between the hours of 0230Z and 1030Z. No traffic facilities will be available between the hours 1930Z and 1030Z. Landing and take off minimums as published in ATLD Amendment No. 16 will not apply. The landing and takeoff minimums will be as follows: Take off, day: 500'1 mi. visibility; take off, night: 500' 1 mi. visibility. Landing, day: 800' 1 mi. visibility; landing, night: 1000' 3 mi. visibility.

PACIFIC OCEAN-Weather Station Communications: Effective July 1, 1947, Pacific Ocean Weather Station FOX discontinued use of 4220 kcs for voice communications with trans-Pacific aircraft and substituted 5165 kcs for this purpose. The following paragraphs of SOP-1-A should be changed in accordance with the above: Section IV: 4 (a); 4 (b); 5 (a)(5); 5 (b); 5 (c) (1); 7 (a).

PUERTO RICO-San Juan Pre-Flight Clearances: San Juan Civil Air Terminal (U.S. Naval Air Station), Isla Grande Airport, San Juan, P.R. - All civil operations at San Juan Air Terminal were assumed by the Puerto Rico Transportation Authority effective March 4, 1947. Authority must be obrained for landings at this airport prior to the commencement of any flight. Address requests to Airports Division, Box 3508, San Juan, P.R. Cable address is "Autoritan".

San Juan-Seadrome Landing Lights: Effective June 9, 1947, the seadrome landing lights were discontinued and the landing light buoys were removed from the bay of San Juan at the Naval Air Station, San Juan.

San Juan NAS: Effective June 21, 1947 , repairs to runway were completed. Runway was restored to normal length of 5330'.

San Juan-Caguas: Radio antenna tower under construction unlighted until further notice, height 150', located 1-1/4 miles N of Caguas at latitude 18-15-20 N, longitude 66-1-53 W.

San Juan-Losey Field: May 1, 1947, Puerto Rico Transportation Authority took over the operation of Losey Field at Ponce. Operations at this field are restricted except in emergency to the southernmost 150' of the E/W runway - several bad holes on the northern half. NW/SE runway closed. Field available to daylight CFR operations only. (4-25).

DOMESTIC DATA

[redacted]: ALA-TENN-GA ARPT (BRIDGEPORT)-Ctn in wet weather. (5-22)
ALBERTVILLE ARPT-SW side of strip soft,rough & washing.Soft in spots in wet weather. (4-29)
ALLENPORT ARPT (MONTGOMERY)-Muddy after rains. Use with ctn. (5-22)
ATHENS ARPT-Ctn in wet weather. (5-22)
ANDALUSIA ARPT-Bare in spots. Ctn in wet weather. (5-22)
ANNISTON ARPT-Ends of strips soft in wet weather. (4-29)
ATMORE FLYING SERVICE-Soft in wet weather. (5-22)
ATMORE INT, SITE 16, NO-AG-Emerg. use only. (5-22)
BARIN NAAS EAST & WEST FLDS (FOLEY)-Closed to trans acft. (5-6)
BATES FLD (MOBILE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-15)
BEAVER DAM FLD (DECATUR)-Soft after rainy weather. (5-22)
BIRMINGHAM ARPT-Closed to civil acft not equipped with operating rcvr. Landing on sod areas approved by twr in dry weather, unsafe in wet weather. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. Tetrahedron wind indicator lctd E end E/W rnwy to be discont. soon. (7-1)
BOYKIN FLD (DEMOPOLIS)-Cattle on fld. (5-22)
BREWTON ARPT, new-Cattle on fld. (5-22)
BROOKLEY FLD (MOBILE)-RADIO: Effective Apr 26, oper of AACS operated HF/DF stn temp suspended until further notice. (4-24). FLD: Soft-use rnwys,taxi strips only. (4023)
ALABAMA CENTRAL PARK ARPT (BIRMINGHAM)-Avail.lgt acft.in all weather.(5-22)
CENTRE ARPT-NNW/SSE strip closed. N side E/W strip rough in wet weather. Avail. lgt acft only. (4-29)
CHASTAIN'S ARPT (PRICHARD)-Soft after rains. Shallow dip near center of E/W strip. (5-22)
CRAIG FLD (SELMA)-RADIO: Army DF stn inop. (12-20) FLD: Bndry lgts inop.(5-29)
CULLMAN ARPT-Soft in wet weather. (5-22)
DAVENPORT ARPT (FT. PAYNE)-Muddy in wet weather. S end rough. (5-22)
EUTAW ARPT-Use NW/SE strip only. (4-17)
FAYETTE ARPT-Avail. lgt acft only during wet weather.Trees and fone line at W end. (5-22)
FLINT CREEK ARPT (DECATUR)-Soft after rainy weather. (5-22)
GAINESVILLE INT, SITE 55, FV-AG-Emerg. use only. (5-22)
GOODYEAR FLD (GADSDEN)-Soft in wet weather. Safe for lgt acft-land with ctn.(5-22)
GRAGG FLD, SITE 27, PS-TM (CLANTON)-Ctn in wet weather. (5-22)
GREENVILLE ARPT, SITE 24,NO-AG-Soft after rains around arpt circle on N/S strip. (5-22)
GUNTER FLD (MONTGOMERY)-Closed to all trans acft. Use Maxwell Field. (5-24)
GUNTERSVILLE DAM ARPT-Soft spots at ends. (5-22)
HARTSELLE ARPT-Use W side fld. Avoid E side. E half of strip has small depressions extending from S end for approx 600' toward the N. Small area at SW portion fld soft after rains. (5-22)
HUNTSVILLE ARPT-Sod strip rough at rnwy crossings. Ngt approaches use ctn-hills NE and S, and E. (4-29)
JACKSON FLD (LIVINGSTON)-Rolling and slightly rough. Soft spots along N side at SW end. (5-22)
LEGION FLD (MONROEVILLE)-Do not confuse golf course fairways with landing stripe. (5-22)
LUVERNE ARPT-Ctn in wet weather. (5-22)
MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi. S looks like arpt and lgts give impression of parallel rnwys. (10-17)
McKEE FLD (JACKSON)-Soft after rains. Not licensed. Use at own risk. (5-22)
MOTON FLD (TUSKEGEE)-Use with ctn in wet weather. Soft and rutted spots along E side. (5-22)
NAPIER FLD (DOTHAN)-Avail. civil acft in emerg. only. (7-3)
NORMAN BRIDGE ARPT (MONTGOMERY)-Muddy after rains, but not soft. (5-22)
NORTH SAUTY BASE (SCOTTSBORO)-SSE end soft in wet weather. (5-22)
OAK ARPT (FOLEY)-W end E/W, N end N/S stripe soft in wet weather. (5-22)
ONEONTA ARPT-N 800' strip wet,soft and rough. Unserviceable in wet weather.(4-29)
PRYOR FLD (DECATUR)-Rough spots around wind sock, mrkd. (5-22)
ROBERTS FLD (BIRMINGHAM)-S side fld avail. during wet weather. (5-22)
RUSSELL FLD (ALEXANDER CITY)-Washes on S edge near W end E/W strip,mrkd(5-22)
SCOTTSBORO FLYING SERVICE-Soft in extremely wet weather. Rough spots on SE corner. (5-22)
**SOUTHERN AIRMOTIVE ARPT (DOTHAN)-ABANDONED. (5-24). See page 130.
STROTHER FLD (GASTONBURG)-PRIVATE. Cattle on fld. (5-22)
TALLADEGA ARPT-N 700' N/S strip soft in wet weather. (5-22)
VALLEY AIR SERVICE (LANETT)-Soft after rains. (5-22)
VAN DE GRAAFF ARPT, SITE 59, FV-AG (TUSCALOOSA)-Heavy acft avoid extreme NW and SW corners of fld after heavy rains. (5-3)
WALKER CO. ARPT (JASPER)-Land inside of bndry mrkrs. Avoid new landing strip now being graded. (5-22)
WEEDON FLD (EUFAULA)-Trees in W approach. (5-22)
WINFIELD ARPT-In wet weather avoid S end N/S strip-soft. (5-22)
WOOD-DEARING ARPT (RUSSELLVILLE)-Muddy in wet weather; safe for lgt acft; but land with ctn. (5-22)
ARIZONA ASHFORK INT, SITE 36A, LA-AQ-Center 100' of stripe rough, rocky, bal fld hazardous-grass, hills. (3-4)
DAVIS MONTHAN FLD (TUCSON)-E fld closed-acft parked on rnwys. Blinding ceilometer W end fld between ends of NW/SE, E/W rnwys. (6-17)
DEEP LAKE INT, SITE 54A, LA-AQ-Avail. emerg. use only-soft. (3-4)

[redacted]: DOWN TOWN ARPT (TUCSON)-Rnwy 30 lgtd ngts for 2 weeks per month from 1900 to 2300 for pilot training. Only obst lgts are those in line with lgtd rnwy. All ngt training flights will operate S of arpt. (5-27)
**FRAM ARPT (GLENDALE)-Formerly carried as Gram Arpt (Glendale). (1-9). See page 102
HOLBROOK INT, SITE 51B, LA-AQ-Equip. on fld daylgt hrs. (5-10)
KINGMAN AAF-Closed to all flying. No obst lgts atop Hualpai Mtn. 8500' MSL, 11 mi. S.(7-3)
LAGUNA LANDING STRIP-Equip. on fld. Only N/S rnwy avail. (6-20)
LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. No ngt opers. (3-13)
LUKE FLD (PHOENIX)-Traffic direction indicator on 2nd hangar from N inop. Traffic direction indicator S end N/S rnwy free-swinging. (1-7)
NOGALES INTERNATIONAL ARPT-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld avail. cross wind landings. (5-5)
PHOENIX-Inst train. on Phoenix Range between 5500 and 9500'
RYAN FLD (TUCSON)-Suitable for landing by all lgt acft up to and including Twin Engine Cessna, AT6, etc. Heavy acft use rnwys in wet weather. (4-28)
SKY HARBOR ARPT (PHOENIX)-Local ngt flying acft must be equipped with 2-way rdo. Equip. near Rnwy 12. Installation of ILS in progress off end of Rnwys 26 & 8. (5-25)
TEMPLE BAR ARPT-Unsafe (soft). (6-25)
THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft)
TUCSON-RADIO: Following repairs, courses gnd-checked only. (6-26)
TUCSON ARPT-Soon fld will not be lgtd. Acft desiring to use fld after dark shall give 2 hrs advance notice in order that lgts may be turned on. (5-8)
WILLIAMS FLD (CHANDLER)-RADIO: Army range unreliable and to be used for training only. (6-3) FLD: Use rnwys only.
WINSLOW-RADIO: Soon, VARW fac will be comm at lat 35-03-29, long. 110-47-46. Freq. 108.7 mcs. Ident. "WO". Visual courses: 21°, 201°; aural courses: 111°, 291° Voice fac will be added at a later date. This corrects Airgi, Vol. 2, No. 4. (5-24)
WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed (flood damage) Equip. on fld days. (5-27)
YUMA COUNTY ARPT-Parking rstd to W side fld. (5-28)
[redacted]: BIGGERS ARPT-Use strips only - cattle on fld. (4-25)
BLYTHEVILLE-RADIO: About July 15, rng courses will be realigned to: 45°,119°,225°,299° (7-1)
EL DORADO-RADIO: Ctn - VHF rng unmonitored. (4-10)
EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg only. (1-10)
ERWIN FLD (NEWPORT)-Use rnwys only-cattle on fld. (4-25)
FORT SMITH ARPT-Taxi strips connecting E/W rnwy with Admin Bldg closed to all acft of 5000 lbs or more. W end NE/SW rnwy fron intrm W closed, mrkd. Bndry lgts this area inop. (4-6)
GRIDER FLD (PINE BLUFF)-Closed ngts. (3-11)
HOPE ARPT-Use rnwys only. (4-9)
HOT SPRINGS MEMORIAL FLD-Use ctn when landing and taking off. Soft sod in wet weather (5-15)
JONESBORO ARPT-Use rnwys, taxi strips only. (1-10)
LEVEE FLD (WEST MEMPHIS)-Ctn when wet. (9-23)
LITTLE ROCK-RADIO: Stn gds 3117.5 kcs. 2200 to 0600.
LUXORA INT, SITE 39, NO-LS-30' unlgtd p-line being erected S end N/S rnwy. (9-27)
MANILA ARPT (BLYTHEVILLE)-Use SW quarter of fld only. (4-25)
McGEHEE ARPT-Cattle on fld intermittently. (9-6)
MILLTOWN ARPT (NEWPORT)-Use rnwys only-cattle on fld. (4-25)
**NORMAN FLD (OLA)-ABANDONED. (7-2). See page 88.
PINE BLUFF-RADIO: Ctn - VHF rng unmonitored. (4-10)
PRAIRIEVILLE ARPT (STUTTGART)-Ctn on taxiways.
THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only, fld soft and rough. (3-17)
WALCOTT FLD NO. 3 (WALNUT RIDGE)-Use rnwys only-cattle on fld. Soft-heavy acft use ctn. (4-25)
WALNUT RIDGE ARPT-Acft parked all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0800. NE/SW rnwy closed. (3-17)
CALIFORNIA: ALAMEDA NAS-Maintain high approach on Rnwys 26L and 21. Heavy acft parked these areas. 175' unlgtd cranes 2000' from NE corner lfd-ctn ngts and during low visibility. Equip. adj to and on rnwys. Fld on positive control. (4-16)
AUBURN-RADIO: Hourly weather reporting and teletype services will be discont soon.(6-21)
BAKERSFIELD-KERN CO. ARPT-Unlgtd 92' pwr line 1/2 mi N of bndry. Tetrahedron will be [redacted]. perm discont soon. (7-3)
BAY MEADOWS ARPT (SAN MATEO)-Const on rnwys and taxiways. Rnwy 31 usable in all weather for acft up to 10,000 lbs. Taxiways should be used with ctn during winter months When taking off on Rnwy 31, make a climbing turn of 45° to the right after crossing 19th Ave., but not lower than 200'. When landing acft turn off rnwy toward nearest taxi strip. No taxiing back on rnwy. (5-19)
BLYTHE AAF-Obst lgts atop control twr inop. (2-28)
BORDERLAND FLD (SAN YSIDRO)-Target drone Unit 36 conducting flights between 0900 and 1600. (1-21)
BRAWLEY ARPT-Holes in extreme NW corner fld. (1-10)
BRESSON ARPK (BLYTHE)-Soft spot W side N/S strip. (5-30)
BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs)
BURBANK-LOCKHEED AIR TERMINAL-Closed to all trans P-80 acft except on special projects for modification that stn. Right traffic Rnwys 7,15; left traffic Rnwys 25,33. Approach lgts Rnwy 7 changed to red. 2-way radio rqrd all acft. Rnwy 13-31 closed (parked acft) (6-23)
CAL AERO ARPT (CHINO)-Use rnwys only-parked acft. (3-24)
CAMARILLO-VENTURA CO. ARPT-Use rnwys, shoulders only. Taxiways and bldg area closed. (4-28)
CANNON FLD (FRESNO)-Will be perm closed soon. (4-3)
CASTLE FLD (MERCED)-No opers office. (3-24)
CATALINA ARPT (AVALON)-Private arpt. Scheduled Airline opers only. Use by acft other than UAL absolutely prohibited. (3-20)
CLEAR LAKE SEAPLANE BASE-Avail. emerg. only. (6-11)
COALINGA ARPT-NW 1500' NW/SE strip rutted. Shoulder adj to inside of strip avail. for taxiing. Left traffic at 500'. (5-20)
COMMERCIAL ARPT (LOMPOC)-Strips unusable. (5-30)
COMPTON CENTRAL ARPT (COMPTON)-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (1-21)
CORCORAN-135' unlgtd twr being const adj Santa Fe RR, downtown Corcoran. Upon completion will be 148' high and lgtd.
COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (2-27)
CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs)
DAGGETT INT, SITE 13, LA-AQ-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. Areas immediately outside bndry lgts utilized for sto. Remain on rnwys unless in vcnty of bldgs N of intersection Rnwys 3, 7. (3-13)
DEATH VALLEY NATIONAL MONUMENT (FURNACE CREEK)-All traffic away from mountain side of strips regardless of wind. (5-31)
DEL MAR ARPT-Right traffic at 800' with prevailing westerly winds. (5-21)
DESERT CENTER INT, SITE 17, LA-PH-E/W strip emerg use only. (3-31)
DONNER SUMMIT-RADIO: About July 15, BMRL fac will be shut down for approx 10 days for const. (7-5). These data rcvd too late for (9) symbol on Chart 19.
EL CAJON ARPT-Right traffic when landing and taking off to the E. (3-26)
EL CENTRO NAS-Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. Tetrahedron lgtd all times. (5-22)
**ESCONDIDO-Large circular caution area has been estab. approx. 9 mi N having a radius of 5 mi centered at lat 33-18-45, long. 117-05-00
★FAIRFIELD-SUISUN AAF-RADIO: Middle mrkr of Army ILS in oper 4500' from NE end NE/SW rnwy. Information re keying not avail. Rdo rng Z mrkr, 24,950' from NE end of NE/SW rnwy right, is used as outer mrkr for ILS. (6-24) , Army rng unreliable, use for homing only. (6-5) . AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: First 1000' Rnwy 25 open to acft days and CFR opers only. (6-5)
FILLMORE ARPT-Private fld. Acft parked adj to strip. Expected to be open to public soon. (3-20)
GILLESPIE ARPT (EL CAJON)-Use E/W rnwy only. Right traffic when landing and taking off to the W. (3-26)
★GRAND CENTRAL ARPT (GLENDALE)-RADIO: Mun twr now transmits on 201 kcs, 118.7 mcs. (6-24) FLD: CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. Closed ngts (lgts inop)(1-28)
HAMILTON FLD (SAN RAFAEL)-RADIO: Oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Exten to Rnwy 12 closed except in emerg. (10-18)
HARMON FLD (HEMET)-Traffic pattern 2200' indicated or 600' above ground. Left traffic when landing or taking off to the NE-right when landing or taking off to the SW. All flying under supervision of arpt manager at all times. (3-19)

[redacted]: HASTER FARM OLF (GARDEN GROVE)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Arpt. (3-26)
HOBERG ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)
HOLTVILLE ARPT-Closed-emerg use only.
HORSE FARM OLF (LOS ALAMITOS)-Closed to all civil acft except in emerg. or by approval of the CO, NAS, Los Alamitos. (4-9)
HUGHES ARPT (CULVER CITY)-Closed to public use except in emerg. (5-2)
HUMBOLDT CO. ARPT (EUREKA)-25' telephone wires NW end NW/SE rnwy, 100' back from end of rnwy. Right traffic pattern. (5-5)
INYOKERN-RADIO: Soon, ident of Navy rng will be changed to "NID".
LINDBERGH FLD (SAN DIEGO)-Right traffic Rnwys 27 and 31, left traffic Rnwys 9 and 13. (6-19)
LIVERMORE OLF-Avail. emerg use only. (10-1)
LIVERMORE SKY RANCH ARPT-Avail. lgt acft only, except in emerg. (2-18)
LOCKHEED AIR TERMINAL-See Burbank.
LONG BEACH ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (3-20) FLD: Ltd maintenance and fuel supply Army acft. (6-9)
LOS ALAMITOS NAS (LONG BEACH)-Closed 1630 to 0800 except in emerg or by prior arrangement. (4-9)
LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl area from 2000 to 2300 daily. (7-26)
LOS ANGELES ARPT-Ctn approach to Rnwy 29-two 25' poles at arpt bndry within this approach zone, unmrkd, unlgtd. Parked acft within approach zone to and parallel with S side Rnwy 29, Unlgtd oil derricks on approach to Rnwy 34. E/W paved strip S side fld avail. taxiing only. All landings, take-offs and taxiing rstd to paved areas. Rnwy 4-22 closed. Unlgtd 40' pole 350' S of twr. (7-2)
LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs advance notice should be given if possible. (7-1)
MACHADO ARPT (SANTA MARIA)-Use strips only. (2-23)
MARCH FLD (RIVERSIDE)-RADIO: Oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 7-25 closed-avail. on twr permission only. (1-8)
MARTINEZ ARPK-Unusable during rainy weather. (5-26)
MATHER FLD (SACRAMENTO)-Use rnwys only-mat unserviceable. (1-29)
McCLELLAN FLD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders, unsurfaced areas unsafe. (4-23)
MERCED MUN. ARPT-Daylgt oper of bcn is to warn local and trans acft of approaching airline acft. Ctc, approach lgts inop. (6-24)
MILE SQUARE FARM OLF (SANTA ANA)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
MODESTO ARPT-Range lgts being installed across rnwy ends. Const and soft spots, mrkd. (3-28)
MOFFETT FLD NAS-LTA-HTA (MOUNTAIN VIEW)-Fld on positive control. Multi-engine acft above JRB class use Rnwys 14L-32R only, except in emerg. N connecting taxiway closed to all traffic. (6-17)
MOJAVE NAS-Closed to all acft except on off. bus. (5-21)
MONACHE MEADOW LANDING STRIP (OLANCHA)-Strip maintenance uncertain - ctn (5-30)
MONTEREY PENINSULA ARPT-Right traffic Rnwys 24, 28; left Rnwys 6, 10. (5-20)
MT. LAGUNA-RADIO: About July 15, freq of MH fac will be changed to 382 kcs. (7-1)
MUROC AAF-RADIO: Army range unreliable and to be used for homing and training purposes only (6-9) FLD: Lctd within a danger area. No facs 1900 to 0700 or Suns Closed to all trans acft except on written permission Commanding General, Air Materiel Command. Acft will not carry trans passengers to this fld. (3-7)
NEEDLES ARPT-Wind cone inop. (6-21)
NEWHALL INT, SITE 3A, LA-SF-No fuel. (5-30)
OAKLAND ARPT-RADIO: Twr equipped to transmit on and guard 121.7 mcs for mobile ground traffic. (7-2) FLD: Rock surface area adj to Rnwy 27R avail. small acft. Adhere to instructions issued by twr. Maintenance facs avail. 0800 to 1800. Closed to acft not equipped with two way rdo except acft may land for repairs or fuel without rdo on permission from arpt supt. Rnwy 6-24 avail. lgt acft only. Taxiway leading from Rnwy 33 to Navy ramp closed. Equip. on E/W taxiways and parking apron sealing expansion joints

[redacted]: Heavy acft use rnwys, taxi strips only. Arpt channel unmrkd day, ngt. (5-13)
O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only, muddy when wet. (5-19)
OXNARD-VENTURA CO. ARPT-Bndry lgts inop. Const, equip. on fld days. Use rnwys, taxiways only. (4-28)
PALM SPRINGS ARPT-Right traffic, all take offs and landings on Rnwys 31,35. Rnwys 13, 17 usual left. (5-17)
PLUMAS CO. ARPT (BECKWOURTH)-Use rnwys, taxi strips only-turf rough. (6-2)
REDWOOD FLD (ARCATA)-RADIO: Effect. June 26, ILS at landing Aids Exper Stn will be inop from 0800 to 1700 Mon thru Fri for approx 4 weeks. Cont. oper at other times and avail. on 30 mins notice IFR during above hrs. (6-26) FLD: Closed to acft without 2-way radio. Use surfaced areas only. (3-25)
SACRAMENTO ARPT-Use rnwys, taxi strips only-shoulders and fld soft. Unsafe small acft-rough. (2-21)
SAN CLEMENTE ISLAND OLF-Closed except in emerg. (6-3)
SAN DIEGO-Night fighter train. being conducted within the following described areas: (a) A sector of a circle with radius of 40 mi centered at lat. 32-54-30, long. 117-07-24 extending clockwise between lat 32-20-00, long. 117-03-20 and lat 33-18-20, long. 117-37-30, excluding those portions which lie within the confines of civil airways and S of the U.S.-Mexico bndry. (b) A sector of a circle with radius of 40 mi centered at lat. 32-54-30, long. 117-07-24 extending clockwise between lat 33-23-30, long. 117-29-30 and lat. 32-50-30, long. 116-26-30, excluding those portions which lie within the confines of civil airways.
SAN DIEGO NAS-Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45° Landing will not be made without passing thru Point Love (black and orange checkered floating pyramid)unless directed by twr. Point Love (black and orange checked floating pyramid) is lctd 1-1/2 mi S of Hotel Del Coronado. Acft crossing air traffic lanes at North Island must be above 1500' Acft will not fly over Coronado or Amphibious Train. Base at an alt of less than 1500' Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (6-3)
SAN FRANCISCO-RADIO: Effect July 1, Overseas Foreign Aeronautical Commuss Stn KSF will perm discont use of voice freq 4220 kcs send-receive and activate in its place voice freq 5165 kcs send-receive. Thereafter pilots radiotelephone service at KSF rdo San Francisco will be maintained on VHF 116.1 mcs and 5165 kcs. Pilots radiotelephone service on 2870 kcs send-receive will continue to be maintained for seaplanes only.
SAN FRANCISCO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-3) About Aug. 1, CAA ILS will be comm serving E/W rnwy with approach from E. Lclzr freq 109.5 mcs with ident "SF"., transmitter lctd 220' from W end of E/W rnwy. Glide path freq. 332.6 mcs, transmitter lctd 550' from E end E/W rnwy and 625' N of rnwy centerline. Outer mrkr will be lctd 6.6 mi from E end of E/W rnwy, keyed 2 dashes per second, inner mrkr will be lctd 4550' from E end of E/W rnwy, keyed with alt. dots and dashes. No bndry mrkr Will oper cont. (5-14). This corrects Airgi, Vol. 2, No. 4. FLD: Avoid rnwy, taxiway shoulders. Turf area closed, unmrkd hazards. Use rnwys, taxiways. Equip. extreme E end Rnwy 10-28. E 2000' Rnwy 10-28 closed for landing acft days only. (6-2)
SAN FRANCISCO CGAS-Seaplane harbor, channel and landing area unmarked day or ngt. Facs avail, but unmrkd. Seaplanes landing can be taken care of either at Coast Guard or PAA. (3-22)
SAN MATEO ARPT-Avail. lgt acft only-const. (2-24)
SAN NICOLAS ISLAND OLF-Use in emerg only (caretaker status-no facs)
★SANTA BARBARA-RADIO: Adtnl VHF voice fac avail. at low freq rng on 121.1 mcs.
SANTA BARBARA ARPT-Equip. on fld. Closed to glider opers. (6-14)
SANTA MONICA ARPT-CLOVER FLD-Avail. trans acft with 2-way rdo. Closed nghts and to all student pilots. (5-6)
SHASTA SKY RANCH ARPT (FALL RIVER MILLS)-Approx 1/3 of the main strip has been gravelled and should be used during the winter months. Medium and large acft avoid during the spring thaw. (5-26)
SHERMAN FLD (WALNUT CREEK)-NW/SE strip closed. Equip. adj to NNE/SSW strip. (5-6)
SHERWOOD FLD (PASO ROBLES)-40' unlgtd wires E end E/W strip. (3-17)
**SKYLARK FLD (FRESNO)-CLOSED (7-2). See page 76.

[redacted]: STOCKTON ARPT-Rnwy 4-22 closed. Taxi lgts inop. No 100 oct. Single ended bdn operating without course lgts. (5-11)
SWEETWATER LANDING STRIP-Arrangements for using this fld made through Operations Officer NAAS Ream Field. No communications at landing strip. (12-5)
TEMPLETON MEADOW FIELD (OLANCHA)-Unusable. (5-30)
TERMINAL ISLAND NAS (SAN PEDRO)-Bcn will be discont soon. (6-28)
TRONA ARPT-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (3-7)
TUNNEL LANDING STRIP (OLANCHA)-Strip maintenance uncertain-ctn. (5-30)
VAN NUYS METROPOLITAN AIRPORT-Available civil acft providing they have official business with one of the acft companies lctd on field. Acft without radio may enter providing previous arrangements have been made with twr. (12-5)
VERNALIS FLD-CLOSED. (1-14)
VICTORVILLE AAF-Use Rnwys 16L-34R, 7R-25L, 3R-21L only. (5-13)
VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (3-25)
WARM SPRINGS ARPT-Heavy acft avoid fld during rainy weather. Glider operations with plane and auto tows. Tall grass and equip. on fld. (3-14)
COLORADO: BUCKLEY FLD (DENVER)-RADIO: 126.18 mc transmitter temp inop (4-7) FLD: No lgts, messing, transportation or lodging facs. (4-5)
CRESS FLD (WESTCLIFFE)-Use rnwys only. (2-19)
DENVER-RADIO: Rcvg facs on 3105, 6210, 4495 kcs, 116.1, 122.1 mcs, voice facs on 379 kcs, 109.1, 111.1, 116.1 mcs and approach control on 379 kcs will be inop for approx 2 days (relctn of stn). VHF rng on 109.1 mcs will be unmonitored. (6-25)
FLAGLER ARPT-Avail. skd-equipped acft after heavy snow. (2-19)
FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy.
**LEADVILLE FLGT STRIP-Lat 39-15,long.106-20 (6-17) Rec'd too late for inclusion in Directory.
LOWRY FLD (DENVER)-Equip. on fld 0800 to 1700, Mon. thru Fri. (4-11)
PINE VALLEY ARPT (COLORADO SPRINGS)-All rnwys avail. between mrkrs only. Use rnwys only. (6-13)
PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 38-17-28; S by lat 38-16-19; W by long 104-18-38; E by long 104-17-40.
PUEBLO ARPT-Rot. beacon atop hangar when lgtd indicates fld closed except to scheduled air-carrier acft. NW/SE rnwy unlgtd. NE end NE/SW runway designated as calm wind rnwy. Tetrahedron modified to automatically choose the calm wind runway when wind velocity below 7 mph. All aircraft land, take-off according to the tetrahedron. (3-24)
RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (1-17)
ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (fone lines)(5-14)
RUSTON FLD (DENVER)-Strips soft during wet weather. NE/SW strip closed (6-6)
RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center - parked acft.
SALIDA ARPT-Landings should ordinarily be made to the W and take-offs to the E (6-13)
SKY RANCH ARPT (DENVER)-Right traffic Runways 26, 30, 36; left traffic Runways 8,12, 18. Traffic controlled by tetrahedroh. Available CFR operations days only. (6-13)
TRINIDAD ARPT-Strips avail. lgt acft. (2-21)
WALKER FLD (GRAND JUNCTION)-Heavy acft use rnwys only. (6-13)
CONNECTICUT: BRAINARD FLD (HARTFORD)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-16) FLD: Equipment on field intermittently. 300' bldg under construction 1-1/2 mi NW field boundary, close to NW leg Hartford Range. Flood lgts N end N/S rnwy inoperative. Eleven street lgt poles erected W side fld, unlgtd. Lgts approximately 12' below top of poles. (6-2)
BRIDGEPORT ARPT-Use rnwys only. Extensive local traffic days. Acft landing without establishing rdo communs with twr must conform to local traffic pattern. Observe tower at all times for light gun signals especially on base leg and final approach. Clear rnwy toward tw tower immediately after landing. All acft without rdo communs with twr should determine proper rnwy and taxi route from twr or opers prior to taxiing. (6-10)
BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans a student pilots. Const N and S ends of fld and on taxiway between fld and shop. (4-21)

[redacted]: DANBURY-SPECIAL NOTICE: Danbury Fair Inc. operating a search lgt at Danbury Speedways every Sat. ngt throughout the summer season. (5-27)
HAMMONASSET FLY ING FIELD (MADISON)-Use NE/SW strip. E/W strip avail. in emerg only (bldgs, hedges on W bndry)(5-6)
HARTFORD-RADIO: Auto. range monitor. sys inop. (9-30)
KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only. (4-21)
NEW HAVEN ARPT-Avail. days only. Use rnwys only. No local take-offs or landings during airline arvls and dptrs when signal man stationed at approach end of rnwy being used, displaying red flag. (4-21)
**PUTNAM INT, 14, LG-BW-ABANDONED. (7-1). See page 56
RENTSCHLER FLD (EAST HARTFORD)-Pile driver moored in Conn. River with obst lgts 130' MSL, 1/2 mi SW fld. (6-2)
SOUTHINGTON ARPT-Right traffic when taking off and landing to the E and the SE. (4-25)
STEPHENSON ARPT (BRISTOL)-S 350' N/S strip being graded. Equip. and rough area mrkd, bal rnwy avail. lgt acft. (4-21)
TRUMBULL FLD (GROTON)-Water twr being const atop hill 1 mi NW. 107' derrick being used during const, unlgtd. (5-19)
WATERBURY AIRPORT (PLYMOUTH)-Muddy with scattered puddles - available with caution. (3-11)
[redacted]: NEW CASTLE CO. ARPT (WILMINGTON)-Use rnwys only Equip. on fld days. (3-14)
[redacted] SPECIAL NOTICE: See item under Alexandria Airport, Va.
SPECIAL NOTICE- The Administrator of Civil Aeronautics has designated the Mount Vernon National Monument a congested area. In accordance with C.A.R. 60.105 all acft will maintain at least 1000' over Mount Vernon, latitude 38-42-40, longitude 77-05-30.
SPECIAL NOTICE-TELEVISION TOWER 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL AIRPORT, LATITUDE 38-53-46, LONGITUDE 77-08-06 (3-22)
ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of two hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd. (7-12)
BOLLING FIELD (WASHINGTON)-Rnwys 10-28, 14-32 closed. Rnwy 17-35 closed to acft when weather minimums below ctc flight minimums Rnwy 2-20 avail. (3-12)
WASHINGTON NATIONAL ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. Following instrument landing minimums have been estab. for all Army traffic except scheduled ATC flights. Day and night: Form 8 white card holder 800' and 1 mile. Form 8A green card holder-500' and 1 mile. Army aircraft landing this airport will not use B channel VHF to ctc twr for landing and take-off instructions. B channel VHF will be used in case of emerg. only. (1-16) FLD: 315' twr Rdo Stn WOOK under const 7 mi NNE (10° true)(4-16) ARMY: Use of this airport by Army acft is prohibited except for: (a) Scheduled ATC traffic (b) Landings and take-offs necessary for overseas flights using customs and immigration clearance facs of aerial port of embarkation. (c) Flights transporing VIP and General Officers above grade of Maj. General, as well as officials in similar or corresponding category of executive branches of Gov't who may be using Army acft Army acft authorized above to use arpt will be manned by fully competent crews who are well versed in air traffic control procedures peculiar to Washington Area Army acft landing this fld should taxi to new ATC Terminal Bldg. NAVY: Closed to Navy acft except NATS. Use Anacostia NAS In special instances, all of which will be cleared by Anacostia Twr, Washington National Airport will be available to Navy planes. GENERAL: Closed to acft without radio. Stay on paved areas-shoulders soft. Equipment on field. Parking area limited - turf soft. At times pilots of private aircraft will be unable to secure parking space. Lighted trailer 500' W of centerline of N/S runway at N end. (2-15)

[redacted]:ALBERT WHITTED ARPT (ST. PETERSBURG)-Use rnwys only-soft shoulders. Stacks 1/4 mi SW. (4-26)
AVIATION CENTER ARPT (LEESBURG)-Use rnwys only-sand soft. (5-22)
BANANA RIVER NAS-RADIO: Navy exper VHF rnwy lclzrs and various types of ILS oper intermittently day, night. Navy exper rdo bcn, 414 kcs, ident. "BR", A-2 and A-3 emission, oper intermittently, day, night. (2-27) FLD: Exper flgts conducted down to weather minimums of 300' ceiling and 1 mi visibility with ATC clearances. Hvy training traffic in both land and seaplane areas, day and ngt week days only. All civil acft warned to stay clear of air space reservation which includes area 20 mi radius from the NAS.(3-12)
BANANA RIVER NAS SEAPLANE BASE-Seaplane landing area avail. W of stn on Banana River. Wind line consisting of five green lgts on lctn in center of area ngts when training is scheduled. Avail. at all other times on one hrs notice. (4-10)
BOCA RATON AAF-Closed to all trans mil acft except on off. bus. or in emerg. Port. floods avail. on 15 minutes notice. Stay on rnwys-shoulders soft. (6-9)
BRONSON FLD NAAS (PENSACOLA)-Inactive-no facs. (4-9)
BUNNELL ARPT-Cattle on fld. (5-19)
CANNON MILLS ARPT (ORLANDO)-N, NE, NW, E use rgt traffic. S,SW,SE,W use left traffic. (5-27)
CECIL NAAS (JACKSONVILLE)-Equip. on fld. (5-19)'
CEDAR KEYS ARPT-Use rnwys only. (5-19)
CHAPMAN FLD (MIAMI)-Closed to trans acft ngts. Observe wind tee for traffic direction. Orange arm to right indicates right traffic. (6-24)
CITY AIR PARK ARPT (PANAMA CITY)-NE/SW strip under const. Not to be used except in extreme high wind (short, wires at NE end). (1-6)
DALE MABRY FLD (TALLAHASSEE)-26' unlgtd bldg 900' NW of NW end NW SE rnwy. Observe twr E side fld for lgt signals. Bcn atop water tank S of fld inop. Unlgtd hangar N side fld. (5-7)
DAYTONA BEACH ARPT-Lgtd tetrahedron S side fld inop. Use lgtd wind tee SE of Admin Bldg. (5-8)
**DELESPINE SITE 19 MM-AG-This fac discont July 2, 1947, lctd 34 mi SE Daytona Beach Arpt at lat 28-29, long. 80-47. (7-2)
DINNER KEY CGAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10)
DREW FLD (TAMPA)-Use rnwys only. Equip. along outer edges of N and S ramps mrkd. Ditch along outer edge of N and S ramps, mrkd. Taxi strip between Rnwy 18-36 and N ramp 2200' from approach end rnwy closed. Avail. to rdo rcvr equipped acft tuned to twr freq. Rnwy 18-36 closed ngts (lgts inop) (7-6)
EGLIN FLD (VALPARISO)-RADIO: Army ILS to be reactivated soon. (6-11) FLD: Acft approaching fld will enter area along right edge of S leg Crestview Rng. (1)-Acft on CFR will fly 3000' or 500' below the ceiling, whichever is lower, until cleared by Eglin Twr. (2)-Acft on IFR will enter at last assigned airways cruising alt and ctc Eglin Twr for let-down instructions. Exten const. (6-11)
ELLYSON NAAS (PENSACOLA)-Inactive-no facs. (4-9)
FORT LAUDERDALE ARPT-Const. Fifty acres being cleared, graded and paved at the E side of fld. Taxiway being const parallel to the NW/SE rnwy. NW/SE rnwy being extended at the SE end. (6-3)
GILBERT FLD (WINTER HAVEN)-Use rnwys only. (4-17)
HILLSBOROUGH ARPT (TAMPA)-E/W rnwy avail. lgt acft only. Sinkhole 100' E of intersection filled with sand. Other rnwys and taxiways usable. (5-19)
**HOMESTEAD-RADIO: CAA rng comm and flgt-checked without voice fac June 24, at lat 25-28-59, long. 80-29-28. Freq. 266 kcs, ident. "DHO". Courses: 34°,87°,214°,267°. These data rcvd too late for inclusion on data page and chart.
HOMESTEAD ARPT-RADIO: CAA portable ILS lclzr equip. installed approx 1000' from E end E/W rnwy. Glide path equip. 400' N and 1000' E of W end E/W rnwy. ILS flgt-checked and will be comm at a later date. (6-24) FLD: Landing fee all acft. (3-12)
**HUTCHINSON'S AVIATION ARPT (PANAMA CITY)-Lctn at lat 30-12-15, long. 85-50-15. See page 130.
IMMOKALEE INT, SITE 13, MM-TM-Use with ctn-soft. (6-25)
JACKSONVILLE ARPT NO. 1-Operating of priv acft between sunset and sunrise rstd to acft equipped with functioning rdo transmitter and rcvr. Between sunrise and sunset such acft shall be equipped with at least functioning rdo rcvr unless exceptions granted by Chief Arpt Traffic Controller. (3-25)
[redacted]:JACKSONVILLE NAS-Trans seaplane acft desiring ngt facs notify Jacksonville NAS 12 hrs in advance. (5-22)
JASPER ARPT-Cattle on fld. (5-19)
KEY WEST NAS-Closed between sunset and 0730 except by prior notification or in emerg. (2-4)
KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (4-10)
LAKE BUTLER OLF-Cattle on rnwys. (5-22)
LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500'. Prevailing wind E to SE. (1-22)
MacDILL FLD (TAMPA)-RADIO: Oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwys 4-22, 13-31,18-36 avail. Rnwy 18-36 closed ngts. GCA equip. 3000' from end Rnwy 22R, lgtd. Rnwy 4R-22L avail. acft under 50,000 lbs.(6-30)
MASTER NAS (MIAMI)-Closed thirty min after sunset until 0700. Extreme ctn-heavy traffic. Northernmost E/W rnwy closed (equip.,parked acft). (1-8)
MAYPORT CGAS-Closed to all traffic except Air Sea Rescue and emerg landings (caretaker status-no facs). (6-29)
MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks 400' E of S end Rnwy 4-22. Obst lgts atop old control twr inop. (6-17)
MIAMI-RADIO: Federal Communication Comm. Fld Unit Direction Finding Aids inop.(being relctd.) (5-5)
MIAMI INTERNATIONAL ARPT-AAF-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-25) FLD: Domestic non-scheduled acft taxi to old Army Terminal Bldg SE side fld upon arvl and prior to dptr and reguster with Ramp Supervisor. Scheduled air-carriers and International Acft requiring immigration and customs service use 36th St. Terminal. Trans International pilots advise twr before landing. Use rnwys only. Equip. on fld intermittently, days. Obst lgts on pole lines adj Seaboard Airline R.R. Shops between N and S flds inop. All acft landing on E/W or N/S rnwys maintain sufficient alt to clear vehicular traffic on 36th St. and LeJeune Rd. No JP-1 fuel. Const in grass area between Terminal and W hangar ramps and E/W rnwy in N fld. Area mrkd and lgtd. (5-26)
MIAMI NAS-Acft remain on N leg Miami Range for distance of 25 mi N of range stn when passing Miami NAS. Stay clear of NW corner fld- fighter train. break-up area. Acft practicing touch and go landings ngts. Closed sunset to 0700. (11-15)
**MORRISON FLD (WEST PALM BEACH)-RADIO: Oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Glide path transmitter of Army ILS being moved to lctn 1100' E of W end E/W rnwy, 400' S of centerline. Middle mrkr ident. being changed to alternate dots and dashes. (3-17) FLD: 205' twr constructed by Rdo Stn WIRK, 3 1/8 mi S, 1/8 mi W at lat 26-38-05, long 80-07-25, lgtd. (6-24) Closed to all trans acft except on off. bus. or in emerg. (7-3)
ORLANDO AVIATION COUNTRY CLUB ARPT-Land to the N, take-off to the S. Pwr line N. (5-19)
ORLANDO AAB-ARPT-About July 1, tetrahedron wind indicator will be discont.(6-18)
PAGE FLD (FT. MYERS)-NW/SE rnwy lgts inop. (5-1)
PENSACOLA ARPT-Ext Navy train. thruout area. Join pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest avail. taxi strip. Opers and svcg lctd brick hangar. (4-29)
PENSACOLA NAS-CHEVALIER FLD-Avail. days only. Ngts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Disposition delivery acft land at NAS Chevalier Fld. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld, bear. 34° NNW. Pilots desiring to land at Chevalier Fld ctc Pensacola Navy twr before entering traffic pattern. (5-22)
PETER O. KNIGHT ARPT (TAMPA)-Sodded areas E of Rnwy 3-21 and S of Rnwy 10-28 rough use ctn when taxiing. Hvy acft use rnwys. Equip. on fld days. (5-20)
PINELLAS CO. INTERNATIONAL ARPT (ST. PETERSBURG)-Lgt acft landing and taking off on sodded area directly S of fld. (6-30)
PUNTA GORDA MUN. ARPT-Usable emerg landings only. (5-29)
ST. AUGUSTINE ARPT-All lighting facs inop. (5-19)
SANFORD MUN ARPT-Bcn, rng, flood,obst and rnwy ctc lgts on req. (5-1) See page 134.
STENGEL FLD (GAINESVILLE)-Cattle on fld. (5-19)

FLORIDA: SUNNY SOUTH ARPT (MIAMI)-Lgtd for student ngt flying. Closed to trans acft. (5-13)
★TALLAHASSEE-RADIO: Auto. rng monitor. sys decomm. (6-23)
TAMIAMI ARPT (MIAMI)-CFR day oper. Landing fee only to acft carrying passengers or cargo for hire. Equip. on fld intermittently days. (3-12)
TAMPA-RADIO: 116.1 mc transmitter temp inop. (6-30)
TAYLOR FLD (OCALA)-Use rnwys only. (1-23)
••TITUSVILLE-SITE 20,MI-AG-ABANDONED. (7-1) See page 134. Bcn will be changed to red.
TITUSVILLE-COCOA ARPT-Use rnwys, taxiways only (soft sand). (5-8)
TROPICAIRE ARPT (MIAMI)-Correct location lat 25-55-15, long 80-13-00.See page 136.
TYNDALL FLD (PANAMA CITY)-RADIO: Army range unreliable. (4-18)
VERO BEACH ARPT-Crash facs not avail. on line. Rnwys 11-29,3L-21R,7L-25R,18-36 closed (repairs). (5-21)
WAKULLA ARPT-CLOSED (soft sand) (5-22)
WHITEHOUSE OLF (JACKSONVILLE)-Closed Sundays, used by model acft. Avail. in emerg only. (4-9)
WHITING FLD NAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" sloping curb at edges all rnwys. Tetrahedron indicates rnwy in use and not wind direction. Ctc twr before entering traffic pattern. (4-14)
GEORGIA: ALBANY ARPT-Use rnwys only. (6-16)
ATLANTA ARPT-Const, equip. on fld intermittently. Use rnwys ngts. Closed to HB and VHB acft, Trans Army acft use Marietta AAF. 25' lgtd bldg near N end N/S rnwy. N portion of N/S rnwy extending down to the E/W rnwy obscured from twr and is closed to all traffic except acft with 2-way rdo in commun with twr. Pilots land at own discretion. (7-5)
ATLANTA NAS-Avail. sunrise to sunset. After sunset open for landings only. No clearance or svcg. (4-16) No fuel temp. (7-7)
★AUGUSTA-RADIO: Auto. rng monitor. sys comm. (6-21)
BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rnwys. Use rnwys only. (7-1)
CALLOWAY ARPT (LA GRANGE)-Heavy acft use rnwys, taxiways only-grass areas soft. All-over landing small acft in dry weather. (4-17)
••CAMILLA ARPT-ABANDONED.(6-25) See page 132.
CAMP STEWART AAF (HINESVILLE)-Cattle on fld. (12-17)
CARROLLTON ARPT-Equip. on fld. (5-12)
CHATHAM AAF (SAVANNAH)-Rot. bcn inop. Exten P-47 NG acft transition training, formation flying and acrobatic 0800 to 1700 all within 35 mi radius. (4-4)
COCHRAN FLD (MACON)-Use rnwys, taxi strips only. (12-5)
••GAINESVILLE ARPT-Contact, approach, and range lgts are high intensity system.(6-23) See page 116.
••GRIFFIN-SPALDING FLD (GRIFFIN)-Formerly carried as Griffin Mun Arpt.(12-22) See page 116.
••HOMERVILLE FLIGHT STRIP-Lat 31-03-00, long 82-46-30. (9-21) See page 132.
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. Approx 1200' of E end of E/W rnwy not visible from twr. Hangar now obstructing view expected to be dismantled by approx Sept 23. Obst lgts atop bldgs in center of N ramp inop. (6-23)
••JASPER ARPT-Lat 34-29-00, long 84-26-15. See page 92.
JESUP ARPT-Const. (2-3)
LAKEWOOD ARPT (ATLANTA)-Strips rough in spots. (10-9)
LAWSON FLD (COLUMBUS)-MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E. SE OF LANDING AREA DAY,NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2,32. Right traffic Rnwys 14,20,27; left traffic Rnwys 2,9,32. (4-30)
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const.) Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (1-22)
MALCOLM-McKINNON ARPT (BRUNSWICK)-Equip. on fld days. (6-2)
MARIETTA AAF-No maintenance 1700 to 0800. Ltd transportation. Temp twr atop Opers Bldg 200 yds N intersection Rnwys 10 and 15. (5-19)
••MILLEDGEVILLE MUN. ARPT-Lat 33-06-00, long 83-15-00. (12-20) See page 116. Soft after rainy weather. (4-17)

GEORGIA
MOODY FLD (VALDOSTA)-Two obst lgts atop Rdo Stn WGOV inop.
MUSCOGEE CO. ARPT (COLUMBUS)-Wind tee tied day and ngt when wind is 12 mph or less. Free swinging over 12 mph. (5-16)
SAFFOLD ARPT (SAVANNAH)-2500' ESE/WNW strip under const. (4-2)
ST. MARYS ARPT-Cattle on fld and rnwys. (1-27)
SAVANNAH-RADIO: SE course displaced 3° counter clockwise, bear. 330°. (4-22)
SOUTHER FLD (AMERICUS)-Use strips only. Soft when wet. (4-8)
SPENCE FLD (MOULTRIE)-Use rnwys only. All over fld avail. lgt acft only in certain areas. Landing area N of rnwys to be used only by pilots familiar with fld. Grass area adj to rnwys closed (sloped for drainage). (4-8)
THOMASVILLE ARPT-Closed ngts-no lgts. (10-24)
TURNER FLD (ALBANY)-RADIO: Army air to ground stn. temp. inop. (2-10)
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld). (1-16)
IDAHO: BOISE ARPK-Right traffic for NW landings and take-offs. (5-21)
BOISE AIR TERMINAL-Use rnwys, taxi strips only-shoulders soft. Non-rdo equipped acft use Rnwy 10L with left approach or Rnwy 28R with right approach when tetrahedron indicated traffic SE or NW. Parking ramp on Nat'l Guard side of fld immediately in front of twr SW of Rnwy 10R-28L closed to all acft other than mil except for taxiing. Extreme ctn while taxiing thru this area. (6-2)
BRADLEY FLD (BOISE)-Right traffic SE take-offs and landings. (3-17)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (2-22)
DUBOIS-RADIO: Rng figt-checked June 23, courses correctly aligned. (6-27)
GOODING ARPT-Use strips only-sod unsafe (erosion). (3-1)
GREEN MEADOWS ARPT (EAGLE)-Right traffic NW take-offs and landings. (3-17)
IDAHO FALLS-RADIO: Rng figt-checked June 23, courses correctly aligned. (6-24)
MOUNTAIN HOME AAF-N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
★POCATELLO-RADIO: VHF omni-directional rng comm for test purposes at lat 42-52-14, long. 112-39-03. No ident. Not figt-checked, is unmonitored and should not be used for navigational purposes. (6-30)
POCATELLO ARPT-6' ceilometer approx 75' S of Rnwy 5-23 at a point 500' W of taxi strip that intercepts Rnwy 29. Use rnwys, taxiways only. Equip. on fld days. (6-3)
PRIEST RIVER MUN. ARPT-NNE/SSW strip under const. (1-13)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (3-14)
TWIN FALLS ARPT-Use strips only, soft when wet. (2-21)
ILLINOIS: ALBERTUS ARPT (FREEPORT)-Const. Use N/S, NW/SE rnwys, soft when wet. Land within runway mrkrs. (2-25)
ASHBURN ARPT (CHICAGO)-Avail. only lgt acft under 2000 lbs. Landing fee for heavier acft $2.00 and up. NE/SW rnwy under const-unusable. Do not turn off cinders onto grass. (5-5)
CASEY ARPT-Red flag on windsock indicates strips too soft for safe oper, green flag indicates strips in good condition, orange flag indicates Right Traffic. (2-26)
CHANUTE FLD (RANTOUL)-Ltd parking. Inten training including weather, hood, and ngt between the ours of 0700 to 0100 daily. (6-24)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const.). (3-3)
CHICAGO-RADIO: Ctn- VORW rng unmonitored.
CHICAGO ARPT-RADIO: GCA temp inop. (6-16) FLD: Const 60' high W of Rnwy 22 center at NE corner fld. Snow extension lgts 22" above grade on Rnwys 31L, 36R,27L, mrkd. GCA truck and trailer lctd near center of fld, lgtd. Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Term Bldg upon arvl and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable at Arpt Supt's Office before dptr. 3 hangars under const along N taxiway. Ctn when taxiing. Ramp in front of new Term Bldg being repaired. (5-14)
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center -parked acft.
CHICAGO-ORCHARD ARPT-14 approach lgt standards approx 5' in height being const 85' left of center line NW/SE rnwy extending 1500' NW from NW end of rnwy. Will be mrkd by 3 flares 1 each on both ends of all. 1 on center standard during const. (6-10) Landing fees same as Chicago Arpt. Trans acft register in city office S side fld. Glide path bldg 800' SE of NW end NW/SE rnwy 400' SW. Lclzr bldg 950' SE of SE end NW/SE rnwy. (6-4)

[redacted]: CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (3-27)
DECATUR PARK DISTRICT ARPT (DECATUR)-Use rnwys only. (4-22)
EFFINGHAM-RADIO: 116.1 mc transmitter and rcvr temp inop. (6-30)
FLORA ARPT-NE/SW strip under const. (12-10)
GALESBURG MUN. ARPT-W bndry rough. (3-28)
HARVEY-RADIO: Rng gnd-checked only following repairs. (6-25)
JOHNSBURG ARPK-Equip. on fld. (3-18).
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req.(4-29)
LEWIS-LOCKPORT ARPT (LOCKPORT)-Use strips only. Stay on gravel when wet. (3-16)
MARION ARPT-Ext. train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. Wind tee moved to circle in center of fld. (5-12)
MOLINE ARPT-75' lgtd mast, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. 20' gravel pile 300' W of SW end NE/SW rnwy. (4-30)
MOUNT VERNON ARPT-E/W strip mrkd with flare pots, dusk to dawn. Serve as mrkr lgts only. (4-7)
PAL-WAUKEE ARPT (GLENVIEW)-250' Goodyear Blimp based on fld until approx Aug 10. Stationary mooring mast 45' high with a single obst lgt lctd on the NE side of the fld, approx 300' from existing rnwys. Blimp unlgtd, but riding lgts will be turned on upon the approach of acft. Pilots req to avoid use of rnwys during the 10 or 15 min period which will occur twice a day when the blimp is landing or taking off. (5-31)
PEORIA ARPT-Equip. on fld 0800 to 1630 daily except Sun. (5-10)
QUINCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. Use only rnwys in thawing weather. (2-24)
★ROCKFORD-RADIO: SE course realigned to 283°. Gnd-checked only. (6-28)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather and after thaws. (3-31)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)
SPRINGFIELD ARPT-Fld and strips soft after heavy rains. Unsafe heavy acft when soft. (4-5)
SPRINGFIELD MUN. ARPT-New arpt under const 3 mi NW of Springfield. Will be completed approx Aug 9. Gaps in paving at intersection of rnwys. Pole line crossing SE end NW/SE rnwy. Equip. on fld. Pilots advised not to land. (6-17)
STINSON ARPT (LA GRANGE)-NE end NE/SW rnwy closed. (5-14)
STOCKTON ARPT-Use strips only. (6-10)
WAUKEGAN ARPT-NW/SE, E/W strips usable except in extremely wet weather. (5-13)
WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (4-7)
[redacted]ANGOLA-RADIO: Caution VORW rng unmonitored.
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FT. WAYNE)-Rnwy lgts 9-27 inop. Tetrahedron uncontrolled. (4-22)
BENDIX FLD (SOUTH BEND)-Equip. on fld days. N triangle closed. (3-26)
BLOOMINGTON ARPT-Turf sparse-soft when wet. (5-19)
BRIGHTWOOD ARPT (INDIANAPOLIS)-E end E/W strip under const. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. Circular traffic pattern in use. (5-19)
CHAIN LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only. (5-23)
CHARLESTON ARPT-Trees at both ends-usable with ctn. Entire fld soft after prolonged rain. (5-19)
COLUMBUS MUN. ARPT-Turn off rnwys onto taxi strips after landing. Use rnwys only. (3-31)
••CORK ARPT (MARSHFIELD)-Formerly carried under West Lebanon. See pages 44,46)
••ELLIOT-MARTINSVILLE AIRFLD (MARTINSVILLE)-Formerly carried as Martinsville Arpt. See page 142.
EVANSVILLE ARPT-Trans use rnwys only. Equip. on fld days. (5-5)
GARY ARPT-Water on fld. Soft in wet weather. Extreme ctn. (5-1)
HOOSIER-PARK ARPT (INDIANAPOLIS)-NW/SE, NE/SW strips closed. Area immediately adj to these strips avail. for traffic. (5-22)
HULMAN FLD (TERRE HAUTE)-Erosion on fld-use rnwys only. (6-23)

[redacted]:HUNTINGTON MUN. ARPT-SE end NW/SE strip freshly filled. Not firm. (11-13)
★INDIANAPOLIS-RADIO: Adtnl VHF voice fac on 111.1 mcs comm. (6-26) GCA unit operated by CAA on exper basis at Indianapolis Arpt, between the hrs 0800 and 1600 Mon thru Fri. Unit aligned for approach from the SW on Rnwy 4. Transmits on 212 kcs, 126.18 mcs, receives on 3105,4495,6210,3117.5 kcs., 126.18 mcs. Pilots desiring to make practice runs should make arrangements thru Indianapolis Twr, Indianapolis Rdo or airline ground stn at Indianapolis. All flights must be CFR prior to starting GCA runs and must remain CFR throughout approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mc bndry mrkr using keyed 3000 cycle tone, operating intmtly at SW bndry of arpt. Exper lclsr on 108.3 mcs SW end NE/SW rnwy. Exper rdo rng with 5 lgtd 131° twrs operating intmtly at Avon, Ind, 7 mi NW of arpt on 172 and 194 kcs. Low power (holding mrkr), 75 mcs, 10 mi SW of arpt on ILS lclsr course, keying "U", tone 3000 cycles, temp inop. (11-22)
INDIANAPOLIS ARPT-Pilots of mil and trans acft register with registrar in Admin Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner operating intermittently. 2-1/2° exper rnwy lgts both sides NE/SW rnwy. Exper flights of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip. 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 80' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' NE of NE/SW rnwy on centerline; trailer adj CAA glide path 400' SE of NE/SW rnwy, all lgtd actg. Exper slope line (Glide path) approach lgt sys installed W end of Rnwy 9-27. Lgts consist of 3 pairs of red tubular lgts spaced 100' apart with first pair lctd 100' W of rnwy. The outer pairs show red only on approach side; the inner pair show red on approach and rnwy sides. The high end of outer unit is 8', and high end of inner unit is 5'. Operate normally with rnwy ctr lgts. No mil svcg-use Stout Fld. 20 elevated gaseous tube directional taxi mrkr lgts showing a blue lgt when lgtd. 5 on exper stn taxi strip and 15 on short N/S rnwy and 1 the two short E/W taxi strips leading therefrom to Admin Bldg apron. (6-24) Right traffic pattern for acft landing on grass to the right of rnwy in use; left for acft landing on grass to left of rnwy. Acft landing on rnwys use left traffic pattern unless otherwise advised by twr. (5-22). Exper bcn atop Admin Bldg rot. at high speed counter clockwise operating during IFR days only. (6-18)
McCOOL INT, SITE 3, CG-LG-Pwr poles approx 460' S of the S end of the N/S rnwy, fence line along the S side of Hwy #6, 50' silo 1160' W of watchhouse, all unmrkd. Green bndry lgts No. 17 and 28 changed to clear. (5-28)
MICHIGAN CITY ARPT-Use only mrkd strips, taxiways-bal fld unsuitable for landing and taxiing. (5-19)
MORGANTOWN-RADIO: FM formerly on S course Indianapolis Rng will remain in oper on exper basis. (11-8)
MYERS FLD (FT. WAYNE)-Avail. with ctn. Soft during wet weather. (3-23)
PLYMOUTH ARPT-E/W, NW/SE strips avail. ENE/WSW strip closed-newly seeded. Condition will be in effect thruout the summer. (5-19)
PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to heavy local traffic, trans acft avoid turning in middle of fld after landing. Taxi straight to end of fld; then taxi within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather. (6-17)
SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft when wet. Const area mrkd. (5-19)
SMITH FLD (FT. WAYNE)-Use rnwys only-turf soft when wet. (5-19)
SOUTH BEND-RADIO: Caution VORW rng unmonitored.
SOUTH BEND-Barrage balloon over S central portion of South Bend. Max height 500' above gnd. Aloft 0700 until 1700 daily. (5-27)
STARKE CO. ARPT (KNOX)-N/S strip soft-loose sand. Avail. lgt acft only. (5-19)
STOUT FLD (INDIANAPOLIS)-Crash equip. avail. 0800 to 1700 daily only. Ltd svcg facs. Lgts on prior req. (5-22)
TRI-STATE ARPT (ANGOLA)-N/S strip closed (const). (5-5)
URSCHEL FLD (VALPARAISO)-Strips soft in wet weather. (5-19)
WELLS CO. ARPT (BLUFFTON)-Avail. with ctn-soft during wet weather. (5-5)
WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N. No wind conditions land to W. (5-8)

[redacted] CEDAR RAPIDS ARPT-Use rnwys, taxi strips only. (3-22)
CHAPMAN FLD (WATERLOO)-Bcn, bndry, obst lgts inop. (4-2)
CRAM FLD (DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)
DES MOINES-Rng figt-checked, courses correctly aligned. (7-5)
DES MOINES ARPT-Entire area off rnwys E of N/S, NW/SE rnwys closed. Use rnwys only. Area off SE end NW/SE rnwy closed to taxiing, mrkd. Equip. on fld. Excavation off sides of N/S taxi strip approx 200' N of S end of strip, mrkd. No NG fuel or fuel on Form 15 due flood. (7-3)
DUBUQUE ARPT-CLOSED (flooded). (6-13)
ELKADER ARPK-N/S strip newly graded and seeded. (5-29)
HUNTER FLD (CEDAR RAPIDS)-NE/SW rnwy under const. Land on other rnwys with ctn. Equip. on fld. (6-24)
IOWA CITY ARPT-Closed ngts. Sod adj rnwys, taxi strips freshly seeded. Lgts being installed. Const until approx July 13. Trenches 3' deep adj all rnwys, mrkd. Equip. on rnwys. Rnwys will be cleared for air carrier landings. New bcn 250' E of N/S taxiway mrkd by red lanterns ngts. (6-13)
LAMONI INT, SITE 19, KC-MP-Unsafe (soft). (4-16)
MASON CITY ARPT-Landings and take-offs prohibited on sod rnwys W of Admin Bldg. Sod between taxi strip and N end N/S rnwy unusable. (4-29)
OTTUMWA NAS-S landing mat closed (helium bottles on mat). Use rnwys only (5-6)
SIOUX CITY ARPT-Blinding ceilometer 1000' N of Admin Bldg. (4-30)
[redacted] ALLMAN ARPT (LENEXA)-Use strips only. (4-2)
ATWOOD ARPT-Soft when wet. (3-26)
★BEECH ARPT (WICHITA)-RADIO: Priv. twr comm July 1 See page 86 FLD: During damp weather use rnwys only. (4-2)
CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags. (2-6)
••CULVER ARPT-Reported ABANDONED. (6-27). See page 86.
DODGE CITY ARPT-Blinding ceilometer installed 1000' NW of Admin Bldg. E/W rnwy closed. Parked acft on fld N and S of Admin Bldg due to partially completed const on parking area. Hangars being built NW Admin Bldg. (4-11)
FAIRFAX FLD (KANSAS CITY)-Only 100 oct avail. (6-13)
FT. RILEY-AA firing conducted immediately N of Marshall Rng Stn.
GARDEN CITY AAF-No svcg or maintenance avail. (2-7)
GOODLAND ARPT-Rnwy sides soft when wet. (2-21)
HUTCHINSON MUN. ARPT-Heavy acft use rnwys only Tetrahedron unlgtd. (5-1)
HUTCHINSON NAS-CLOSED-no facs. (11-25)
INDEPENDENCE AAF-Closed to all acft except on off. bus. or emerg. Only N/S rnwy nearest ramp avail. (6-23)
JANSSEN SKYTEL ARPT (McPHERSON)-E/W strip soft when wet. (3-4)
••LARNED MUN. ARPT-ABANDONED. (6-24). See page 36
MARSHALL FLD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys taxi strips, ramps only. Soft shoulders off rnwys. Rnwy lgts undependable. (2-10)
OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Rng Stn.
OLATHE NAS-Closed 1800 to 0800-flights desiring landing during these hrs must notify opers before 1600. (6-13)
OLATHE OLF NO. 2-Use in emerg only-no facs.
OLATHE OLF NO. 4-Use in emerg only-no facs.
OLATHE OLF NO. 7-Use in emerg only-no facs.
OLATHE OLF NO. 9-Use in emerg only-no facs.
SATANTA ARPT-Strips soft in wet weather (2-19)
SHERMAN FLD (FT. LEAVENWORTH)-Left traffic Strips 12,15; right traffic Strips 30,33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip Closed to VHB type acft. (4-11)
SMOKY HILL AAF (SALINA) RADIO: Army ILS (CAA type) inop indefinitely (4-1)
TOPEKA-Inst flying rdo rng ngt, day Call Topeka Rdo at least 20 mi out before flying rng.
TOPEKA AAF-Closed to all trans mil acft except on off. bus or in emerg. (6-2)
★WICHITA ARPT-RADIO: Middle mrkr of CAA ILS now monitored. (6-10). FLD: Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Trans acft without rdo use ctn. Stay on [redacted]: concrete-sod unsafe. (4-29)
WICHITA AUX ARPT-Arpt lctd 6 mi SE of Wichita not avail. as an auxiliary fld. City of Wichita not responsible for consequences arising from use of the fld. (4-19)
[redacted]:ASHLAND ARPT-Right traffic pattern on NW landings and take-offs. (2-5)
BLUE GRASS FLD (LEXINGTON)-Use rnwys only. (5-5)
BOWLING GREEN ARPT-Use rnwys only. (4-7)
CAMPBELL AAF (HOPKINSVILLE)-Ext const. Rnwy 4-22 only avail. (6-1)
GODMAN FLD (FT. KNOX)-RADIO: Army rng unreliable;use primarily as homing fac. (6-24) FLD: CLOSED TO ALL ACFT GROSSING 30,000 LBS OR OVER EXCEPT IN EMERG. High trajectory firing in danger area NE fld day, ngt. (6-24)
GREATER CINCINNATI ARPT (COVINGTON)-Lgts not controlled from twr. Lgts inop Rnwy 13-31. (6-17)
JODY FLD (LONDON)-Const-use rnwy N of hangars only. (4-28)
LEXINGTON-RADIO: VHF rng unmonitored, no auto. standby equip. and therefore it is avail. for navigational purposes with these limitations. (4-2)
PADUCAH-McCRACKEN CO. ARPT-Bcn, ctc lgts oper from dusk till dawn daily. Only NE/SW rnwy lgtd ngts. (6-18). (6-18)
STANDIFORD FLD (LOUISVILLE)-NG svcg not yet avail. (4-22)
[redacted]:BARKSDALE FLD (SHREVEPORT)-Liaison type acft land Rnwy 14R-32L. Exten training, heavy traffic. GCA unit on right and left hand side of center rnwy, lgtd. No 91 oct. (5-6)
COMMERCIAL ARPT (HODGE)-Unsafe (rutted). (6-10)
COTTON VALLEY ARPT-E/W strip closed. (1-23)
CROSS LAKE SKY HARBOR (SHREVEPORT)-Land only in area in front of Base. (2-13)
EAST BATON ROUGE PARISH ARPT (BATON ROUGE)-Avoid SE corner fld, mrkd with white flags. (1-27)
HOUMA NAS-LTA-Twr oper daylgt hrs 0800 to 1630 only for all acft by Navy in connection with Bureau of Aeronautics Sto. Closed to all other mil acft except in emerg. No fuel. Civil acft may land during daylgt hrs. Lighting facs for ngt flying not in cont oper for civil use. (4-23)
IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. (3-13)
JENNINGS ARPT Use strip only. Smudge pots avail. on prior arrangements. Unlgtd pole lines S and E side fld. Right traffic when landing S and W. (3-19)
LAFAYETTE ARPT-Use rnwys only. (4-29)
LAKE CHARLES MUN. ARPT Blinding 30 million candle pwr ceiling lgt installed stn WBAS. Operates during cloudy conditions. Two 195' lgtd twrs 3.5 mi NW under const, lgtd. Fuel for mil acft avail. 0700 to 2300. (4-24)
LE GROS MEMORIAL ARPT (CROWLEY)-170' twr being erected 9 mi NE (55° true). Will be lgtd upon completion. (3-24)
MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-RADIO: Control line not installed at CAA ILS. Middle mrkr unmonitored. (6-20). FLD: Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way rdo except in emerg. 171' steel derrick being erected approx 15 mi SSE in Lake Salvador unlgtd. Tetrahedron inop. (5-12)
MONROE ARPK-Avail. days only. (12-20)
NATCHITOCHES ARPT-Taxi to right. 44' trees approx 400' S of S end N/S rnwy and 77' trees approx 800' W of W end E/W rnwy. (1-23)
NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Closed to all Army acft except primary, basic and advanced (not including converted tactical type) trainers, utility cargo, C-46, C-47 series, C-60, C-64, liaison acft, helicopters and autogyros. (3-26)
NEW ORLEANS NAS-Closed to all acft exceeding 9000 lbs. Avail. 0800 to sunset. Equip. on all rnwys. Fld on positive control. (5-18)
SELMAN FLD (MONROE)-Obst lgts atop twr inop; Equip. on fld. (12-27)
SHREVEPORT ARFK-Entire fld avail. except sod area E of N/S rnwy. Land with wind tee. Wind sock for wind direction only. (1-6)
SHREVEPORT ARPT-Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1-1/4 mi S within approach zone N/S rnwy lgtd. 185' rdo twr being erected 4 mi SW (230° true). Work in progress SW end Rnwy 5-23, approx 100' from end of rnwy, mrkd. Equip. on fld days. (5-13)

**MAINE: AROOSTOOK FLYING SERVICE (FT. FAIRFIELD)-ABANDONED (7-3) See page 17.
AUGUSTA-RADIO: Rng figt-checked June 20, SE course displaced 3° SW, bear. 312°. Stn lctn mrkr has lobe in it-use with ctn.°(6-20)
AUGUSTA ARPT-Obst lgts on antenna poles 400' NE Admin Bldg inop. (4-22)
DOUGLAS FLD (BRUNSWICK)-Right traffic when wind from the S. (4-22)
★DOW FLD (BANGOR)-RADIO: ILS discont as a CAA fac and oper turned over to AAF. Sys temp inop. FLD: E/W rnwy closed. Use concrete portion fld only. Ltd transportation and maintenance facs. Exten ngt flying opers every ngt from 2000 to 2300. P-47 type acft operating CFR stacked from 3000' to 10,000' all quadrants except S. Equip sides rnwys (7-2)
FARMINGTON ARPK-After hvy rain land to W side strip. (4-23)
LEWISTON-AUBURN ARPT (AUBURN)-Hvy acft use rnwys only-safety strips soft. (11-13)
MERRYMEETING FLD (BOWDOINHAM)-Use in emerg only. (4-22)
MILLINOCKET-RADIO: Auto. rng monitor. sys temp inop. (5-26)
MILLINOCKET ARPT-NW 1000' NW/SE rnwy closed. Ctc lgts inop. (4-15)
NEW MEADOWS ARPK (WEST BATH)-PRIVATE-emerg use only. (5-6)
**NEWTON FLD (JACKMAN)-Formerly called Jackman Arpt (Jackman) (7-3) See page 17.
NORRIDGEWOCK ARPT-CLOSED-Use in emerg only.
OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop. (2-24)
PORTLAND ARPT-E/W rnwy closed ngts (ctc lgts inop). (4-29)
PRESQUE ISLE AAF-RADIO: Army HF/DF stn temp suspended. (5-16) Bndry mrkr of CAA ILS will be decomm soon. Effect July 15, VHF/DF stn will be inop for indef period. (6-30) FLD: No longer assigned as Foreign Clearing Stn, except as weather alternate for sched ATC flights. Svcg trans acft 0800 to 1700 only. (5-16)
SCARBORO ARPT-CLOSED (soft). (3-31)
**SNOWMAN'S ARPT (ASHLAND)-ABANDONED (7-3) See page 17.
**WESTON FLD (MADISON)-ABANDONED (7-2) Rec'd too late for inclusion in Directory
[redacted]ANDREWS FLD (CAMP SPRINGS)-RADIO: Army ILS temp inop.
BALTIMORE-RADIO: Rng gnd-checked only. (6-23)
BALTIMORE ARPT-No crash equip. ngts. Use rnwys, taxiways only, other areas soft Equip. on fld. Ships with unlgtd 120' masts anchored in harbor S, W and SW of fld. Smoke stacks NW and SE. Rdo rqrd between sunset and sunrise. Ltd 160' derrick at lat 39-14-15, long. 76-31-00. 45' lgtd mobile steel boom 1/2 mi from fld bndry and 600' N of approach to Rnwy 27. (6-30)
BALTIMORE SEAPLANE BASE-Rdo facs same as Baltimore Arpt. Control launch and other services avail. commercial operators by prior agreement with BOAC Ramp and fuel services avail. by contacting Baltimore Twr. (4-21)
BELTSVILLE OLF-No crash equip. Closed to all acft except in emerg. (4-9)
BRANDYWINE-RADIO: About July 15, weather permitting, N and S courses will be realigned to: 168°, 348°. Quadrants will be reversed, "N" signal in NE quad. (7-8)
EDGEWOOD ARSENAL FLD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Closed Sat and Sun. Operates Mon thru Fri 0800 to 1600. (3-14)
ERCO ARPT (RIVERDALE)-Do not land on diagonal taxi strip due to softness and holes Soft shoulders off rnwys. Avail. days only. (2-19)
FREDERICK CITY ARPT-CLOSED (water main running across arpt being removed). (5-22)
GLENBURNIE-WHIPP ARPT (GLENBURNIE)-Avoid flagged area-equip. (2-19)
KENT ARPT (WORTON)-Landing area under const. (3-17)
MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS. WITH GLENN MARTIN CO. OR IN EMERG. Trans or lcl traffic, not landing at fld, should avoid fld traffic patterns or approaches. (1-22)
PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches adj Rnwy 9-27 mrkd. Equip. on fld. Obst SE end Rnwy 13-31 Ctn-land long on rnwy. (6-6)
PHILLIPS FLD (ABERDEEN)-CLOSED TO ALL TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Ltd svcg. No maintenance or RON. Danger area 1500 yds S; firing to 25,000'. Approach from N only, flying a heading of 200° from Aberdeen to fld. Hvy traffic rnwys. Rnwy 4-22 closed. (5-20)
SALISBURY-RADIO: Commissioning of VHF rng indef. postponed. (5-5)
SALISBURY ARPT-Ctn advised using Rnwy 13-31. Use center rnwy only-rough area on S side rnwy 2000' from W end. Equip. on fld. (7-6)

MARYLAND: SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (4-10)
WEBSTER FLD (BEACHVILLE)-Closed except on 24 hr notice.
MASSACHUSETTS: AGAWAM-Two searchlights being operated from Riverside Park dusk to midngt May 30 to Sept 7. (5-8)
BARNES ARPT (WESTFIELD)-Oper of arpt bcn days indicates suspension of CFR oper. CTC Westfield Rdo for lgts. 139' tank 5500' SW, lgtd-temp painted gray No ctc lgts.
BROCKFIELD'S ARPT-Ctn-steep grade at SE end. (4-21)
CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been estab. approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30 extending 1000' seaward from shore of Cape Cod Bay.
GRAFTON ARPT (NORTH GRAFTON)-Avail. lgt acft only. Glider towing opers daylgt hrs. Powered acft approach with ctn. (5-16)
**HYANNIS-Large over-water circular caution area has been estab. approx 5 mi S having a radius of 6 mi centered at lat 41-30-00, long. 70-15-00.
LA FLEUR ARPT (NORTHAMPTON)-Const. Grading 800' by 300' center of fld, mrkd. Equip. on fld. Closed ngts. (5-17)
LAWRENCE ARPT-At ngt use rnwys for landing and taking off. (3-23)
LOGAN ARPT (BOSTON)-RADIO: CAA ILS placed in cont oper June 10 for pilot training and familiarization purposes only. Lclzr lctd 950' NE of NE end of Rnwy 4-22 on extended centerline. Freq 110.3 mcs. Ident. "BOS" Glide path freq 335 mcs. Angle 2.5°, lctd 1000' NE of SW end of Rnwy 4-22 and 550' SE of rnwy centerline. Middle mrkr 1.40 mi from SW end Rnwy 4-22 on extended centerline keyed alt dots and dashes; outer mrkr lctd 5.67 mi from SW end of Rnwy 4-22 on extended centerline keyed two dashes. Outer compass lctr at outer mrkr site on 203 kcs, ident. "G". Comm date of this fac for regular oper indef, pending completion of const and removal of const equip. This corrects "Airgi", Vol 2,No. 7. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-16) FLD: Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight,cargo, and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Priv or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Mgr and pay fees. Pilots will be denied clearance until fees are paid. Equip on fld. Mercury arc vertical beam NW end new temp NW/SE rnwy-used intermittently day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. NE 100' Rnwy 7-25 unsafe. Old Rnwy 15-33 closed except for taxiing. (5-26) 2 unlgtd 374' stacks lctd S Boston Base, 7900' from S end Rnwy 4-22. ILS lclzr path lies within 1500' of stacks-ctn. New Rnwy 9-27 open to traffic sunrise to sunset during CFR weather only. (6-27)
MANSFIELD ARPT-Red flag flying when closed. (4-21)
MARLBORO ARPT-Avail. sunrise to one hr after sunset. (4-21)
MERRIMAC VALLEY SKYPORT (LAWRENCE)-Right traffic when landing or taking off down river. (4-4)
MYRICKS ARPT (BERKLEY)-Wires on S end N/S strip. (4-1)
NANTUCKET ARPT-Five 320' twrs being erected 6 mi W (280° true). (4-13)
ORANGE ARPT-High grass NW end fld. (5-17)
OTIS OLF (FALMOUTH)-Use in emerg only (caretaker status - no facs).
**PILGRIM FLD (HATFIELD)-3.4 N. Formerly carried under Northampton. (12-11) See page 54
PITTSFIELD ARPT, SITE 3B, AZ-BW-Land according to wind sock. (4-2)
**PONTOOSUE LAKE SEAPLANE BASE (PITTSFIELD)-New Base. Lat 42-29-30, long. 73-14-19. (6-28)
PROVINCETOWN FLD-Closed to acft over 3200 lbs. (4-21)
REVERE ARPT-Right traffic on Rnwys 2,33,35. Const on seaplane base 1000' N of arpt (4-21)
RICHARDSON ARPT (DRACUT)-Intersection of two strips muddy when wet. Heavy acft use wide pattern on downwind leg for WSW landing to avoid turkey farm 1000' from rnwy.(3-15)
**SANDWICH-Large over-water circular caution area has been estab. approx 5 mi NE having a radius of 6 mi centered at lat 41-53-00, long. 70-22-00.
SPRINGFIELD ARPT-Lgts inop. (4-21)
SQUANTUM NAS-Equip. at bndry and on fld. Fld avail: 0800 to 30 mins prior to off. sunset Truck and two trailers 30' high on Rnwy 2-20, 150' S intersection Rnwys 14-32, 2-20, lgtd.
STEVENS FLD (NORTH ADAMS)-Temp closed. (4-21)

[redacted]Westfield-RADIO: Following repairs, courses aligned by gnd check only.(7-3)
WESTOVER FLD (CHICOPEE FALLS)-RADIO: Army ILS (CAA type) lclzr, Rnwy 24, unreliable. (4-23) HF/DF stn temp suspended. (5-22) FLD: All acft on IFR approaching fld from NE will follow Amber 7 to Boston, thence follow Red 11 to Gardner intersection (W course of Boston Rng and NE course Westover Rng). Acft will report to Boston ATC over Gardner intersection and will then be instructed by Boston ATC to ctc Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing let-down procedures as disseminated from fld. Cruising alts assigned by Boston ATC will be maintained until further cleared to descend by Boston ATC. Westover approach control will assume control of acft upon departing Gardner intersection but not until released by Boston ATC. When under Westover approach control, all instructions will be followed which are transmitted by Westover Approach control. (2-19) Red bcn atop Mt. Nanatuck inop. (6-6)
[redacted]ABRAMS ARPT (GRAND LEDGE)-Soft during wet weather-freshly seeded. (4-24)
ADRIAN CITY ARPT-SW corner fld unsafe for landings and take-offs. (4-28)
ANN ARBOR ARPT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (5-23)
BAKER'S FLD (PORT HURON)-Use strips only. Fresh fill E 1/2 N/S strip from intersection to S end, also SW end NE/SW strip. Soft when wet. (2-25)
BISHOP ARPT (FLINT)-Use rnwys only-soft. Unmrkd acft parked on fld within 500' of bldgs. (6-9)
CADILLAC ARPT-S 100' of 1000' taxi strip avail. all acft except tricycle gear acft, bal taxi strip being cleared of trees and brush. Other strip usable this area from N of bldgs to fld bndry. 40' crane 300' E, 100' S of E end E/W strip approx 200' S of centerline of approach. (6-27)
CALVIN CAMPBELL MUN ARPT (INDIAN RIVER)-Emerg use only. (3-21)
CAPITAL CITY ARPT (LANSING)-Use center of runwys only. Soft spots and broken blacktop on NE/SW rnwy near intersection E/W rnwy. N/S rnwy avail. taxiing only. Equip. on fld days. Acft parked W side fld E of apron. (4-2)
DALTON ARPT (FLUSHING)-Ctn during wet weather. (4-11)
DR. HAINES FLYING FLD (THREE RIVERS)-Use strips only. (5-23)
FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (4-24)
★FLINT-RADIO: Admi VHF voice fac avail. on 111.1 mcs. (6-24)
FORD ARPT (DETROIT)-CLOSED. Avail. emerg use only. Use rnwys only. (3-31)
GRIDLEY ARPT (YPSILANTI)-Strips reseeded, unusable when cross is displayed. Use E/W sod patch. (4-24)
GROSSE ISLE NAS (DETROIT)-Fld lgts on prior req.
JAMES CLEMENTS ARPT (BAY CITY)-Use rnwys only. Closed ngts. (3-12)
KELLOGG FLD (BATTLE CREEK)-Equip. on fld indefinitely. (4-24)
KENT CO. ARPT (GRAND RAPIDS)-Acft weighing 8000 lbs or over use rnwys only. Rot. bcn on Admin Bldg inop during twr const. (5-23)
LINDBERGH MUN ARPT (KALAMAZOO)-Avail. ngts in emerg. Land in accordance with wind tee lctd midway between NW end NW/SE and N end N/S rnwys. Use rnwys only. (5-23)
MACKINAC CO. ARPT (ST. IGNACE)-Use rnwys only. (4-5)
McKINLEY ARPT (FRASER)-Avail. to lgt acft only in dry weather. (4-26)
MOUNT PLEASANT ARPT-Sod strips soft during early spring months. (4-24)
MUSKEGON CO. ARPT-Use rnwys only-rough. (4-24)
OSCODA AAF-Use rnwys, taxi strips only.
OTSEGO CO. ARPT (GAYLORD)-Use NW/SE strip with ctn-sand surface. (4-24)
★PELLSTON-RADIO: VHF voice fac comm on 116.1 mcs. These data rcvd too late for inclusion on data page and chart. (7-2)
PHELPS COLLINS ARPT (ALPENA)-Lgt acft may use sod between rnwys. (3-21)
PLANE HAVEN ARPT (STANTON)-CLOSED. (5-23)
ST. CLAIR CO. ARPT (PORT HURON)-Rdo Stn WEBO erecting 145' twr 4 mi NE (37° true), temp lgtd. Use strips only-soft when wet. Equip. on fld. (4-24)
SAULT STE MARIE ARPT-Loose gravel on N/S rnwy. Use rnwys only. (4-8)
**SAULT STE MARIE-KINROSS ARPT (KINROSS)-Formerly Kinross Fld. (6-20) See page 16.
★SELFRIDGE FLD (MT. CLEMENS)-RADIO: Army twr now transmits on 396 kcs, 126.18, 137.88 mcs. Army rng will be relctd soon. (5-20)
SKYHAVEN ARPT (SAGINAW)-CLOSED (const). (4-11)

[redacted]STINSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rnwy. (4-24)
TRAVERSE CITY ARPT-Use rnwys only. (6-9)
TWIN CITIES ARPT (BENTON HARBOR)-Use rnwys only, soft after hvy rains. (4-15)
WASHTENAW ARPT (DEXTER)-Use rnwys only. Avail. days only. (2-20)
WAYNE CO. ARPT (DETROIT)-No lgts or rdo. (4-7)
★ WILLOW RUN ARPT (YPSILANTI)-RADIO: Freq of middle compass lctr at middle mrkr site of CAA ILS changed to 323 kcs. (6-27) Lclzr, glide path and mrkrs of CAA ILS will be comm soon. (3-28) FLD: Equip. on fld. Trucks on NE/SW strip. Pilots must register with Ramp Control Supervisor on arvl and check out on dptr. Graduated scale of landing fees in effect for all revenue producing trans acft. (6-17)
[redacted]AITKIN MUN ARPT-Const. (3-18)
APPLETON ARPT-Use rnwys, taxi strips only. (2-14)
**BAUDETTE-Large danger area has been estab. approx 16 mi SSW within the following described area, : N by lat 48-30-00; E by long. 94-35-00; S by lat 48-08-00; W by long. 95-10-00.
BENSON ARPT-Use strips only. Closed to trans acft. (4-14)
BLUE EARTH ARPT-NW/SE strip avail. in dry weather. (5-6)
COLERAINE ARPT-Slightly rolling. Const on fld. Usable in N/S and NW/SE direction only. (11-8)
DECKER ARPT (AUSTIN)-Acft over 3500 lbs use ctn. Const. (4-21)
DETROIT LAKES ARPT-Use strips only. (5-5)
DULUTH ARPT-Use rnwys only. Ctn during ngt landings and take-offs- deer on fld.(7-3)
**FARIBAULT ARPT-1.6 mi S ABANDONED (7-3) Rcvd too late for inclusion in Directory and Flight Planning Chart. See page 13.
FLYING CLOUD ARPT (MINNEAPOLIS)-Strips leveled and seeded. E/W, NW/SE graded and seeded in spring. (12-11)
KENYON ARPT-N/S strip slopes to the N, NE/SW slopes to the NE. (5-9)
MANKATO ARPT-Strips soft during spring thaws. Closed to all multi-engine and heavy single engine acft. (4-1)
MARSHALL ARPT-Newly graded and seeded strips. Use with ctn. Avoid in wet weather. (4-28)
MONTEVIDEO ARPT-Strips muddy when wet. (2-14)
NEW ULM ARPT-E/W strip has 10' hill. Use with ctn. (11-1)
ORTONVILLE ARPT-Temp closed (const). (6-20)
** OSSEO ARPT-ABANDONED. (6-19) See page 13.
PRINCETON ARPT-Use N/S strip only. (5-12)
ST. PAUL ARPT-Use rnwys, taxi strips only. (3-31)
THIEF RIVER FALLS MUN. ARPT-Use rnwys only. Bal fld planted in grain. (4-30)
UNIV. OF MINNESOTA ARPT (NEW BRIGHTON)-N end N/S strip rough. (4-3)
VICTORY ARPT (MINNEAPOLIS)-Surplus Acft Sales Center - parked acft.
VIRGINIA ARPT-Rough. (4-1)
★WOLD CHAMBERLAIN FLD (MINNEAPOLIS)-RADIO: Correct distance from middle mrkr to end of rnwy of CAA ILS is 0.70 mi. These data rcvd too late for data page. Lclzr and glide path gnd-checked only. (7-3) FLD: Foreign Clearing Stn for Musk-Calf Project Flights. Ltd maintenance facs, no parking facs for Army acft temp. Exper horizontal neon lgt installed on fence 300' S of S end N/S rnwy. High intensity rnwy mrkr lgts being installed both sides N/S rnwy. Hvy acft use rnwys, taxiways only-soft. (4-30)
MISSISSIPPI: BASS FLD (LULA)-Landing area rough. (11-15)
COLLIER FLD (DREW)-Ditch across strip. (7-2)
COLUMBUS AAF-Use rnwys only.
GREENWOOD ARPT-Use rnwys only-sodded portions soft. (4-26)
GRENADA ARPT-NE/SW rnwy closed. (6-28)
**GULFPORT ARPT, Mun-Formerly Gulfport Arpt #1 (6-23) See page 128. Avoid flying over area directly off SW corner. Entire sod fld avail. (4-1)
**GULFPORT MUN ARPT OLD-Formerly Gulfport Arpt mun #2 (6-23) See page 128
HAWKINS ARPT (JACKSON)-Two 115' temp lgtd stacks 1-1/2 mi SE. 136' water tank being erected 3.5 mi SSE (153° true). Temp lgtd during const. (4-11)
JACKSON CO. ARPT (PASCAGOULA)-Trans acft use rnwys only - drainage grills under grass. (5-17)
KEESLER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way rdo. 20' boom NE corner NE/SW rnwy, mrkd. (4-28)

MISSISSIPPI:KEY FLD (MERIDIAN)-Unlgtd 143' stack and 101' tank 1500' NE of fld and in line with approach to Rnwy 22 and take-off path Rnwy 4. E ntire fld and surrounding obst unlgtd except rot. bcn., N/S rnwy lgts and a few lgts on the NE/SW rnwy. (5-26)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
LOUISVILLE ARPT-N 1/3 of strip unusable in wet weather. Ditches near edges of strip. (12-20)
MARKS ARPT-Ctn in wet weather. (2-21)
McCOMB ARPT-West 1/3 of E/W strip unusable. (2-17)
McLAURIN ARPT-Unusable-strip washed out by rain. (4-29)
NORTH JACKSON ARPK (JACKSON)-Lat 32-22-00, long. 90-07-30. **(4-16) See page 14.
O'KEEFE FLD (NEWTON)-Soft when **wet. Low** spot 450' **N of circle mrkr. (4-24)**
TATE ARPT (LELAND)-Soft **when wet. (4-24)**
TUPELO ARPT-Equip. s**takes on fld. (1-2)**
YAZOO CITY CO. ARPT (YAZOO)-Use **N/S strip only, bal fld soft. (2-17)**
MISSOURI: ACE **HIGH** ARPT (GALT)-Under **const. Use with ctn. N/S strip slopes badly to** S.
BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (2-17)
CHILLICOTHE ARPT, SITE 7, KC-CG-Use sod areas with ctn, numerous washes, ditches, **and wheel tracks. Avoid unmrkd ditches SW side SE end of paved rnwy and SE edge** NE/SW **rnwy SW of CAA weather stn. Keep to paved rnwy and taxi strip when wet. (5-5)**
COLUMBIA ARPT-Heavy student traffic. Ngt flying 3 mi radius fld. Sod at rnwy sides soft **when wet. Traffic pattern 800' on down-wind leg. Blinding ceilometer 1000' E of rot. bcn. Equip. on fld. days. (5-5)**
HARRIS FLD (CAPE GIRARDEAU)-Ust strips only - parked acft.
INDEPENDENCE ARPT-CLOSED. (3-14)
JEFFERSON CITY ARPT-NE/SW, E/W strips avail. twin-engine acft not exceeding weight of C45, UC78. (4-22)
JOPLIN ARPT-Obst lgts NE end NE/SW rnwy inop. (2-22)
KANSAS CITY ARPT-RADIO: About July 20, outer mrkr and outer compass lctr will be inop for approx 2 weeks for relctn. (7-3) CAA ILS lclzr has low clearance spots or false courses 90° E of front course and 50° W of front course. Glide path and middle mrkr temp **unmonitored. (5-23) FLD: Avail. mil acft not exceeding 50,000 lbs. Army acft rstd from refueling except in extreme emerg. No 1 neon lgt lctd approx 90' N of N end of N/S rnwy and green course lgt approx even with N end N/S rnwy operating. Take-offs by lgt acft to the N from E of N/S rnwy prohibit ed. Obst lgt atop dike and on the extension of center line of N/S rnwy. Heavy acft use rnwys and taxi strips only. Const immediately N of Terminal Bldg-ctn when parking acft this area. 13' lgtd structure lctd 75' W of center line at S end of N/S rnwy. Levee has been raised to 20' above fld level 200' off S end of N/S rnwy, unlgtd. Five 300' twrs being erected 14 mi NNE (22° true), temp obst lgtd. (5-23)**
KING **ARPT** (HOUSTON)-Staked **for** impending **const.** (4-2)
KIRKSVILLE ARPT, SITE 12, KC-CG-Sod portions fld soft. Heavy acft use N/S rnwy.(4-29)
★LAMBERT **FLD-ST. LOUIS** ARPT (ST. LOUIS)-RADIO: Glide path of CAA ILS comm June 25. Lctd 1484' SW from approach end of NE/SW rnwy. See pages 38 and 40. Lclzr and glide path flgt-checked. Middle mrkr temp unmonitored. About July 5, the outer **mrkr** will **be inop** for about 20 days for maj const. About July 15, the outer compass lctr will **be inop for about 7** days **for** relctn. (6-30) FLD: Closed to non-rdo equipped acft. Soft off rnwys-avail. **lgt** acft. SW taxi strip closed. Apron NW corner fld and approach end Rnwy **7** closed. Rnwy 16-34 closed. Rnwy 6-24 closed from W end thru intersection Rnwy 16-34. 4100' Rnwy 6-24 avail. Equip. at intersection Rnwys 6-24, 16-34 days. Port. rnwy lgts on Rnwy 7-25. Const in progress on new rnwy 1500' SE of intersection Rnwys 6-24 and 16-34 thru intersection to approach end Rnwy 7. Trucks crossing approach end Rnwy 7 days. Const areas lgtd ngts. All Navy facs closed to all trans acft except off. orders and emerg less cross country training. (6-5) Closed until approx July 20 to all Army and National Guard acft not on off. bus. account const. (6-27)
MARSHALL INT, SITE 7, KC-LS-Deep ruts on N half N/S strip. (6-25)
MARYVILLE MUN. ARPT-Use strips only. (9-18)
McFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (2-20)
NEUBEISER OLF (ST. LOUIS)-Use in emerg only (caretaker status - no facs).
ROLLA ARPT-Unsafe hvy acft (soft). (1-15)

MISSOURI:ROSECRANS FLD (ST. JOSEPH)-Use rnwys only-sod areas unsafe. Equip. on fld. days. (4-29)
SIKESTON ARPT-Use rnwys only-parked acft.
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough. Blinding 30 million candle pwr ceilometer in oper on E bndry. (4-29)
TARKIO SITE 10, KC-OH-S 1/3, N/S and E 1/3, E/W strips unsafe heavy acft (soft). (5-5)
VAUGHN ARPT (TRENTON)-1-1/2' ditch each side of strips. (2-26)
MONTANA:BILLINGS ARPT-Army acft rstd from refueling except in extreme emerg. (12-26)
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-Muddy in wet weather. (11-18)
DEER LODGE ARPT-Bcn oper sunset to sunrise. (3-31) See page 5. Equip. on fld. Avail. with ctn. (6-3)
★DILLON-RADIO: **VHF omni-directional rng comm for test purposes at lat 45-12-24, long. 112-36-42. No ident. Not flgt-checked, is unmonitored and should not be used for navigational purposes. (6-29)**
★GREAT FALLS-RADIO: **VHF omni-directional rng comm for test purposes at lat 47-27-08, long. 111-24-40. No ident. Not flgt-checked, is unmonitored and should not be used for navigational purposes. (6-26)**
GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of rnwy shoulders-use 150' center strip. (3-27).
HELENA ARPT-Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. E 200' E/W rnwy closed, mrkd. Right **traffic W winds, left traffic E winds. Traffic 600'.**
HOT SPRINGS ARPT-Rough-muddy when wet. (12-13)
LEWISTOWN ARPT-Use **rnwys only. Rnwy 2-20 being shortened to 6400'. SW 3000' will be discont.** (6-29)
LIVINGSTON MUN ARPT, SITE 10, HL-TWIN CITIES-Formerly carried as Livingston Int. Fld, Site 10, HL-Twin Cities. (4-29) See page 5. Stn KVRI erecting 50' unlgtd antenna pole atop 300' hill 2.5 mi WNW (288° true). (3-11)
MILDRED INT, Site 38, HL-TWIN CITIES-Bcn, bndry, obst lgts avail. sunset to sunrise. (5-7) See page 8.
MILES CITY ARPT-Bndry lgts inop. NW and NE floodlgts inop. (5-7)
MISSOULA CO. ARPT-NE/SW rnwy closed. NW/SE rnwy closed to class B-17 or heavier acft. (2-21)
MOORE ARPT-S end N/S strip rough. (7-30)
POLSON ARPT-Usable with ctn. (7-19)
PONDERA CO. ARPT (CONRAD)-Ctn in wet weather (muddy). (3-31)
POPLAR ARPT-Dangerous when wet. (9-6)
ROUNDUP ARPT-NE 2500' NE/SW strip unsafe-large holes, mrkd. (3-21)
SIDNEY ARPT-Ends of strips in cultivation.
VALLEY CO. ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using. (9-7)
★NEBRASKA CHADRON-RADIO: Stn now gds 3105,4495,6210,3117.5 kcs, 116.1,122.1 mcs. These data rcvd too late for data page. (7-3)
CLAY CENTER ARPT-Use mrkd strips in wet weather, **all way in dry weather. (3-10)**
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (3-10)
CRETE ARPT-Use rnwys only. W 1/2 of E/W rnwy closed. (3-13)
ELGIN ARPT-Haystacks on fld. (3-10)
FREMONT ARPT-Closed Sunday Aug 3, from 1000 to 1800 except last quarter of each hr when it will be open to trans traffic. Closed condition will be indicated by large white X or the large white word CLOSED during the first three quarters of each hr. Avoid race course, pylons on or near fld. Sod areas freshly seeded-unsafe for landing or taxiing when wet. (7-2)
GRAND ISLAND AAF-Blinding ceilometer lctd 1000' N of Admin Bldg. (5-8)
HARMON ARPT (KEARNEY)-Ctn in wet weather. (6-9)
HASTINGS ARPT-Use strips only-soft. (5-24)
★KEARNEY AAF-RADIO: Army H fac temp inop. (1-21) Twr now guards 3105,4495,6210 kcs, 126.18 mc s. (7-3) These data rcvd too late for data page. FLD: No opers office. (3-24)
LINCOLN ARPT-Private acft taxi and park on ramp S of Admin Bldg - stay clear of Airline traffic. (5-1)

[redacted]: McCOOK AAF-Obst lgts discont on 180' twr 2.9 mi SE NW/SE rnwy May 15.(6-26)
NORTH PLATTE ARPT-Army acft rstd from refueling except in extreme emerg. (10-5)
OMAHA ARPT-RADIO: Soon, lclzr and glide path of CAA ILS will be inop. When oper resumed voice and ident. features of lclzr will be inop. (6-18) FLD: Use rnwys only. Rnwy 17R-35L avail. days only. (4-7)
PENDER ARPT-Extreme ctn during wet weather. Lgt acft only. (2-20)
SCOTTSBLUFF ARPT-Taxi strip in E end fld leading to NE/SW rnwy closed. (7-7) These data rcvd too late for ⓪ symbol.
SIDNEY INT, SITE 50, SL-OH-Use rnwys only, bal fld rough. (4-23)
SIDNEY MUN. ARPT-Soft in wet weather. Equip. on fld. (6-18)
[redacted]: BATTLE MTN FLIGHT STRIP, SITE 35, SF-SL-Use paved surfaces only-shoulders soft. Bndry lgts inop. (6-2)
BOULDER CITY ARPT-N edge of SW end NE/SW rnwy soft. Land near ctr of rnwy. (7-2)
DOUGLAS-TAHOE ARPT (MINDEN)-S 700' N/S taxiway closed. (4-2)
FERNLEY INT, SITE 22, SF-SL-Rough with soft areas due to wind erosion, soft sand, marked. Avail. days only. (3-11)
GOODSPRINGS-RADIO: FM temp inop. (6-19)
HAWTHORNE ARPT-Traffic is 1500' outside of city mile square and 600' altitude. Civil acft advised to enter and leave fld by following the main thru hwys and not fly directly over any bldgs. (3-3)
HUMBOLDT INT, SITE 28B, SF-SL-Washes E portion fld dangerous lgt acft, mrkd. (4-5)
LAS VEGAS-RADIO: Mar. 3, VHF rng comm on test basis at lat 36-11-06, long. 115-05-48 Disregard spurious signals.
LAS VEGAS AAF-Bndry, rnwy range lgts in cont ngt oper. Rnwy ctc lgts and neon approach lgts not avail. midngt to 0800 daily. (2-17)
TAHOE SKY HARBOR ARPT (GENOA)-Trans or inexperienced pilots avoid using. (6-5)
••VENTOSA INT, 48, SF-SL-ABANDONED (7-2). See page 24.
YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)
NEW HAMPSHIRE: BOIRE FLD (NASHUA)-Wind sock atop brick hangar indicates wind conditions. In calm air conditions, take-off and land to NW. Unlgtd 34' hangar under const adj to bldgs S border fld. Bcn oper intermittently. (4-4)
BRATTLEBORO-HINSDALE ARPK (HINSDALE)-Use only N/S strip unless familiar with fld. (6-4)
CONCORD ARPT-Lgts Rnwy 3-21 inop. (5-12)
DEAN MEMORIAL ARPT (HAVERHILL)-New strips dangerous when wet. (2-17)
HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-6)
LACONIA ARPT-Safety strips rough. Holes and cave-ins edges E/W rnwy. (4-12)
LAFAYETTE FLD (PORTSMOUTH)-CLOSED (emerg use only)(5-6)
LAKES REGION ARPT (WOLFEBORO)-Turf strip unsafe (flooded areas). (4-7)
NEWPORT ARPT-60' trees N end N/S strip. (10-9)
[redacted]: ATLANTIC CITY-RADIO: VHF rng inop. (6-6)
ATLANTIC CITY NAS-RADIO: Navy GCA inop until approx July 15. (6-25) FLD: Avail. 0800 to sunset. ETA prior to 0800 and after sunset rqrs 24 hr previous arrangement with Opers Officer. (12-11)
ATLANTIC OCEAN-Over-water bombing practice approx 40 mi off shore will be conducted at the following positions: lat 39-47-10, long. 73-26-00; lat 39-22-00, long. 73-25-00. This activity has not yet been cleared with Airspace Subcommittee.
CALDWELL-RADIO: VAR range will be comm soon at lat 40-50-45, long. 74-23-00. Freq. 109.1 mcs. Ident. "NU"- Visual courses: 112°, 292°; aural courses: 22°, 202°. Var. 11° W. Class: VARW. (3-24)
★CALDWELL-WRIGHT ARPT-RADIO: Mun. twr freq changed to 260 kcs., 126.18 mcs. (6-21) FLD: Right traffic when taking off and landing from SW. (4-24)
CAPE MAY CGAS-Closed to trans acft except in emerg. (caretaker status-no facs)
COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (3-3)
HADLEY ARPT (NEW BRUNSWICK)-Use only cinder strips in wet weather. (2-27)
LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Right traffic when taking off and landing to the SW. (5-16)
LINCOLN PARK ARPT-Right traffic N, NW, NE winds. (5-7)
LITTLE FERRY SEAPLANE BASE-Right traffic when taking off to the S. (1-29)
LYNDHURST-Bcn atop N twr Rdo Stn WINS inop. (1-29)
FORT DIX-SEE PAGE 175.

[redacted]: MELLOR-HOWARD SEAPLANE BASE (RIDGEFIELD PARK)-Right traffic when landing to the E. (1-24)
MILLVILLE ARPT-Rnwys incorrectly mrkd. N/S rnwy 18-36 should be 1-19; NE/SW rnwy 4-22 should be 5-23; E/W rnwy 9-27 should be 10-28; NW/SE rnwy 12-30 should be 14-32. Bndry lgts inop. Ctc lgts E/W, N/S rnwys inop. (4-4)
NEWARK-RADIO: SW course 2° SE, bear. 56°. (7-7) Too late for ⓪ symbol.
NEWARK ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-23) FLD: To reduce acft noise over Newark residential area and avoid tall bldg section: (1) Increase rate of climb as much as practicable. 2. N-bound or E-bound acft make left turn as soon as practicable in take-off to SW. (3) Make a half left turn as soon as practicable in take-off to W. (4) Make a half right turn as soon as practicable in take-off to N. Pass at least 500' E of gas tanks lctd in Harrison when making a S approach to the N/S rnwy. (9-7) Closed to all acft without 2-way radio. Landing fee for trans acft now in effect based on weight. All acft must taxi to Registry Office NW side fld and register. E 800' Rnwy 28 rough. Pilots are to make approach for numeral on rnwy. No hangar space for Army acft. 75' lgtd pile driver 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. Ditch 12' E on both sides of an parallel to red approach lgts and overrun on Rnwy 6 extending up to green ctc lgts then continuing from Rnwy 6 to E taxi strip and along E side of same for approx 1500'. Rnwy 1-19 closed. No maintenance facs mil acft. (6-30)
OCEAN COUNTY ARPT (BRETON WOODS)-Const NE/SW strip. (2-25)
REDBANK-Captive meteorological balloon vcnty of Redbank between 2100 and 0600 daily until Sept. 1. Balloon will be released only when the ceiling is 2000' and visibility 5 mi. or better. (7-2)
RED BANK ARPT-Area starting from hwy W 1200' to the intxn of the N/S strip unusable. Closed to acft over10,000 lbs except by prior fone arrangements. (6-5)
SOMERSET ARPT (SOMERVILLE)-On W take-off start left turn as soon as practicable. On NW take-off make gentle right turn as soon as practicable followed by wide left hand pattern. (3-16)
TARRYTOWN SEAPLANE BASE-Right traffic when landing and taking off during S winds. (6-25)
TETERBORO AIR TERMINAL (BENDIX)-Const. Pilots using fld do so at their own risk. Rdo rcvrs rqrd all acft using fld. Unsurfaced taxiways rough. 400' min. ceiling with 1 mi. visibility authorized for non-scheduled air carrier take-offs under IFR conditions. S taxi strip closed-const. Rnwy 6 closed to all trans acft-const. (6-16)
[redacted]: ALAMOGORDO AAF-RADIO: Army range inop. (6-6) FLD: Wind tee inop. Closed to all trans acft except on orders from CG, AAF; CG, AMC; or CG, SAC. Acft will not carry passengers not listed on orders to this fld. Opers and svcg avail 0730 to 1600 Mon thru Fri. only. (6-6)
ALBUQUERQUE ARPT-Used by WAA. Avail. only for delivery surplus acft, prospective purchasers of surplus acft or parts, or in emerg. E/W rnwy closed. (4-18)
CLOVIS AAF RADIO. Army rng, twr to be discont July 26. AACS air gnd stn will remain in oper. (5-27). Army twr opers in emerg only. (7-1) FLD: No opers office. Emerg landings only ngts. (5-21)
CONDRON FLD-See notice under White Sands Proving Ground, N.M.
CREWS FLD, SITE 42, EO-PU (RATON)-Avail. days only. (3-18)
GALLUP ARPT-E/W rnwy closed. (3-18)
GALLUP CITY ARPT-ENE/WSW strip under const. (3-18)
HOBBS AAF-Rnwys 3-21, 12-30 closed. Ltd svcg, maintenance. No maintenance 1630 Fri. to 0730 Mon. (3-12)
HOBBS MUN ARPT-Allway landing area rough. Heavy acft use rnwys only. (3-18)
JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)
KIRTLAND FLD (ALBUQUERQUE)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile grnd traffic. (4-5)
LAS VEGAS-RADIO: Soon, rng will be shut down days for installation of auto. rng monitor. sys. (6-3)
LAS VEGAS ARPT-Use rwys only, bal fld unsafe. (2-21)
LOS ALAMOS AIRFLD-CLOSED Landing permission must be obtained from the Area Manager, U.S. Atomic Energy Comm., Santa Fe Area, P.O. Box 1539, Santa Fe, N.M. (5-15)

[redacted]: LOVINGTON ARPT-Cattle on fld. (9-16)
MAGDALENA MUN ARPT Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (3-18)
OTTO INT, SITE 74, LA-AQ-Unsafe lgt acft-rough. (6-18).
PARKER FLD (RUIDOSO-FT. STANTON)-Cattle on fld. (9-16)
ROSWELL-Inten inst train. on Roswell Rdo Rng below, above, and in overcast. Acft inbound to Roswell or operating in vcnty under IFR, contact Roswell Radio for instructions.
ROSWELL AAF-Ltd parking. (2-16)
SANTA FE ARPT, new-Army acft rstd from refueling except in extreme emerg. (1-15)
•TRACY FLD (CARLSBAD)-ABANDONED. (7-7). Rec d too late for inclusion in Directory and Flight Planning Chart. See pages 104 and 120.
TULAROSA ARPT-Use E/W strip only. (9-16)
WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condron Fld, White Sands Proving Ground will be cleared to Biggs Fld, Tex., and will obtain permission and instructions from Biggs Fld Opers before landing at Condron Fld. When Condron Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by rdo prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condron Fld. (10-14)

NEW YORK: AERO LAKE SEAPLANE BASE (KINGSTON)-Right traffic when wind from the N. (5-27)
ALBANY ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile grnd traffic. (6-22). FLD: Equip. on fld intermittently. (2-22)
AMSTERDAM ARPT-CLOSED (soft). (4-11)
BATH-HAMMONDSPORT ARPT (HAMMONDSPORT)-Right traffic for landings and take-offs to the W. Use strips only-newly seeded sod, slippery when wet. (6-23)
BENDER-BRENTWOOD FLD (BRENTWOOD)-Const on fld-ctn. (2-18)
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO-RADIO: Auto. rng monitor. sys inop. (6-29) Rng figt-checked May 30, NE course 4° NW, bear. 226°.
BUFFALO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-26) FLD: Acft entering and departing Buffalo traffic zone use ctn-new arpt 4000' ESE. Rnwys and taxi strips mrkd with black flags for winter opers. (5-30)
CHEMUNG CO ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control lcl traffic and at other times when circumstances make such practices consistent with safety. (2-22)
CHRISTIE ARPT-Fld soft. Closed to trans acft. (3-8)
COLUMBIA AIRFLD (VALLEY STREAM)-Closed to all Navy acft except in emerg. (5-13)
COXSACKIE-RADIO: FM to be comm on S course of Albany, N.Y. rng, ident. 2 dots, 3 dashes. (7-1)
FLOYD BENNETT FLD NAS (NEW YORK)-Avail. 0800 to sunset. Avail. to transport traffic after sunset upon receipt of 2 hrs prior req of ETA. (5-18)
FLUSHING ARPT-Right traffic on N and NW, wind from 315° to 360°. All turns to left on ground. (3-28)
FORT PLAIN INT, SITE 40A, CV-AZ-Safe for middle weight twin-engine acft. SE 700' NW/SE SW 300' NE/SW strips soft and rough. Dangerous areas mrkd. (7-7)
FULTON ARPK-Right traffic when landing S and SE. (3-31)
GLOVE CITY ARPT (GLOVERSVILLE)-CLOSED (deep mud)(4-10)
HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HYLAN FLD (ROCHESTER)-Use strips only-ctn when wet. (5-18)
IDLEWILD-RADIO: Rng figt-checked July 7, SW course 2° SE, bear. 40°. CAA ILS comm Apr 9, for purposes of pilot training and familiarization only. Hrs of oper: 8:30 to 5:00, Mon.-Fri. Serves Rnwy C (ENE/WSW), with approach from WSW. Mag. heading for landing: 72°. Lclzr freq 109.5 mcs., ident. "NY". Glide path freq. 332.6 mcs, angle: 2.6°. Outer mrkr lctd 5.8 mi from end of Rnwy C, keyed 2 dashes per second. All acft utilizing this installation must clear with Navy twr at Floyd Bennett Fld. Idlewild Arpt is under const and minimum alt. permitted during simulated approaches will be 200'. (4-11)
IDLEWILD ARPT-Not yet opened-const. (3-13)
ISLIP-RADIO: Comm. of VHF rng has been indefinitely postponed. (5-2)
ITHACA ARPT-Right traffic pattern in use. (3-3)
KINGSTON ARPT-Right traffic when wind from S. (5-27)
KINGSTON-ULSTER ARPT-ESE-WNW strip closed. (3-20)

[redacted]: LA GUARDIA FLD (NEW YORK)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (3-25) FLD: ARMY ACFT HAVING OFF BUS. WITH HQ ATLANTIC DIV ATC FT TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. with Cmdr Eastern Sea Frontier or Hdqs 3rd Naval District when RON or refueling services not rqrd. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVAL ACFT USE NAS FLOYD BENNETT. 10 high, 40 long obst 190° N of NE/SW rnwy, lgtd. Obst lgts atop lclzr shack approach end Rnwy 22 and end Rnwy 4. 20 lgtd bldgs 300 E of NE end NE/SW rnwy. 40 GCA truck and trailer 500 W of intersection Rnwys 4-22 and 13-31, mrkd. 25 derrick operating in Bowery Bay vcnty of approach to Rnwy 9 until approx July 25, lgtd. (6-10) Port of New York authority advises that no four-engine acft carrying passengers or cargo shall use Rnwy 18-36 for landings or take-offs. (6-5)
••MAC ARTHUR ARPT (ISLIP)-Hi-intensity lgts lctd SW end NE/SW rnwy comm July 2, 1947. See page 70. (7-2) Rnwy 14-32 closed (cable being installed). Acft use ctn-unconventional figt test oper. Equip. on fld days. (7-7)
MASSENA-RADIO: VHF range unmonitored. (7-7)
MASSENA-156 twr Rdo Stn WMSA lctd 3 mi SW (232° true) temp lgtd with red lgts on top. Upon completion lgtg facs will consist of 300 mm flash. bcn atop and four side lgts; two at 1/3 level, 2 at 2/3 level.
MASSENA ARPT-Use rnwys, taxi strips only-turf rough. (2-21)
MITCHEL FLD (HEMPSTEAD)-RADIO: Oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 18-36 closed. (4-25)
NANTICOKE VALLEY ARPK (MAINE)-Flares avail. in emerg. (3-17)
NASSAU ARPT (HEMSPTEAD)-Fld not maintained. (6-28)
NEW HACKENSACK ARPT CLOSED (3-10)
NEW YORK-SPECIAL NOTICE-New traffic control procedures entitled "Instrument Figt, New York Metropolitan Area", see Special Notice, page 152.
NEW YORK-Each week end, weather permitting, between the hrs of 0900 Sat and 1600 Sun, Naval acft from NAS N.Y. will conduct live gunnery runs and practice bombing in the following areas over New York Harbor: beginning at lat. 40-36, long. 73-15; to lat. 40-49, long. 72-30; to lat 40-00, long. 72-30; to lat. 40-00, long. 73-15; thence to point of beginning. (2-6)THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.
NEW YORK-SPECIAL NOTICE-All aircraft operating in the vicinity of Upper Manhattan, New York City, New York, avoid flying over or near Lewisohn Stadium, 157th and Amsterdam Ave., between the hrs of 2000 and 2300, June 16 to Aug. 9. Lctn just E of the Hudson River Midway between the NW corner of Central Park, and the E end of the George Washington Bridge. (6-20)
NEW YORK CITY-See Special Notice "Restriction on Flight of AAF Acft in New York City Area".
NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod) Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2100 to 0700. (6-16)
NYACK SEAPLANE BASE-Right traffic on N take-offs. (6-25)
OLEAN AIRPORT-Fld hazardous. Keep off graded rnwy. Fone prior to using. (3-6)
PENN YAN ARPT-Ctn at N/S and E/W intxn. Soft in wet weather. (3-4)
RANDALL'S ARPT (MIDDLETOWN)-Fld soft in wet weather. (3-1)
REPUBLIC FLD (FARMINGDALE)-Closed ngts. No lgt facs. (3-3)
RIDGEWAY ARPK (ROCHESTER)-Use rnwys only-extreme ctn in wet weather. (3-27)
ROCHESTER ARPT-Use rnwys only-soft. No hangar space. Equip. on fld days. (2-24)
ROCKLAND ARPT (NEW CITY)-50' unlgtd pole immediate vcnty of arpt. (6-5)
ROME AAF-Traffic alt 1500' MSL Right traffic pattern Rnwys 6,33, left traffic pattern Rnwys 10,15,24. Hospital 3/4 mi from Rnwy 28-avoid if possible. Clump of trees 125' to left and 700' from end of Rnwy 24. (4-18)
ROSS ARPK (PULASKI)-Use center of rnwys only. Sides soft. (4-5)
RYE-RADIO: MH fac placed in oper for test purposes only at lat 40-58-28, long. 73-43-11 12.6 mi from La Guardia Rng Stn on the NE leg. Freq. 254 kcs. Ident. "RYE". Class: MH. (6-25). Disregard signals from this fac.

ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100, for each violation. Closed to heavy acft.
SALAMANCA ARPT-Right traffic when taking off and landing into the W. (5-7)
SARANAC LAKE ARPT-Use rnwys, taxi strips only-turf rough. (11-27)
**SCENICAIRE PARK (GENEVA)-Correct location: lat. 42-48-30, long. 76-59-30. See page 52.
SCHENECTADY CO. ARPT-Equip. on fld intermittently. Use rnwys only, grass areas soft. (3-26)
SCHOHARIE CO ARPT (RICHMONDVILLE)-Right traffic when landing to the E. 800' mtn directly N of fld. (5-8)
SCOTT FLD (LANCASTER)-CLOSED (6-6)
SHAWNEE FLYING SERVICE (NORTH TONAWANDA)-Glider activity, including airplane and auto tow in progress during the summer and autumn months. (6-12)
SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const-NE/SW avail. with ctn.(2-21)
SILVER CREEK ARPT-CLOSED (const)(6-12)
SMITHPORT INC. (UTICA)-Use paved rnwy only. (5-9)
STEWART FLD (NEWBURGH)-No Army acft will be cleared this fld under IFR. (4-4)
SYRACUSE MUN ARPT-Turf areas soft after heavy rains. (6-13)
SYRACUSE ARPT-About Sept 1, approach lgt lane will be comm E end E/W rnwy. (7-3)
TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (2-25)
TROY ARPT-Bcn inop. (10-10)
UTICA ARPT-Pipe line installations NE side of fld, mrkd. Equip. on fld days. (6-19)
VALLEY AIR PARK (MIDDLEBURG)-Fld soft. Right traffic when landing to NW. New strip under const. Present strip will have equip. on it all summer. (3-17)
WALLINGTON ARPT (SODUS)-Wires S end N/S strip, orchard N end. Equip. on fld. Avail. lgt acft only. Ctn when wet. Avail. days only. (5-29)
WARREN CO ARPT (GLENS FALLS)-Equip on fld intermittently days. (5-27)
WATERTOWN-RADIO: VHF range unmonitored. (7-7)
WERLE FLD (DUNKIRK)-Scattered ruts on fld, mrkd. (6-19)
WESTCHESTER ARPT INC. (ARMONK)-Const, tree removal equip. trucks on fld. (4-15)
★WESTCHESTER CO ARPT (WHITE PLAINS)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (6-6)
WINGDALE ARPT-Avail. lgt acft only-rough. (3-21)
ZAHNS AIRFLD (AMITYVILLE)-Right traffic when landing and taking off to the N as P84 Jets are flying from Republic Field. (5-8)
[redacted] ASHBORO ARPT-220' twr Rdo Stn WGWR being erected 6.5 mi NNE (13° true), temp obst lgtd. (5-14)
ASHEVILLE-RADIO: Ctn - VHF rng unmonitored. Unattended and should not be used for navigational purposes.
ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy, approach all rnwys with ctn, equip. on fld. No radio facs. (1-7)
ATLANTIC MCAAF-Use in emerg only (caretaker status-no facs)
BALLOON FIELD NO. 1 (FORT BRAGG)-CLOSED TO ALL ACFT. No Army maintenance.
BOGUE MCAAF-Use in emerg only (caretaker status-no facs)(4-16)
BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (12-6)
BURLINGTON ARPT-N/S strip and all sod area unusable. Use rnwys only. (2-20)
CAMP LE JEUNE-Camp Davis-Cherry Point-Strafing, bombing and guided missiles range has been redefined within the following described area: beginning at lat 34-42-00, long. 76-46-00; SE to lat. 34-25-00, long. 76-35-00; S to lat. 34-15-45, long. 76-36-00; SW to lat. 33-50-00, long. 77-30-00; NW to lat. 34-15-39, long. 77-46-18; NE to lat. 34-37-00, long. 77-29-00, NW to lat. 34-42-00, long- 77-23-40; thence to point of beginning.
CAP AIRPORT - (RALEIGH)-S 200' N/S strip unusable. SW 1400' NE/SW strip under const. (2-10)
EDENTON NAS-Use in emerg only (caretaker status-no facs)
ELIZABETH CITY CGAS-Stay on rnwys-shoulders soft, rough. Closed ngts from 1900 to 0700 except on prior arrangement. Civil acft use only in emerg or with prior permission of the CO. Closed to acft exceeding 60,000 lbs gross weight. Rnwy 5-23 closed. Equip. on fld. (6-13)
FORT BRAGG-Heavy firing is being conducted in all sections of Ft. Bragg danger area Chart 95 herein. Inten training days with rdo control target planes from fld 6 mi due E of N end Pope Fld. Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute.
GASTONIA MUN ARPT-Training program consisting of from 2 to 6 acft in progress ngtly during CFR conditions. All flights conducted below 3000'. (1-29)
GREENSBORO-HIGH POINT ARPT-Use rnwys only. (6-26)
HICKORY-RADIO: Ctn-VHF range unmonitored, unattended and should not be used for navigational purposes.
KINSTON ARPT-Avail. civil acft only in emerg. (11-13)
NEW BERN-RADIO: Visual-aural VHF rng completely shut down May 1, for freq. change. (5-22)
POPE FLD (FT BRAGG)-RADIO: Oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) Army rng unreliable; all courses swinging and NW and SE courses too wide on on-course signal. (5-12) FLD: CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAY RDO-USE AUX FLD 2 MI S, AT FT BRAGG. 73 oct. avail. that fld. (1-31)
★RALEIGH-DURHAM ARPT-RADIO: July 2, CAA twr freq changed to 266 kcs., 126.18 and 118.3 mcs. FLD: ILS and transmitter bldgs 900' from NE end NE/SW rnwy. Glide path unit 400' S centerline and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obst. mrkd. Use rnwys, taxi strips only. Tetrahedron uncontrollable-free swinging. (6-21)
ROANOKE ISLAND ARPT (MANTEO)-Bcn inop. (10-4)
ROCKY MOUNT-RADIO: Ctn-VHF rng not monitored, unattended and should not be used for navigational purposes.
SEYMOUR-JOHNSON FLD (GOLDSBORO)-Use rnwys only-shoulders soft.
SMITH REYNOLDS ARPT (WINSTON-SALEM)-N/S rnwy lgts very dim. E/W rnwy under const-closed. (6-4)
**STATESVILLE ARPT-Correct lat 35-45-45, long. 80-57-00. 3.6 WSW. (6-24). See pages 92 and 94.
THOMASVILLE ARPT-Ctn-strip rolling. (3-25)
WEEKSVILLE NAF-LTA-Avail. HTA and LTA acft from 0800 to 1630, all other times by prior arrangement with the CO or Operations Officer. (2-27)
WILMINGTON-RADIO: Ctn-VHF rng not monitored, unattended and should not be used for navigational purposes.
★WINSTON-SALEM-RADIO: Rng stn converted to a type SMRLWZ. (7-2). Voice fac will be added at a later date.
NORTH DAKOTA
BISMARCK-RADIO: 116.1 mc transmitter and rcvr temp inop. (6-18)
BISMARCK ARPT-Usernwys only. Crash and fire fighting equip. avail. 0800 to 1900 only. 12' bldg and trenching opers in vcnty SE end NW/SE rnwy, mrkd. Equip. on fld intermittently. (5-14)
CHANDLER ARPT (WILLISTON)-Use strips only, bal fld rough. (5-10)
DAWSON INT. SITE 63, HL-TWIN CITIES-CLOSED (water, mud on fld) (3-24)
FARGO ARPT-HECTOR FLD-Weather below CFR minimums indicated by oper of bcn days and flash. tetrahedron lgts ngts. (6-18)
GRAND FORKS ARPT-Thirty 50' tanks adj to NE corner fld, temp lgtd. Use rnwys only, soft shoulders. (5-6)
PEMBINA INT, SITE 14A, FO-WG-Closed to acft over 5000 lbs. Use rnwys only. (6-4)
VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES-Equip. W end of taxi strip. (7-3)
[redacted] AKRON ARPT-Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg. on arvl and dptr. Ltd svcg facs only. (5-1)
AKRON-CANTON ARPT-CO FLD (CANTON)-Use rnwys only. No down-wind taxiing on rnwys. Equip. on fld days. (5-7)
BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)
BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to N, W, and SW. (3-1)
BROOKLYN ARPT (CLEVELAND)-Trans acft land at own risk. (2-22)
BRYAN-DEFIANCE MEMORIAL ARPT (DEFIANCE)-NE/SW runwy under const. 50 pot torches on E/W rnwy avail. for ngt landings on prior req. (2-26)
CEDAR LAWN ARPT (KENTON)-Use strips only. (6-26)
CHARDON ARPT Use rnwys only. Soft in spring rainy season. (5-13)

[redacted]: CINCINNATI ARPT, INC (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. Land with wind tee regardless of wind direction. (11-26)
CLEVELAND-RADIO: VHF omni-directional rng comm without voice. Oper cont. Lctd at lat 41-27-00, long. 81-58-17. Freq. 113.9 mcs. Ident. "CV". Class: VORW. CTN-UNMONITORED;
CLEVELAND ARPT-Trans pilots must register in Term. Bldg upon arvl and dptr. Landing fee on all civil multi-engine acft. (6-23)
★CLINTON CO AAF (WILMINGTON)-RADIO: Army twr now transmits on 272 kcs, 126.18, 137.88 mcs. (6-30) FLD: Rnwy lgts avail. on 1 hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC center upon entering or prior to dptr from ATC area. Inten inst train. being conducted, for danger area outline see Chart Columbus 63. Balloon 6' diameter, 25' long will be hoisted to 25' MSL before during and after thunderstorms at approx lat 39-11-00, long. 83-47-00. (5-15)
DAYTON ARPT-RADIO: CAA ILS shut down to add voice and ident to lclzr. When oper resumes sys will consist of lclzr, glide path middle mrkr and compass lctrs. (6-11) FLD: Sod area W Rnwy 18-36 rough-use in emerg only. At ngt and during wet weather use rnwys only. (5-10)
FAIRFIELD-RADIO: Army FM unreliable. (2-17)
GRIESER ARPT (WAUSEON)-Use strips only. (7-3)
GRIMES FLD (URBANA)-Use strips only. Land according to wind tee lctd in center of fld. (3-1)
LAKEVILLE ARPT (CONNEAUT)-Closed to heavy acft. Ctn in wet weather. Use strips only. (3-27)
LAKEWOOD ARPK (CINCINNATI)-Right traffic E, left traffic W. (2-23)
LANSDOWNE ARPT-Rough-land with ctn. Soft in wet weather. (5-13)
LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (12-30) FLD: Equip. all rnwys 0800 to 1700 Mon to Sat until Aug. 31. (6-4)
LORAIN SKYPORT-Trans acft avoid fld in wet weather. (5-13)
LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Rnwy 6-24 (3-28)
MANSFIELD ARPT-Use rnwys, taxi strips only. Equip. on fld (const). Temp 25' pwr line erected along W side fld S of hangar line. (5-2)
MARION ARPT-Use only NE/SW, NW/SE strips W side fld. NE/SW, NW/SE strips extend into cultivated area W end fld. (6-4)
McKINLEY ARPT (CANTON)-80' twr NW corner fld. (4-28)
MEDINA PRICHARD ARPT (MEDINA)-E/W, NE/SW strips closed. Land N-S in W portion of sodded fld. Watch where local acft land. (2-3)
MIDDLETOWN ARPT-Right traffic pattern taking off to S, SW and W.
NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)
OHIO STATE UNIVERSITY ARPT (COLUMBUS)-Const. Trans use rnwys only. (2-26)
PARKS WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E, NE, SE. (3-3)
PATTERSON FLD (FAIRFIELD)-RADIO: Army ILS (SCS-51) inop. (6-2) FLD: Equip. on fld. Line of telephone poles 50' high near approach Rnwy 34, lgtd. Rnwys 3-21, 7-25 clsd. 16-34 only avail. (4-21)
PAULDING ARPT-Soft when wet, land at own discretion. (2-26)
PORT COLUMBUS-NAS (COLUMBUS)-RADIO: Compass lctrs at middle and outer mrkr sites of CAA ILS will be comm soon. (5-22) FLD: Use rnwys only-grass areas rough. Glide path and neon approach lgts not operating pending removal of obstr in approach lane. 30' port twr on Curtiss Wright taxi strip W side fld 800' from E/W rnwy and 800' from NW/SE rnwy until approx Oct 7 between 0800 and 1700. No fugl for trans mil.acft. (7-3)
RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)
REED'S FLD (WATERTOWN)-Acft use ctn in wet weather. (5-13)
SKY HAVEN ARPT (NORTHFIELD)-Ctn when wet. (2-24)
STOMBAUGH ARPT (BRYAN)-Ctn wet weather. Use rnwys only. (2-20)
STOUT FLD (MORTH KINGSVILLE)-E/W strip closed. (6-1)
TAYLORCRAFT ARPT (ALLIANCE)-No rdo. Left traffic 800' pattern. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots must register in Opers Office upon arvl and prior to dptr. (5-18)
TOLEDO-RADIO: Ctn - VORW RANGE UNMONITORED.
TOLEDO ARPT-Equip. on fld 1500' S intxn. Wind tee free swinging. All sod landings parallel to active rnwy. About July 15, bndry lgts on E, W, and S sides of fld will be discont.

[redacted]: VAN WERT ARPT-Unsafe heavy acft. Lgt acft land with ctn. Soft when wet. (5-1)
WARD ARPT (BEDFORD)-SW end NE/SW strip under const. Strips unusable during thaws. (3-2)
WELLINGTON-RADIO: VARW rng unmonitored, and without automatic standby equip.
WELLINGTON ARPT-Right traffic on S and SW rnwys. Const N end N/S rnwy. Closed during thawing weather. (3-13)
WILLOUGHBY ARPT-New NW/SE strip under const. Use with ctn. (3-13)
WRIGHT FLD (DAYTON) - CLOSED TO ALL TRANS ACFT EXCEPT IN EMERG. All trans Army and Navy acft use Patterson Fld. (3-18)
YOUNGSTOWN-RADIO: CTN-VORW RANGE UNMONITORED.
YOUNGSTOWN ARPT-Use rnwys only. Equip. on fld. (3-13)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron lgts on req only. (6-24)
[redacted]: ALTUS AAF-Avail. only for delivery surplus mil acft or in emerg. Equip. on and near N/S rnwy. (3-17)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg. only. No fuel or svcg avail. trans acft-use Ardmore Arpt, Site 10, FV-WD. Inten ctc and inst train. in progress Use rnwys only. (5-27)
CADDO FLYING SERVICE (FT COBB)-Use with ctn when wet. (3-9)
CIMARRON FLD (YUKON)-Now a WAA Sales and Sto. Center. No svcg, repairs or overnight sto. Planes parked on fld. 4 strips indicated by pylons and mrkrs. Lime markings center of each strip. (3-17)
COUNTRY CLUB ARPT (OKLAHOMA CITY)-Only N/S, NW/SE strips avail. (3-17)
GAGE-RADIO: Soon, weather permitting, rng will be shut down days for installation of auto. rng monitor. sys. (6-3)
••GRANDFIELD MUN-Formerly carried as Grandfield #3. Lat 34-14-15 long. 98-44-30. (11-6). See page 84.
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
HATBOX FLD (MUSKOGEE)-Use rnwys only-parked acft.
IDABEL ARPT-Avoid S 1/3 N/S strip after heavy rains. (2-28)
LAWTON ARPT-Obst lgts inop. Bndry, flood lgts on req. (3-17)
MAX WESTHEIMER FLD (NORMAN)-Avail. all acft up to 30,000 lbs days only. Lcl traffic avoid flying over bldg area and corporate limits of Norman. (3-17)
NUCKOLS FLD (OKLAHOMA CITY)-Use rnwys only. (1-14)
OKLAHOMA CITY-RADIO: About July 22, rng and voice commun will be shut down for modernization. (7-7). Too late for ⓞ symbol.
★PHILLIPS FLD (BARTLESVILLE)-RADIO: Mun twr freq changed to 388 kcs. (6-24)
POST FLD (FT SILL)-All except liaison acft use rnwy. Rnwy unlgtd; closed ngts. Const. equip. on fld. Bcn atop water twr inop. (3-7)
ROOSEVELT-RADIO: Ctn - VHF rng unmonitored. (4-10)
SHAWNEE ARPT-Use rnwys, taxi strips only. (3-17)
STILLWATER ARPT #1-325' twr Rdo Stn KSPI being erected 4 mi SSE (160°true). (2-20)
TINKER FLD (OKLA CITY)-RADIO: Army rng reliable for homing only. (6-11) FLD: Use rnwys, taxiways only. Stored acft adj rnwys. W ramp congested. 6' obstn N end N/S rnwy 100' off center. (6-11)
★TULSA ARPT-RADIO: Glide path of CAA ILS recomm and monitored. Relctd to 900' from S end of N/S rnwy 400' from centerline of N/S rnwy. (6-30) FLD: Pilots without rdo watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only. (3-25)
WILL ROGERS FLD (OKLA CITY)-RADIO: About July 15, lclzr and glide path of CAA ILS will be shut down for approx 3 days for installation of compass lctrs. (6-24). FLD: Bndry lgts inop-ctc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 type acft. Use rnwys, taxi strips only. (4-9)
WOODRING FLD (ENID)-Use rnwys only. (8-5)
[redacted]: BAKER-RADIO: Following repairs, rng aligned by gnd check only. (7-3)
BAKER AIRPORT-Use rnwys only. (5-20)
BEND ARPT (old)-Usable in emerg. (5-2)
COASTWAY SCHOOL OF AERONAUTICS (TILLAMOOK)-Right traffic W takeoffs and landings. (3-17)
★EUGENE-RADIO: VHF omni-directional rng comm for test purposes at lat 44-11-25, long. 123-13-08, 4.4 mi N of Mahlon Sweet Arpt. Freq. 112.9 mcs. No ident. Class: VORW Not flgt-checked, is unmonitored and should not be used for navigational purposes. (6-27)

OREGON: GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade.(6-5)
HOOD RIVER ARPT-Avail. lgt acft. Soft when wet. (3-13)
KLAMATH FALLS ARPT-Rnwy lgts Rnwy 7-25 inop. (2-19)
LEXINGTON ARPT-Right traffic when landing to the E. (4-28)
MAHLON SWEET FLD (EUGENE)-Equip. on fld. Use rnwys only. (5-2)
MEDFORD ARPT-RADIO: Oper of AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Use rnwys, taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10 mph. No bndry or flood lgts. No maintenance mil.acft. (3-12)
ONTARIO-RADIO: 122.1 mc rcvr temp inop. (6-10)
PENDLETON-High explosive demolition being conducted approx 30 mi NW within the following described area: beginning at a pt. 1 mi W of the Union Pacific RR crossing over the Umatilla river 4.5 mi SW of Hermiston, thence 5.25 mi N, thence 6.5 mi W, thence S to an intersection with the Union Pacific RR at a pt. 6.5 WNW of pt. of beginning.
PILOT ROCK ARPT-Usable lgt acft. (5-2)
★PORTLAND-RADIO: VHF omni-directional rng comm for test purposes at lat 45-32-18, long. 122-54-15, 1.8 mi E of Hillsboro Arpt. Freq. 117.9 mcs. No ident. Class: VORW. Not flgt-checked, is unmonitored and should not be used for navigational purposes. (6-29)
PORTLAND ARPT-RADIO: Glide path of CAA ILS flgt-checked, oper normal. (6-19) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-24) FLD: Acft landing this fld must have workable 2-way rdo. (5-20)
ROSEBURG INT, SITE 41A, SF-SA-Unlgtd 100' pole 1200' S, 300' E of bndry. (12-3)
SANTIAM JUNCTION FLIGHT STRIP (IDANHA)-Land to the E, take-off to W. (3-13)
SEASIDE ARPT-Right traffic S take-offs and landings. (3-17)
SUTHERLIN SKY RANCH ARPT-CLOSED. (6-14)
THE DALLES ARPT-NE/SW rnwy unlgtd. Rnwy 2-20 closed. (6-12)
TILLAMOOK NAS-Rot. bcn operates from sunset to sunrise and during IFR conditions. Ctn during low visibility. High terrain surrounds stn in all quadrants. (2-13)
TROUTDALE ARPT-Parked acft. (3-13)
TULANA ARPT (WORDEN)-Soft when wet. Pilots use at own risk. (5-2)
••PENNSYLVANIA: ALBERT ARPT (PHILIPSBURG)-5.5 NW; rd N. Formerly carried as Albert Arpt (Wallaceton) 3 ENE; rd N (6-25) See page 50
ALLEGHENY CO. ARPT (PITTSBURGH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-17) FLD: N/S rnwy closed. Equip. on fld, mrkd. Closed to non-rdo-equipped acft. Truck and trailer N edge NW/SE rnwy, lgtd. Flash. ident. bcn inop. Exten repairs on all rnwys and taxi strips, mrkd. (5-28)
ALLENTOWN-RADIO: VHF range to be decomm about July 10.
ALLENTOWN-BETHLEHEM ARPT-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9,14,18 inop. 150' twr Rdo Stn WSAN being erected 7 mi S (180° true) (3-20)
BARRETT ARPT (CANADENSIS)-CLOSED. (const). (12-18)
BEAVER FALLS-Patterson Heights Arpt-1.5 mi S Beaver Falls is not under const, entirely avail. New fld, Beaver Falls Arpt closed-under const and soft. (3-30)
••BETHELEM-Caution area has been estab. approx. 6 mi SE within the following described area: beginning at lat. 40-35-30, long 75-17-00; E to lat. 40-31-30, long. 74-51-00; SW to lat. 40-16-30, long. 75-15-00; N to pt. of beginning.
BETHLEHEM-EASTON ARPT (EASTON)-Right traffic when taking off to SW, W and NW. (1-2).
BLAIR CO. ARPT, SITE 24A, CO-PG (MARTINSBURG)-Use rnwys only. (4-8)
••BLUE SWAN ARPT (SAYRE)-Formerly carried as Valley Arpt. See page 52.
BUTLER-ALAMEDA ARPT (BUTLER)-Pilots avoid hospital area adj arpt. Use right traffic on W take-off. (3-14)
CARLISLE ARPT-NW/SE strip under const. Use ENE/WSW strip only. (3-11).
CECIL-RADIO: Visual and aural FM signals reported in vcnty of Imperial, Penn. (6-15)
CHEMUNG VALLEY ARPT (ATHENS)-Right traffic when taking off or landing to the W and E. 500' extension E end E/W strip under const. Soft when wet. (2-21)
CLEARFIELD ARPT-Right traffic when landing or taking off to the E, NE and SE. (4-3)
CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. Lgt acft may land in grass area immediately S of E/W rnwy-avoid area in wet weather. Pwr lines E. (3-10).
DALEVILLE ARPT-Right traffic used on S to SE take-off.
EMLENTON ARPT-CLOSED. (5-28).
EMMAUS ARPT-Correct lat 40-32-00, long 75-31-15. See page 66.

PENNSYLVANIA:
GREATER PITTSBURGH ARPT (PITTSBURGH)-First 500' Rnwy 23 and first 600' Rnwy 14 closed. Ltd transportation. (6-2).
GREEN ACRES ARPT (BEAVER MEADOWS)-Strips soft when wet, use sodded area only. Const N/S rnwy. Use NW/SE, E/W, NE/SW strips. (2-21).
HARRISBURG STATE ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-19). FLD: Use rnwys only. (3-12).
JOHNSTOWN ARPT-Use rnwys only. Army Reserve Training Sundays. (5-10).
KAISER FLD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only. (3-13).
LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd-stay between red flags. Sinkhole extreme E end E/W strip-2 holes S end N/S strip, mrkd. (3-12).
LANSDALE ARPT-Right traffic when taking off to the E. (5-7).
MIFFLIN CO. ARPT (REEDSVILLE)-NW/S E strip under const. (5-21).
MILLARD ARPT (ANNVILLE)-Sod area soft-use strips only. (5-12).
MT. POCONO ARPT, SITE 21, BJ-LG-Ruts along extreme S E side NE/SW rnwy-Use ctn when taxiing this area. (3-24).
MT. UNION ARPT-Left traffic 600' pattern. Student training. Land according to wind tee S end fld. Wind sock atop hangar. In wet weather, use only rnwys, taxi strips. (3-13).
MUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familiar with fld and surrounding obsts. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Arpt for ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. Rnwy 14-32 closed 1500 to 1930 for evaluation tests. (6-20).
OLMSTED FLD (MIDDLETOWN)-Ngt landings hazardous. Obsts adj fld. 81' high tension wires across approach zones Rnwys 29, 14. Lgtd obsts between Rnwys 29, 32, approx 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgtd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to B-29 opers. Use rnwys 11, 32 for ngt landings. Closed to P-80 oper except in emerg. (7-2).
PHILADELPHIA NORTHEAST ARPT-Use rnwys only. Trans pilots must register in Admin Bldg on arvl and dptr. (5-16).
PHILADELPHIA SOUTHWEST ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-14). FLD: Closed to non-rdo-equipped acft except in emerg. Const on fld. Use rnwys only. Use ctn in taxiing. Unlgtd poles approx 20' high across approach to Rnwy 9 approx 1200' W of approach end of rnwy. Other unlgtd poles 45' high in const area W and NW of arpt-clear of approaches. (6-4).
★PITTSBURGH-RADIO: D/F stn rcvs on the following freqs: 3105,4122.5,4495,4937.5,5572.5, 5612.5,5697.5,6210 kcs. All data are relayed thru Pittsburgh Commun. Stn. Cont oper but bearings on req only. Pilot calls Pittsburgh Rdo and requests DF assistance. Acft communicator will then advise pilot of mag. bear. towards the stn and intervals for making calls. (7-3).
PITTSBURGH-BETTIS ARPT-Right traffic on NE and NW rnwys. (3-14).
PITTSBURGH-BUTLER ARPT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (3-14).
★PORT ERIE ARPT (ERIE)-RADIO: CAA ILS comm without voice June 20, serving the NE/SW rnwy. Approach bear. 50°. Lclzr lctd at lat 42-05-03, long 80-10-15. Glide path lctd 260' SE of centerline of NE/SW rnwy, 700' from SW end NE/SW rnwy at lat 42-04-35, long 80-11-00. Angle: 3°. Middle mrkr lctd at lat 42-04-18, long 80-11-42; outer mrkr at lat 42-02-18, long 80-15-15. Entire ILS controlled from Erie Commun Stn. Var 6°W See page 50.
QUAKERTOWN ARPT-Exten training 5 mi radius. (6-9)
★READING ARPT-RADIO: CAA ILS without voice placed in oper between the hrs 0800 and 2400, serving the N/S rnwy. Var. 9°W. Lclzr lctd 427' from N end of N/S rnwy, lat 40-23-09, long 75-57-47. Elev. 273' MSL. Glide path lctd 400' E of centerline of N/S rnwy and 800' from S end of N/S rnwy, at lat 40-22-24, long 75-57-34. Elev. 332' MSL. Glide path angle: 2.8°. Middle mrkr lctd at lat 40-22-23, long 75-57-31, elev. 278' MSL. Outer mrkr lctd at lat 40-18-24, long 75-56-55, elev. 229' MSL. (6-30). Twr in oper on 281 kcs for AAF REserve and NG train. only with no sched. hrs of oper. (6-24). FLD: Ridges S and E within 4 mi of fld up to 1300' MSL. Equip. on fld days. (6-20).
STAR VALLEY ARPK (CHARLEROI)-Equip. on fld intermittently. Ctn in wet weather. (4-1)
SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings.(4-8)
VALLEY FORGE AIRPORT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const Ctn take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (3-13)

[redacted]: WEST CHESTER ARPT-Strips under const. Right traffic on W and N take-offs. (6-3)
WILKES-BARRE-SCRANTON ARPT-Use rnwys only. (6-4).
WILKES-BARRE-WYOMING VALLEY ARPT-Use rnwys only. Closed ngts. Bndry and obst lgts avail. in emerg or by prior req. 380' rdo twr being erected 7 mi S (170° true). (5-2)
WILLIAMSPORT ARPT-Closed ngts. $R_n$wy lgts avail. for emerg landings or by prior req. Const S side fld, mrkd. (5-23).
WILLOW GROVE NAS-Closed from official sunset to 0800. (3-14).
WINGS FLD (AMBLER)-Being seeded. Equip. on fld. (3-26).
[redacted]: BERKELEY ARPT-Right traffic for landings and take-offs to the S. (6-23).
CHARLESTOWN NAAS-Closed 1800 to 0700. Flgts desiring landings during closed hrs must notify stn 1 hr prior ETA. Rnwy 22 closed due to resurfacing. Rn wy 35 reduced in length to 4400'; Rnwy 30 reduced in length to 3750'. Parking space for overngt acft not avail. (7-7).
GREENE ARPT (PROVIDENCE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-7). FLD: Soft spot on turf area S of rnwy intersection, mrkd. During daylgt hrs arpt rstd to acft equipped with at least a functioning 200 to 400 kc rcvr. During hrs of darkness rstd to acft with functioning 2-way rdo. (5-8).
**NEWPORT-Large over-water circular caution area has been estab. approx. 9 mi SE having a radius of 6 mi centered at lat. 41-21-30, long 71-04-30.
PROVIDENCE-RADIO: Ctn - VHF rng unmonitored. (5-21).
**WESTERLY-Large over-water circular caution area has been estab. approx. 6 mi SSE having a radius of 6 mi centered at lat. 41-12-12, long 71-46-12.
[redacted]: CLARK FLD (CHARLESTON)-Strips rough. (4-28).
CONGAREE FLD (COLUMBIA)-NG svcg not yet avail. (3-25).
FLORENCE ARPT-Closed ngts (bcn, rnwy, obst lgts inop). (6-30).
GEORGETOWN CO. ARPT-Bcn inop. (4-28).
GREENVILLE AAB-RADIO: Army emerg bcn placed in oper on 1742 kcs. Bcn is jeep-mounted and will be placed at approach end of active rnwy upon req to twr, 24 hrs daily. Ident consists only of series of dots followed by 2 long dashes and then repeats. No voice modulation avail. Pwr is 5 watts with rng limited to 15 mi. (5-23). FLD: Occasional heavy glider traffic. Maintenance 0830 to 1700 only. Acft parked on E/W rnwy. (7-2).
**HAWTHORNE ARPT (ORANGEBURG)-ABANDONED (6-30) See page 118.
JENNINGS ARPT (ORANGEBURG)-115' unlgtd derrick 3/4 N. (3-21).
LEXINGTON CO. ARPT (COLUMBIA)-RADIO: Twr inop (4-24). FLD: Control of air traffic discont. Bndry lgts inop. 1 range lgt SW end NE/SW rnwy inop. E/W rnwy lgts very dim.
MEMORIAL ARPT (SPARTANBURG)-Use rnwys, taxi strips only. (5-1).
MYRTLE BEACH-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
MYRTLE BEACH AAF-Inst training at 1000 and 5000' alts 50 mi radius during IFR. (6-9)
OWENS FLD (COLUMBIA)-Use rnwys only. Req pilots avoid pivoting acft on Nw end NW/SE rnwy. Small acft parked on ramp front Admin Bldg, mrkd. Taxi strip between NE/SW and E/W rnwys unlgtd. (6-26).
PARRIS ISLAND MCAS-Use in emerg only (caretaker status-no facs).
WOODWARD FLD (CAMDEN)-Use rnwys, taxi strips only-fld tie-downs in this area. No facs for closing flight plans other than fone. Flight plans should be closed with Shaw Fld twr before landing. Closed ngts. (4-28).
[redacted]: ANDERSON ARPT (MITCHELL)-Areas off rnwys soft in wet weather. (3-27)
BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (3-27).
BIEDENFELT FLD (FAULKTON)-Hay stacks on fld. Use strips only.(3-27)
BROOKINGS ARPT-W portion fld soft in wet weather, bal fld usable with caution.(3-27);
GERONIMO ARPT-Rough and dangerous-unattended. (5-20)
★PIERRE-RADIO: Stn now gds 3105.4495,6210,3117.5 kcs, 116.1,122.1 mcs. These data inadvertently omitted from data page.
RAPID CITY AAB-Equip. 300' S of E/W rnwy to 700' W of N/S rnwy; equip. lgtd. E/W rnwy closed. (6-4).
SIOUX FALLS MUN. ARPT-Use rnwys only. Tetrehedron rmvd. Infld rough 100' E of Center of NE/SW rnwy, mrkd. (4-8)
WATERTOWN-RADIO: 122.1 mc rcvr temp inop. (5-6).
W.W.HOWES ARPT (HURON)-Closed to acft exceeding 25,500 lbs. Use black-top rnwys only. Stakes on grass areas. (6-4)
[redacted]: BERRY FLD (NASHVILLE)-RADIO: CAA ILS operating without voice. FLD: Use rnwys only- rnwy, taxiway shoulders soft. (1-13).

[redacted]: CHATTANOOGA ARPT-LOVELL FLD-RADIO: 126.18 mc transmitter and rcvr at CAA twr temp inop. (5-8).FLD: Intermittent dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (2-27)
CORNELIA FORT ARPK (NASHVILLE)-Landings and take-offs to S use left traffic, to N right traffic. All approaches must be 180° side from 800'. (5-7)
CUMBERLAND FLD (NASHVILLE)-Strips under const.
DYERSBURG-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
KINGSTON-RADIO: FM on W course of Knoxville rng will be shut down about July 10 until about Aug 10, for relctn to lat 35-47-30, long 84-36-25. (7-3).
LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26).
McGHEE TYSON ARPT (KNOXVILLE)-S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area on edge of ramp NE of Admin Bldg. (3-13)
McKELLAR AIRPORT (JACKSON)-Use rnwys only - parked acft.
MEMPHIS-Scheduled night training flights will be conducted in vicinity by trainer type acft Thursdays 1930C to 2230C until further; notice. This activity has not yet been cleared with the Airspace Subcommittee.
MEMPHIS ARPT-RADIO: Traffic will be controlled from twr on N side of fld when wind velocity is 45 mph or less, during periods when wind velocity at Memphis is in excess of 45 mph twr and approach control will be inop on N side of fld. At such time, traffic will be controlled by lgt gun signal from old twr atop term bldg on S side of fld. (7-2). Middle and outer compass lctrs of CAA ILS temp inop. (6-19). FLD: Fld badly eroded. Use rnwys only-shoulders soft. Equip. on fld. Avail. private acft equipped with fully operating 2-way rdo transmitting on 3105, 4495,6210 kcs or 122.5 mcs. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft not permitted Ltd facs. No 91 oct. Traffic controlled from twr N side fld when wind velocity is 45 mph or less. When wind velocity in excess of 45 mph, traffic will be controlled by lgt gun signal from old twr atop terminal bldg S side arpt. (7-2)
MEMPHIS FLYING SERVICE-Right traffic N take-offs and landings; left traffic S take-offs and landings. NE/SW, E/W rnwys closed. (2-24).
MEMPHIS NAS-Prior notification rqrd for landings between off. sunset and 0730 except in emerg. Flight plans should be addressed to "MEMPHIS NAVY". Exten flight opers in 15 mi radius. Traffic left at 1000'. Red rot. bcn indicates IFR. Unsafe for acft over 27000 lbs. (5-10)
★NASHVILLE-RADIO: Auto. rng monitor. sys comm. (6-27)
OUTLAW FLD (CLARKSVILLE)-Avoid bare spots on NE/SW, NW/SE strips during rains and after thaws. Use grass spots only. (1-13).
SMYRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (3-7) FLD: Temp inactive - no facs. (6-8).
STEWART FLD (UNION CITY)-Use rnwys only - parked acft.
TRI CITY ARPT (BRISTOL)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only - rough. Soft when wet. (4-8)
[redacted]: ABILENE-RADIO: Stn guards 3117.5 kcs 2300 to 0700. About July 15, Phantom Hill approach FM will be comm on the N course at lat 32-36-36, long 99-39-00, about 9.4 mi from rng stn. Bone shaped, ident. one dash. (7-3)
ABILENE AIR TERMINAL-E/W rnwy avail, only on permission of control twr. (3-13)
ALAMO-RADIO: About July 15, Cibolo Creek approach FM will be comm on the N course of Alamo rng at lat 29-42-53, long 98-27-05, 9.5 mi from rng stn. Pattern elliptical, ident. one dash. Spring Branch FM will be decomm.

[redacted]: ALICE-RADIO: About July 9, N and S courses will be realigned to 153° and 333° respectively. (6-18)
ALICE ARPT-Rnwy lgts not visible on final approach. Lgts obscured from air by grass and vegetation. Bcn inop. (6-16)
ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use rnwys only. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (3-17)
ARLINGTON (MIDWAY) ARPT-NE/SW rnwy unsafe. NW/SE rnwy usable with ctn. Rnwy lgts inop. (3-17)
ASHERTON ARPT-High brush-use strips with ctn. (3-17)
ATLANTA MUN. ARPT-Cattle on fld. (11-15)
★AUSTIN-RADIO: Courses gnd-checked only. Stn gds 3117.5 kcs 2300 to 0700. July 8, NE,SW courses realigned to 216° and 36° respectively. Too late for charts.
AVENGER FLD (SWEETWATER)-Use rnwys only. (3-21)
BERGSTROM FLD (AUSTIN)-RADIO: Army ILS temp inop. (3-7) FLD: NE/SW, NW/SE rnwys closed. (4-23)
BIGGS FLD (EL PASO)-See notice under White Sands Proving Ground, N.M. (12-26)
BIG SPRING-RADIO: Stn gds 3117.5 kcs 2300 to 0700. (2-27) Auto. rng monitor. sys installed, but not comm. Rng flgt-checked, courses correctly aligned.
BROWNSVILLE-RADIO: Soon N course will be realigned to 153°. (6-18). Following realignment "A" and "N" quadrants will be reversed. Commun stn guards 3117.5 kcs during hrs 2400 to 0800. (2-23)
BRUCE FLD (BALLINGER)-Holes in fld-use rnwys only. (3-17)
CAMP HOOD LANDING FLD (KILLEEN)-Ngt opers on previous arrangement. Right traffic to N, left to S overhead approach. Equip. near NW/SE rnwy. (1-8)
CHILDRESS-RADIO: Ctn - VHF rng unmonitored. (4-10)
CLEBURNE NORTHWEST ARPT-250' twr rdo stn KCLE being erected 1.5 mi NNE (28° true (2-3)
CLEVELAND-RADIO: Ctn - VHF rng unmonitored. (4-23)
CLIFF MAUS FLD (CORPUS CHRISTI)-Use rnwys only. Farming opers in progress 200' E of N/S rnwy and 200' S of E/W rnwy. (6-12)
COMMERCIAL ARPT (EDINBURG)-Two 250' twrs being erected 2 mi W (273° true). Rdo Stn KCBD erecting three 315' twrs 2.5 mi SE (123° true). (3-24)
CORPUS CHRISTI-RADIO: Commun stn guards 3117.5 kcs between hrs 2300 to 0700.(2-25)
CUDDIHY FLD (CORPUS CHRISTI)-RADIO: Municipal twr comm. Operates 1230 to 2130, daily except Weds. Lgt gun oper only. (5-23). FLD: Traffic left 600'. Bndry, obst, rnwy lgts and tetrahedron avail. sunset to 2300 only. Use rnwys only-farming opers. (6-16)
CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings to be made within orange cone bndrys. (3-12)
**CURTIS FLD (BRADY)-Rot. bcn, bndry, obst lgts and rnwy mrkrs operating cont. (10-31) See pages 106,120,124.
DALLAS-Extensive night flying by small aircraft up to 1000' in vicinity of Hudson Arpt (approx. 8 mi NE Love Arpt). This activity has not yet been cleared with the Airspace Subcommittee.
DENTON ARPT-Use N/S rnwy only. (2-21)
DIMMIT COUNTY ARPT (CARRIZO SPRINGS)-Use in emerg only. Const. (2-24)
DRAUGHON-MILLER ARPT (TEMPLE)-Use rnwys, taxi strips only. (2-4)
EAST SIDE ARPT (LONGVIEW)-320' rdo twr being erected 3 mi SSW (196° true). (2-25)
ECTOR CO. ARPT (ODESSA) All rnwys and taxi strips closed except last half of E/W rnwy and all of NW/SE rnwy and taxi strip leading from ramp area N. Closed ngts. (6-23)
EGYPT, BCN SITE 13, ZN-HU-Temp inop. (5-12)
ELDORADO ARPT-E/W strip soft in wet weather. (3-17)
★ELLINGTON FLD (HOUSTON)-RADIO: Air/gnd stn oper on 4765 kcs in addition to freqs previously published. (6-26) FLD: Closed to VHB acft except in emerg. Exten Reserve training daily until 1900 Tues and Weds until 2200 under CFR. (6-3)
EL PASO MUN. ARPT-ED ANDERSON FLD-RADIO: June 17, outer mrkr of CAA ILS shut down for installation of compass lctr. (6-17)
ENGLISH FLD (AMARILLO)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-18) FLD: Use rnwys, taxi strips only. (3-1) 175' tank being erected 6 mi WSW (255° true). 250' derrick being used during const, lgtd. (4-5)
[redacted]: FAIRCHILDS, BCN SITE 16, ZN-HU-Temp inop. (5-12)
FLORESVILLE, BCN SITE 2, ZN-HU-Temp inop. (5-12)
FORNEY-RADIO: FM on E course of Dallas rng inop. (5-23)
FORT WORTH AAF-40' trees immediate end Rnwy 35L. (6-12)
FORT WORTH SEAPLANE BASE-Proximity to AAF calls for the use of discretion in circling the Seaplane Base. Traffic patterns are all away from the AAF. Ramps and beaching dollies under const. (1-8)
GARWOOD, BCN SITE 11, ZN-HU-Temp inop. (5-12)
GASKIN FLD (SHERMAN)-Cattle on rnwys-emerg landings only. (3-24)
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (3-17)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT. (4-8)
★GRAUWYLER PARK-RADIO: July 2, MHW fac decomm.
GUTHRIE-RADIO: Ctn - VHF rng unmonitored. (4-10)
HALLETTSVILLE, BCN SITE 8, ZN-HU-Temp inop. (5-12)
**HAMILTON FLD (BIG SPRING)-Formerly carried as U & S Flying Service (Big Spring) (6-19). See pages 106 and 120.
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. Const on rnwys. (4-1)
HICKS FLD (FT. WORTH)-Use strips only-parked acft. (1-2)
HIGHLAND PARK ARPT (DALLAS)-E/W rnwy suitable for lgt plane landing days only. Use rnwys during rainy weather. (1-28)
HITCHCOCK NAF-LTA-RADIO: 6390 kc transmitter and rcvr temp inop. (3-12)
★HOUSTON-RADIO: Auto. rng monitor. sys comm June 30. Courses gnd-checked. Soon, outer mrkr of CAA ILS will be shut down for installation of compass lctr. (6-13) FLD: Use rnwys, taxi strips-ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip. on fld. (4-22)
INTERNATIONAL ARPT (BROWNSVILLE)-Rnwy 4-22 closed. Use rnwys, taxi strips only. Civil acft may be cleared thru this arpt for foreign flights. Army acft use Kelly Fld. Obst lgts atop 90' antenna poles 3 mi N inop. 180' rdo twr being erected 3 mi SSE (158° true). Six 40' antenna poles 1/4 mi S and 500 yds E of W side fld, lgtd. (6-5).
JEFFERSON CO. ARPT (BEAUMONT)-Rnwy ctc lgts operated on req only. Reqs should be made thru arpt manager or Beaumont Rdo. (6-10)
JOAQUIN-RADIO: Ctn - VHF rng unmonitored. (4-10)
★JUNCTION-RADIO: VHF rng without voice flgt-checked and comm on cont oper June 27, at lat 30-38-00, long. 99-58-43. Freq. 108.7 mcs. Ident. "JT". Visual courses: 128°, 308°; aural courses: 38°, 218°. Ctn - rng unmonitored. Class: VARW. Yellow sector in NE, blue sector in SW. "N" in NW, "A" in SE. Var. 10° E.
KELLY FLD (SAN ANTONIO)-RADIO: AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Acft on fld. Use rnwys only. 190' lgtd twr const W of Rnwy 14-32. 150' water twr under const 1-1/2 mi SE, not lgtd. (4-16)
KENDLETON, BCN SITE 14, ZN-HU-Temp inop. (5-12)
LAREDO-RADIO: Stn lctn mrkr oper erratic. (6-18)
**LAREDO MUN. ARPT Three 50' antenna poles lctd at old control quarters S end of fld perm removed. (5-30) Flight opers from old terminal S end fld discont. Fence const across taxiway leading to bldg. Fence lctd approx 600' E of W end Rnwy 35R and in direct line with regular fence at S end fld. This section no longer included in arpt area. All opers being conducted from new terminal W side fld. Tetrahedron free swinging and will be lgtd upon rdo req. (6-11)
LONE OAK, BEACON SITE 5, DL-LV-Temp discont. (9-18)
★LOVE FLD (DALLAS)-RADIO: July 2, outer compass lctr of CAA ILS comm and flgt-checked, oper normal. See pages 108,110. Outer mrkr flgt-checked June 26, oper normal.
MAJORS FLD (GREENVILLE)-All lgts temp inop. (1-3)
MARSHALL ARPT-304' twr being erected 3 mi NW (317° true), lgtd. (2-11)
MEACHAM FLD (FT. WORTH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-7) FLD: In wet weather use rnwys, taxi strips only. 260' single vertical twr being const 4 mi ESE (115° true) temp lgtd. Grain elevator 967' MSL, 9100' N of N end N/S rnwy on extended centerline directly on lctr course. 1000' extension being const S end N/S rnwy. Equip. in const area. Discontinuance of approach lgt lane on N end N/S rnwy postponed. 285' twr rdo stn KCNC being erected 5 mi SE

[redacted]: (135° true). Taxi strip leading to Rnwy 17 under const. (6-2)
★MERCEDES-RADIO: FM decomm July 3.
MIDLAND ARPT NO. 2-Avail. to trans acft 0800 to 2000 Mon thru Fri only until thru July 5. (6-25)
MONTGOMERY CO. ARPK (CONROE)-Avail. only acft equipped with landing lgts. (3-17)
NIXON, BCN SITE 4, ZN-HI-Temp inop. (5-12)
★ODEM-RADIO: Approach control, elliptical shaped FM comm and figt-checked July 1, on the NW course of Corpus Christi rng at lat 27-56-42, long. 97-34-12.
ORANGE ARPT-Use NW/SE, E/W strips only. Fld flooded after rains. (3-17)
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (3-17)
PILGRIM, BCN SITE 5, ZN-HU-Temp inop. (5-12)
POUNDS FLD (TYLER)-Use rnwys only, bal fld rough and unsafe. (2-21)
PYOTE AAF-Rnwys 18-36, 7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)
RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld. Rnwy 1-19 unsafe for acft over 10,000 lbs. (6-5)
RAYMONDVILLE INT, SITE 5, JI-FV-Rough. (3-3)
ROBERT MUELLER ARPT (AUSTIN)-RADIO: Soon, CAA ILS will be comm serving NW/SE rnwy with approach from SE. Voice equipped lclzr will oper on 109.5 mcs. Ident. "AUS". Transmitter will be lctd 900' NW of NW end of NW/SE rnwy on rnwy centerline extended. Glide path will oper on 332.6 mcs, transmitter lctn 400' NE of rnwy centerline and 750' NW of the SE end of the NW/SE rnwy. Middle mrkr will be lctd 3636' SE of the SE end of the NW/SE rnwy and 50' SW of the rnwy centerline extended, keying alt dots and dashes; outer mrkr will be lctd 6.12 mi SE of the SE end of the NW/SE rnwy on the rnwy centerline extended, keying two dashes per sec. FLD: Acft landing or taking-off on Rnwy 34R use right traffic pattern. Acft landing or taking-off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. E/W taxi strip NW section fld closed. (5-2)
ROCKPORT ARPT-Closed except in emerg. Fire and crash equip. removed. (3-17)
RUSK CO. ARPT (HENDERSON)-Use rnwys and taxi strips only. (1-30)
SALTILLO, BCN SITE 9, DL-LV-Temp discont. (9-18)
SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio A.T.C. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or San Antonio Range Stn and adhere to instructions issued by San Antonio A.T.C. Acft outbound from Randolph Fld adhere to instructions issued through Randolph Tower.
SAN ANTONIO-RADIO: About July 15, NE and SE courses of Kelly Rng will be realigned to 195° and 318°. (7-1)
SAN ANTONIO ARPT-ALAMO FLD-Acft arriving after dark rqrd to have two-way rdo. (2-27)
SAN BENITO INT, SITE 2, JI-FV-Unlgtd hangar 200' NE bcn twr. (1-22)
SAN MARCOS AAF-Ctn-helicopter and liaison pilot training. (10-15)
SHEPPARD/KELL MUN. ARPT (WICHITA FALLS)-RADIO: Twr will be recomm on temp basis July 4 to 20th inclusive during 14th annual national soaring meet. Will transmit on 278 kcs., 118.5 mcs. Rcv on 3105,4495,6210,3117.5 kcs., 122.5, mcs. (7-2). FLD: Unlgtd N/S rnwy on W side fld rstd to acft of 450 HP or less. Left traffic on all rnwys, entering at 45° down-wind leg at 800'. Intermittent glider activity on fld and in vcnty. The 14th annual national soaring meet will be conducted July 4 thru the 20th. Glider activity presently in progress will increase as date of meet approaches. (5-28)
SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible from twr due to parked acft. Stn sto acft rcvd only between 0800 and 1630 Mon thru Fri. Ltd transportation, no housing, messing facs. Closed to all acft except on off. bus. or emerg. (6-23)
SPRING BRANCH-RADIO: About July 15, FM on N course of Alamo rng will be decomm (7-3)
STINSON FLD (SAN ANTONIO)-Right traffic Rnwys 9,14,17,22. Left traffic on all other rnwys. Traffic 600' above terrain 1167' MSL. Fld and lighting facs in oper until 2230. Rnwy lgts on demand after 2230. Acft entering Stinson Fld control zone after dark shall be equipped with 2-way rdo. (5-11)
T.C.U. ARPT (FORT WORTH)-Use E/W strip in wet weather. (2-21)
TERRELL, BCN SITE 6, FV-AG-Temp discont. (9-18)

[redacted]: TEXARKANA-Demolition operations are being conducted approx 15 mi WSW Texarkana Arpt, 0800 - 1615 daily except Sat and Sun. All acft cautioned to fly above 1500' over this area.
TEXARKANA ARPT-400' unlgtd twr Rdo Stn KCMC being erected 4.5 mi WSW (250° true) (4-22)
••VERNON ARPT, SITE 15, AQ-FV-Formerly Vernon Arpt. 36" rpm bcn, alternating clear and green flashes, and contact lgts on NE/SW rnwy avail. See page 84.
••VERNON INT, SITE 15, AQ-FV-ABANDONED. (6-30). See page 84.
VICTORY FLD (VERNON)-Use rnwys only-parked acft. Avail. days only. (12-30)
VIENNA, BCN SITE 10, ZN-HU-Temp inop. (5-12)
WHITE FLD (BRADY)-CLOSED. (8-7)
WHITE ROCK ARPT (DALLAS)-520' twr Rdo Stn KDXL-FM being erected 2.2 mi SW (232° true). (6-9)
WINK-RADIO: June 26, rng shut down days for installation of auto. rng monitor sys. (6-26)
WINK ARPT-Rnwy lgts inop. (4-26)
WOLFE CITY ARPT-Use in emerg only. (2-25)
YATES-RADIO: About July 15, MHW fac will be comm on N course of Alamo rng, 3.36 mi N of rng stn at lat 29-37-42, long. 98-27-48. Freq. 245 kcs. Ident. "O". (7-3)
[redacted]: DELTA ARPT-Trans acft use rnwys, taxi strips only. (4-8)
ENTERPRISE INT, SITE 39, LA-SL-CLOSED (rough, soft). (5-29)
HANKSVILLE INT, SITE 54, LA DV-35' unlgtd pole line 600' S of E portion E/W rnwy. (5-16)
HURRICANE ARPT-Soft when wet. (4-3)
MILFORD-RADIO: Soon, CAA Commun Stn will be moved to new quarters at Milford Arpt. Stn class will be changed to: BMRLZ-DT. Anticipate approx 36 hrs shut down of voice communs and rdo rcvg facs during move. (6-11)
MILFORD ARPT, SITE 45, LA-SF-Unlgtd bldgs SE corner fld S of and adj to bcn twr. Rndry lgts temp discont. Course lgts changed to clear. Dirt areas soft. Three 25' poles erected N side of new const on E side fld. (7-8)
PROVO ARPT-NNE/SSW, NW/SE rnwys avail. all acft days. ENE/WSW rnwy closed. Equip. on ends of rnwys intermittently. (5-12)
★ROBERT H. HINCKLEY FLD (OGDEN)-RADIO: Priv twr now opers 1130 to 2130 Mon, Tues; 0830 to 2130 Wed thru Sun. (7-8). These data rcvd too late for inclusion on data page. FLD: NE/SW rnwy lgts inop. N/S rnwy lgts oper cont during hrs of darkness when twr inop. Equip. E side fld days. (5-21)
SALT LAKE ARPT NO. 2-Use rnwys, taxiways only-shoulders soft. Closed to ngt opers. (4-20)
SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail. (5-3)
SALT LAKE CITY ARPT NO. 1-Use rnwys, taxi strips only during wet weather account shoulders soft. Right traffic when winds are from S, SE, E. Prevailing wind rnwy lgts operating ngts. (6-18)
THOMPSON, BCN SITE 60, LA-DV-About July 10, new bcn site will be comm 8 mi SW of Thompson, Utah at lat 38-53-45, long. 109-48-30. (6-25)
WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E, in the Low Flight Strip area, from 0800 to 1800. See chart 23.
WENDOVER FLD-Obst lgts on mtns N and W of fld inop. (4-7)
WIDTSOE, BCN SITE 47, LA DV-About July 8, new bcn site will be comm 7 mi E of Widtsoe, Utah. (6-25)
[redacted]: BARRE-MONTPELIER ARPT (BERLIN)-Use rnwys only. (12-31)
★BURLINGTON ARPT-RADIO: Twr now transmits on 278 kcs., 126.18,118.7 mcs. (6-30) FLD: Use rnwys only. Parked acft N side E/W taxi strip. (4-3)
LEMMINGTON-COLEBROOK ARPT-Avail. emerg landings only. (5-13)
[redacted]: ALBERTA ARPT-ENE/WSW, NNW/SSE strips rough. Ends and sides mrkd by 12' yellow mrkrs. (5-21)
ALEXANDRIA ARPT-NW/SE rnwy lgtd until 2100 every ngt for 1000'. Approx 1500' of AGA reflectors extending beyond the lgts. Model Airplane Meet will be held July 20th between 1000 and 1700. Trans traffic should exercise dur ctn. (5-28)
ALTAVISTA ARPT-200' NE end of fld unusable in wet weather. (2-4)
BLACKSTONE-RADIO: At intermittent periods, reception on high freqs unreliable (hvy icl interference). (7-2)

[redacted]: BLACKSTONE ARPT-Tetrahedron inop, unlgtd. NE/SW rnwy avail. full length and 250' wide from NW side of NE/SW rnwy. 5 and 7'' rises of concrete 24' wide at seams on SE side NE/SW rnwy, mrkd. 5'' rise lctd 450' NE and 7'' rise lctd 75' SW of intersection NE/SW and NW/SE rnwys. (6-17)

BYRD FLD (RICHMOND)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-3) June 9, middle and outer mrkrs of CAA ILS temp inop pending relctn, concurrently with this relctn compass lctrs will be installed. Lclzr will remain in oper. (6-9). This corrects Airman's Guide Vol. 2, No. 7. FLD: Ltd Army svcg facs. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft. Acft landing this fld without establishing rdo commun with twr watch carefully for lgt gun signals-twr lctd in center of triangle of rnwys. (2-18)

CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (1-2)

CHINCOTEAGUE NAAS-Closed 1700 to 0800 except on req with 2 hrs notice. Bcn operates all ngt except during local ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. IFR flight plans accepted only 0800 to 1630 Mon thru Fri except on holidays and on 2 hrs notice Fld lighting sys under repair-unreliable. Use rnwys, taxi strips only-soft shoulders and trenches along sides of rnwys and taxi strips. Equip. on fld. Pilotless rdo-controlled acft operating days Mon thru Fri. Other acft in vcnty proceed with ctn. (2-28)

DAHLGREN NAF PROVING GROUNDS-CLOSED TO ALL (INCLUDING TRANS MIL) ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Except in emerg or on req (with two hrs notice) fld open only 0730 to 1615 Mon thru Fri inclusive. Off. flights must be cleared thru one of the following: NAS Anacostia, D.C; NAS Patuxent River, Md.; NAS Norfolk, Va.; NAS Quonset Point, R.I.; Cape May CGAS, N.J.; Inyokern NAF, Calif.; NAF Torpedo Stn, Newport, R.I.; Naval Acft Factory Philadelphia, Pa.; Cherry Point MCAS, N.C.; Quantico MCAS, Va.; AAF Proving Gnds, Eglin Fld, Valparaiso, Fla.; Langley Fld, Va; Wright Fld, Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md.; Lakehurst NAS, N.J. (3-10)

DANVILLE ARPT-Rnwy lgts will be operated by INSAC personnel 0800 to 2400. From 2400 to 0800 lgts will be unattended and rnwy nearest in line with wind direction at 2400 will be lgtd. Grassy plots soft when wet, rough when dry. Use only hard surfaced rnwys and taxi strips. Tetrahedron free swinging. (5-26)

EMPORIA ARPT-Fixed tee, wind sock E side fld indicating rnwy in use. (12-28)

FENTRESS NAAS-Use in emerg only (caretaker status-no facs). (2-19)

HARCUM ARPT-Use NE/SW strip only between yellow cone mrkrs. (3-31)

HOPEWELL ARPT-NE/SW and NW/SE strips under const. (3-21)

★LANGLEY FLD-RADIO: Army rng now transmits on 221 kcs only. Twr transmits on 278 kcs., 126.18 mcs. AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 2-20 closed. Rnwy 12-30 closed to all 4-engine acft. (1-14)

LOVING FLD, SITE 35A, NA-WA (PULASKI)-Observe right traffic for landings from SW on NE/SW rnwy. (4-4)

LYNCHBURG-RADIO: At intermittent periods especially during dry weather rcvg watches on high freqs impaired by pwr noises. (6-17)

MONOGRAM NAAS (DRIVERS)-Use in emerg only (caretaker status-no facs). (2-19)

MT. VERNON-See Special Notice under District of Columbia.

NORFOLK-RADIO: VHF rng on 108.7 mcs shut down for an indefinite period. (5-8)

NORFOLK NAS-EAST FLD-Pilots on S-bound coastal flights inbound IFR between 0700-2400 to NAS Norfolk shall establish rdo ctc with Navy Chincoteague Rdo for further clearance instructions from ATC Norfolk. Pilots on N-bound coastal flights inbound IFR between 0700-1900 to NAS Norfolk shall establish ctc with Navy Weeksville Rdo for further clearance instructions from ATC Norfolk. Pilots on either S-bound or N-bound coastal flights inbound IFR to NAS Norfolk at other than the above stated hrs ctc Norfolk Rdo or Navy Norfolk Twr earliest possible for further clearance instructions. (3-18)

OCEANA NAAS-Facs avail. 0800 to 1630 Mon thru Fri. Acft clearances not accepted at other than designated hrs. Emerg acft clearance accepted any time upon prior notification. Equip. on fld. (6-13)

ORANGE CO. ARPT-Strips muddy in wet weather. (4-4)

PENINSULA ARPT (HAMPTON)-Right traffic whenever wind conditions require take-offs and landing toward SW (Newport News). Left hand pattern when wind conditions require [redacted]: take-off and landing to NE (Hampton). Traffic direction and pattern indicated by T on roof of hangar. (5-19)

PRESTON GLENN ARPT (LYNCHBURG)-RADIO: At intermittent periods especially during dry weather twr rcvg watches on high freqs impaired by pwr noises. (6-17) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-8) FLD: Use only rnwys during and after wet weather. Two poles 4200' E of E/W rnwy. (2-7)

QUANTICO MCAS-Closed sunset to sunrise except in emerg. (5-6)

RICHMOND-Elko Aux Fld 5 mi E of Byrd Fld is similar in design and layout to Byrd Fld, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse the two flds.

SHENANDOAH ARPT-N/S strip under const. Grading equip. on fld. Soft in wet weather. NE/SW strip mrkd by cone mrkrs. (3-15)

UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (3-17)

WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (3-7)

WOODRUM FLD (ROANOKE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-10) FLD: Ext. local traffic days. Acft landing without establishing rdo commun with twr must conform to local traffic patterns. Observe twr at all times for lgt gun signals especially on base leg and final approach. Clear rnwy immediately after landing. Mil acft utilizing VHF freq should listen for control twr instructions or observe lgt signals from twr in response to their transmissions. All acft departing should determine proper rnwy and taxi route from twr or operations prior to taxiing. (2-28)

[redacted]: SPECIAL NOTICE-Benton County Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3, Spokane Sectional, and Washington 5 Danger Area Charts)

ARLINGTON AERONAUTICAL SCHOOL ARPT-Unmrkd cable span being erected 11 mi E (78° true). Cable will run N/S between lat 48-13, long. 121-55, on Wheeler Mtn and lat 48-11-30, long. 121-55-00 on Blue Mountain. Cable anchorage levels at approx 2800' on both Mountains and will be approx 1000' above valley floor. Vertical-down-haul will be attached at mid-span terminating at the ground in Jim Creek Valley. Bcn inop. (4-25)

**ASOTIN CO. ARPT (CLARKSTON)-Flood, obst and portable strip lgts prior req. (4-16)

BARRY'S SKY HARBOR ARPT (TACOMA)-Right traffic, W take-offs and landings. (3-17)

BELLEVUE AIRFLD (SEATTLE)-Right traffic when landing to S. (3-19)

BELLINGHAM ARPT-Do not taxi off surfaced areas-sodded portions soft. Day traffic controlled by white T center of arpt. (6-20)

BOEING FLD (SEATTLE)-Daylgt CFR opers-lgt acft use mrkd dirt landing strip E side fld adj to main rnwy. Traffic patterns made to E at 1000'. Right traffic when taking off to NE. Flash. amber lgt on twr indicates flight pattern in relation to dirt landing strip. All turns, taxiing off or back on dirt area made toward twr. Acft using dirt strip avoid flying over main rnwy or approaches. Watch for air and ground traffic. Lgt gun signals for take-offs and final approaches only. Heavy acft use rnwys, taxi strips. Equip. on fld. All unscheduled acft landing at Boeing Fld must register with County Fld Office, except those who have made other arrangements with fld management. Equip. S of Admin Bldg loading ramp, avoid flagged area. Holes E side main taxiway, N and S of Admin Bldg. (4-4)

BUENA ARPT-Right traffic E take-offs and landings. (3-17)

CLE ELUM ARPT-Right traffic E takeoffs and landings. (3-17)

COUNTY-CITY ARPT (PORT TOWNSEND)-Right traffic E takeoffs and landings. (3-17)

COUPEVILLE OLF-Closed except in emerg.

EPHRATA ARPT-Wild horses on fld. (7-3). These data rcvd too late for Ⓞ symbol.

★EVERETT-RADIO: Overseas Foreign Aeronautical Communs Stn point to point radio-telegraph circuit 300X transmits on 168,4070,8130,11331,16232.5 kcs; 8110 kcs avail. on req. (6-23). Transmitting and rcvg 8280 kcs International Marine calling freq comm July 7, type A1 and A3 emission. (7-7)

FELTS FLD (SPOKANE)-Lgt non-rdo equipped acft use mrkd graded area S of main rnwy. Fancher Bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. N side rnwy mrkd. Equip. on fld. (4-22)

[redacted]: KELSO ARPT, SITE 61A, SF-SA-Equip. on fld. (6-9)
KENMORE ARPT (BOTHELL)-Avail. emerg use only-cattle. (9-10)
KITSAP CO. ARPT (BREMERTON)-Lgts inop. (5-12)
L & D SEAPLANE ANCHORAGE (PROSSER)-Ramp washed away. Possible to moor plane to existing boat float. Circle arpt lctd 1 mi N for gas truck or fone Prosser 91114. (5-20)
LONGVIEW SKYHARBOR SEAPLANE ANCHORAGE-Right traffic S take-offs and landings. (3-17)
MARTIN FLD (COLLEGE PLACE)-Const, equip. on strips. Strip 2500 x 150' S side of fld flagged for landing. Taxi strip adj. Center of fld rough and unsafe for landing. (4-29)
McCHORD FLD (TACOMA)-RADIO: AACS operated HF/DF stn temp suspended until further notice. (4-24) Army ILS (CAA type) temp inop. Middle mrkr to be relctd and present equip. will be modified. (3-13) FLD: Use rnwys, taxiways only. Equip. on fld. (12-11)
MT. VERNON OLF-Closed except in emerg. Training use rqrs 24 hrs advance notice thru Whidbey Island NAS Bcn inop. (3-20)
NELSON RIDGE, SITE 6, SA-HL-About Aug 1, bcn will be dismantled and relctd to lat 47-11-30, long. 121-01-42, 1-1/2 mi SE of present lctn. After relctn bcn will be recomm with no change in char. (5-13)
OLYMPIA ARPT-Rot. bcn flash. green and yellow used to warn local and trans acft of approach of scheduled transport acft. Bcn turned on five minutes before arvl and turned off upon arvl and landing of acft. (12-7)
PAINE FLD (EVERETT)-Lgts inop. (5-29)
PASCO-See Special Notice (first item under state heading)
PASCO NAS-Use in emerg only (caretaker status-no facs).
PIERSON ARPK (VANCOUVER)-Const. Use North E/W strip only. (3-17)
PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-Avail. lgt acft only. (11-26)
PUYALLUP ARPT-Right traffic N take-offs and landings. (3-17)
S & S AIRSTRIP (PUYALLUP)-Right traffic S take-offs and landings. (3-17)
SAVAGE FLD (CHENEY) Moderate soil erosion intermittently. (9-14)
**SEATTLE NAS-RADIO: Navy MH fac in oper at lat 47-45-42, long. 122-17-08, pwr 200 watts. Cont oper. Class: MHW. Freq. 414 kcs. Ident. "X" (6-6). These data revd too late for inclusion on data page and chart. FLD: Single-engine acft approach from Kirkland 1500' descending to 1000' over the stn. Seaplanes approach over Lake Washington from N or S under 200'; landing area lgtd on req between sunset and sunrise. Rnwy 14-32 lgtd 30 minutes prior to arvls and dptrs between sunset and sunrise and on req. Tetrahedron lgtd sunset to sunrise. (5-27)
SEATTLE-TACOMA ARPT-RADIO: Outer mrkr of CAA ILS unmonitored. (6-5) FLD: Equip. on fld days. (5-22)
SPRAGUE ARPT-Entire fld rocky-dangerous. Emerg use only. (5-20)
SUNNYSIDE ARPT-Right traffic, S take-offs and landings. (3-17)
TONASKET ARPT-Right traffic S or SW take-offs and landings. (3-17)
WALLA WALLA AAF-RADIO: DF stn will be relctd at Spokane AAF in near future. FLD: No opers office. Equip. on fld days Mon thru Fri. (3-24)
WESTPORT ARPT-Driftwood on fld after extremely high tides. (1-2)
WHIDBEY ISLAND NAS-AULT FLD-Bcn operates during IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. (4-3)
WILBUR ARPT-Taxiway const W side of strip. (4-25)
[redacted]: ELKINS ARPT-Ctc Elkins Rdo or circle fld before landing. (3-14)
**GREENBRIER ARPT (WHITE SULPHUR SPRINGS)-Formerly carried as Greenbrier AAF. (7-3). See page 64.
LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy rains. (4-10)
HUNTINGTON ARPT-305' twr Rdo Stn WHTN being erected 2.1 mi SSE. (7-4)
SCOTT FLD (BECKLEY)-Use right traffic on N course. (4-7)
WHEELING-RADIO: Ctn - VHF rng unmonitored. (4-9)
[redacted]: CAMP McCOY ARPT-Emerg use only-not maintained. (6-12)
CLINTONVILLE ARPT-Six sod strips avail. (4-22)
CHAPLIN'S ARPK (PLYMOUTH)-Only E/W strip avail. (5-23)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts. (4-22)
EAU CLAIRE MUN. ARPT-Ctn, equip. on rnwys and fld area. (4-23)
GEN. MITCHELL FLD (MILWAUKEE)-Equip. on fld days. Right turn procedure rstd to lcly [redacted] based acft. All acft land according to tetrahedron unless otherwise instructed by twr. All pilots must register in Admin Bldg upon arvl and dptr. Position lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. Ditch extending 150' S of intersection NE/SW, NW/SE rnwys paralleling SE portion NW/SE rnwy for 1/2 mi. Obst lgt atop 95' chimney SW corner fld inop. Rdo rcvr req for all lcly based acft. E/W rnwy closed, avail. taxiing only. (5-13)
GINNOW ARPT (OMRO)-Use strips only. (4-1)
LA CROSSE ARPT-Use rnwys only. (5-23)
MERRILL ARPT-Use rnwys only-soft after heavy rains. (6-3)
MOREY ARPT (MADISON)-Use strips only. (5-19)
OCONTO FALLS ARPT-Use strips only. (3-26)
RICHLAND FLYING CLUB INC (SEXTONVILLE)-Equip. on fld. (5-5)
SHAWANO ARPT-Soft when wet-use rnwys only. (6-3)
SKY HAVEN ARPT (MILWAUKEE)-Use ctn on S 1/3 portion N/S strip. Stay on strip. (4-7)
STEVENS POINT ARPT-Use rnwys only. (5-23)
THREE LAKES ARPT-Const. (6-13)
TOMAH ARPT-N/S strip under const. (5-19)
TRUAX FLD (MADISON)-Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough. Flood lgts and svcg not avail. 2230 until 0700 daily with the exception of Thurs when flood lgts and svcg not avail. after sunset. (4-8)
WAUPUN ARPT, new-New arpt under const 2 mi WSW Waupun. Closed to trans acft. (3-15)
WINNEBAGO CO. ARPT (OSHKOSH)-Use rnwys only. All traffic left hand, 600' except E and NE which is right traffic 600'. (4-7)
[redacted]: ARCHER-RADIO: FM on E course of Cheyenne rng will be decomm soon.
★CASPER AAF-RADIO: Army AACS air/gnd stn in oper. (7-1)
CHEYENNE-RADIO: Soon, the Hillsdale VHF bone-shaped FM will be comm at lat 41-09-30, long. 104-31-30, 16.2 mi E of Cheyenne low freq range. Ident. one dash.
CHEYENNE ARPT-RADIO: CAA ILS will be comm soon. Voice equipped lclzr on 110.3 mcs. Ident. "CX". Lctd 457' W of the W end of the E/W rnwy. Mag heading for landing: 262°. Glide path on 335 mcs, lctd 982' W of approach end and 400' S of centerline of E/W rnwy. Middle mrkr lctd 3461' E from approach end E/W rnwy, keyed alt dots and dashes. Outer mrkr 32,274' E from approach end of E/W rnwy, keyed 2 dashes. Middle compass lctr on 230 kcs, ident. "X". Outer compass lctr on 260 kcs, ident. "C". (5-23) FLD: Equip. on fld days. Lgtd bldg between E/W rnwy and taxi strip, 1000' from E end. (7-7)
JACKSON MUN. ARPT-Cattle on fld intermittently. (6-13)
RAWLINS ARPT-Equip. on rnwys. (4-17)
ROCK SPRINGS MUN. ARPT-Use rnwys, taxiways only, bal fld unsafe-const. Equip. on fld. Glide path bldg 400' S and 750' from E end E/W rnwy. (7-8)
SHERIDAN CO. ARPT-N/S rnwy unsafe heavy acft. Taxi strips parallel all rnwys except N/S rnwy and terminate at ramp. Equip. on fld intermittently. Ctc Sheridan Rdo for fld lgts. (2-6)
WARDWELL FLD (CASPER)-Use rnwys, taxi strips only, bal fld rough. 40' unlgtd pole erected at 30 million candle pwr ceilometer projector 1000' N of hangar. (4-8)
WORLAND-ARPT-Strips under const. Equip. on strips days. Use with ctn. (5-21)

[redacted]
**FORT DIX-Danger area has been established for intensive firing of all types infantry weapons including heavy artillery in the following area: Effective between July 1 and Sept 15, beginning at lat 40-02-45, long. 74-25-50; thence to lat 39-56-45, long. 74-24-00; thence along RR to lat 39-56-00, long. 74-26-00; thence to lat 39-57-20, long. 74-27-40; thence along Road to lat 39-57-20, long. 74-33-30; thence N to lat 40-02-45, E to point of beginning.

NEW AIRPORTS

(These facilities will be found on both data page and chart)

FACILITY	LAT.	LONG	PAGE
ALABAMA			
Sylavan (Sylacauga)	33-10-30	86-17-00	116
ARIZONA			
Benson	31-57-30	110-15-30	102
CALIFORNIA			
Dow (Livermore)	37-42-00	121-50-30	74
Rowan (Stratford)	36-10-15	119-48-00	76
GEORGIA			
Camilla	31-12-45	84-14-30	132
IDAHO			
Shelley Mun.	43-25-30	112-07-00	24
ILLINOIS			
Sycamore	41-58-45	88-40-00	44
KENTUCKY			
Hartford	37-26-30	86-54-15	58
Jackson	37-32-45	83-22-15	60,62
Nelson Co. (Bardstown)	37-49-00	85-32-30	58
MAINE			
Fort Kent	47-16-00	68-35-00	17
Jackman	45-37-45	70-15-15	17
Prairie Arpk (Brownville Jct)	45-24-30	69-03-45	17
Snow (Bradford)	45-04-15	68-56-45	17
Swasey's (Enfield)	45-15-30	68-36-00	17
Twitchell's (Turner)	44-11-15	70-14-00	17
MASSACHUSETTS			
Mid-City (North Dighton)	41-49-15	71-07-30	56
MICHIGAN			
Aero Manor (Millett)	42-41-45	84-36-00	32
Cedar-Rock (Edgerton)	43-09-00	85-33-30	32
Danner Fld (Fenton)	42-49-00	83-42-00	32,48
David Airfld (Athens)	42-04-00	85-14-45	32
Flat Rock (South Rockwood)	42-03-30	83-18-45	140,48
Grant Mun	43-19-45	85-46-45	32
Hutchinson s Sunnyside (Moorland)	43-14-30	86-02-15	32
Irish Hills (Springville)	42-04-30	84-10-30	140
Jonesville-Merchant Fld	41-58-00	84-42-30	46
Lamm (Litchfield)	42-03-45	84-45-45	32
Marlette	43-20-45	83-04-45	32,48
Motor City Sky Park (Flint)	43-01-45	83-37-30	32
Navarre (Woodland Beach)	41-56-00	83-20-45	46
Otsego-Plainwell (Plainwell)	42-28-00	85-39-00	32
Richmond Fld (Gregory)	42-26-30	84-04-00	140
Sportmans Fld (Pinconning)	43-50-30	83-55-45	16,32
Union City	42-03-15	85-09-00	32
Waterloo	42-20-00	84-06-00	140
MINNESOTA			
Morgan	44-25-45	94-54-45	13
Sleepy Eye Mun	44-15-00	94-43-00	13
Southport (Rosemount)	44-43-45	93-12-45	13
Tracy	44-15-00	95-36-15	12
Waldoch Fld (Forest Lake)	45-13-15	93-05-45	13
Wheaton	45-47-00	96-32-45	12
NEBRASKA			
Sidney	41-06-00	102-59-00	34
NEW HAMPSHIRE			
Lafayette Fld (Portsmouth)	43-02-00	70-47-15	56
Riverside (Ashland)	43-44-30	71-40-15	56
Winchester Arpk	42-47-30	72-23-00	54

FACILITY	LAT	LONG	PAGE
NEW JERSEY			
Bridgeton-Deerfield (Bridgeton)	39-32-45	75-15-00	66
Brown (Pittstown)	40-34-15	75-58-45	70
Oliver (Millville)	39-24-45	75-01-15	66
Ramapo Valley (Mahwah)	41-06-15	74-09-45	54
Seabrook (Bridgeton)	39-29-00	75-11-00	66
NEW YORK			
Honesdale	41-33-00	75-14-00	52
Palmyra Arpk	43-04-30	77-14-00	52
Suffolk (Westhampton Beach)	40-51-30	72-38-30	54
Wallington (Sodus)	43-14-00	77-01-00	52
OHIO			
Montpelier Fly. Svc (W.Jefferson)	41-34-45	84-34-15	46
Sky Riders Inc (Pandora)	40-56-45	83-58-15	46
OREGON			
John Day	44-25-15	118-57-30	4
Sisters	44-19-00	121-32-15	1
Sutherlin Valley Awys (Sutherlin)	43-22-45	123-19-30	20
PENNSYLVANIA			
Carbondale-Clifford (Clifford)	41-39-15	75-34-45	52
Centre (Berwick)	41-01-30	76-21-45	52
E. Pittsburgh (Pittsburgh)	40-24-15	79-45-00	64
Mt. Pleasant-Scottdale (Mt. Pleasant)	40-06-30	79-32-30	64
Rockville-Danielsville (Danielsville)	40-47-30	75-30-00	66
Sharpsville Arpk	41-16-00	80-25-45	50
Slyder s (Emporium)	41-29-15	78-09-30	50
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JULY 6, 1967

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AERONAUTICAL CHARTS

U. S. Coast and Geodetic Survey Dates of Latest Prints

Dates in small type indicate minor changes which are not of sufficient importance to make the previous print obsolete. All charts carrying dates older than those shown in large type on this list are obsolete for use in flight.

SECTIONAL

Aberdeen	May 29, 1947	
Albany	Jan. 7, 1947	
Albuquerque	Mar. 7, 1947	
Arcostook	Dec. 31, 1946	
Austin	Jan. 28, 1947	
Beaumont	Jan. 28, 1947	
Bellingham	Apr. 30, 1947	
Birmingham	Apr. 11, 1947	
Boise	May 1, 1947	
Boston	Jan. 14, 1947	
Burlington	Dec. 31, 1946	
Butte	May 7, 1947	
Casper	May 16, 1947	
Charlotte	Apr. 21, 1947	
Chattanooga	Apr. 22, 1947	
Cheyenne	May 17, 1947	
Chicago	Dec. 24, 1946	
Cincinnati	Apr. 13, 1947	
Cleveland	Jan. 7, 1947	
Corpus Christi	Feb. 4, 1947	
Dallas	Mar. 21, 1947	
Del Rio	Jan. 22, 1946	Jan. 28, 1947
Denver	Mar. 11, 1947	
Des Moines	June 13, 1947	
Detroit	Dec. 31, 1946	
Douglas	Jan. 14, 1947	
Dubuque	Oct. 2, 1945	Dec. 12, 1946
Duluth	May 28, 1947	
Elko	May 1, 1947	
El Paso	July 25, 1946	Jan. 17, 1947
Fargo	June 15, 1947	
Glacier Park	May 12, 1947	
Grand Canyon	Mar. 11, 1947	
Grand Junction	Mar. 11, 1947	
Green Bay	June 9, 1947	
Huntington	Apr. 21, 1947	
Jacksonville	Feb. 7, 1947	
Kansas City	Mar. 18, 1947	
Klamath Falls	Apr. 29, 1947	
Kootenai	May 21, 1947	
La Grande	Apr. 23, 1947	
Lake Huron	Dec. 30, 1946	
Lake Superior	June 15, 1947	
Lake of Woods	May 24, 1946	Nov. 19, 1946
Lewiston	Jan. 8, 1947	
Lincoln	May 29, 1947	
Little Rock	Mar. 19, 1947	
Los Angeles	Feb. 25, 1947	
Miami	Feb. 24, 1947	
Miles City	May 6, 1947	
Milwaukee	Dec. 31, 1946	
Minot	May 21, 1947	
Mobile	Feb. 3, 1947	
Mt. Shasta	Apr. 25, 1947	
Mt. Whitney	Feb. 21, 1947	
Nashville	Apr. 7, 1947	
New Orleans	Jan. 29, 1947	
New York	Jan. 9, 1947	
Norfolk	Apr. 25, 1947	
Oklahoma City	Sept. 23, 1946	
Orlando	Feb. 13, 1947	
Phoenix	Mar. 3, 1947	
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Portland	Apr. 20, 1947	
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San Antonio	Jan. 28, 1947	
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San Francisco	Feb. 21, 1947	
Savannah	Apr. 18, 1947	
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Trinidad	Sept. 16, 1946	
Tulsa	Mar. 26, 1947	
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Washington, D.C.	Apr. 21, 1947	
Wichita	Mar. 5, 1946	Sept. 16, 1946
Williston	May 5, 1947	
Winston-Salem	Apr. 25, 1947	
Yellowstone Park	May 9, 1947	

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WAC 215	Apr. 18, 1947	WAC 266	Dec. 2, 1946	WAC 309	Jan. 10, 1947	WAC 364	Feb. 17, 1947	WAC 467	Feb. 4, 1947
WAC 216	Apr. 21, 1947	WAC 267	May 26, 1947	WAC 310	Jan. 14, 1947	WAC 404	Feb. 28, 1947	WAC 468	Feb. 3, 1947
WAC 217	May 2, 1947	WAC 268	May 9, 1947	WAC 357	Apr. 11, 1947	WAC 405	Feb. 27, 1947	WAC 469	Jan. 22, 1947
WAC 218	May 16, 1947	WAC 269	Apr. 25, 1947	WAC 358	Apr. 9, 1947	WAC 406	Mar. 13, 1947	WAC 470	Jan. 29, 1947
WAC 219	May 16, 1947	WAC 304	Apr. 30, 1947	WAC 359	Apr. 1, 1947	WAC 407	Mar. 25, 1947	WAC 471	Jan. 15, 1947
WAC 262	Dec. 19, 1946	WAC 305	May 18, 1947	WAC 360	Mar. 25 1947	WAC 408	Apr. 2, 1947	WAC 522	Jan. 30, 1947
WAC 263	Dec. 19, 1946	WAC 306	Dec. 2, 1946	WAC 361	Mar. 15, 1947	WAC 409	Apr. 8, 1947	WAC 525	Feb. 13, 1947
WAC 264	Dec. 18, 1946	WAC 307	Dec. 4, 1946	WAC 362	Mar. 15, 1947	WAC 410	Apr. 17, 1947		
WAC 265	Dec. 5, 1946	WAC 308	Dec. 12, 1946	WAC 363	Feb. 17, 1947	WAC 466	Feb. 11, 1947		

RADIO DIRECTION FINDING

1-DF	Sept., 1946	21-DF	Jan. 3, 1947	24-DF	May 18, 1947	Brownsville	Jan. 29, 1947	New York & Vicinity	Aug. 6, 1946
2-DF	Sept., 1946	22-DF	Jan. 15, 1947	25-DF	Apr. 3, 1947	Los Angeles	Mar. 4, 1947	San Diego	Mar. 18, 1947
3-DF	Jan., 1947	23-DF	Mar. 4, 1947	26-DF	Apr. 23, 1947	Miami	Feb. 18, 1947	Seattle	Nov. 28, 1946
								Washington	June 6, 1947

LOCAL

WORLD AERONAUTICAL - ALASKA

WAC 62	Feb. 1946	Nov. 1946	WAC 77	Mar. 1947	WAC 119	Feb. 1947	WAC 138	Jan. 1947	
WAC 63	Jan. 1947		WAC 78	Feb. 1947	WAC 135	Nov. 1946	WAC 139	Mar. 1946	Dec. 1946
WAC 64	Mar. 1946	Dec. 1946	WAC 117	Feb. 1947	WAC 136	Jan. 1947	WAC 186	Mar. 1946	Dec. 1946
WAC 76	Feb. 1947		WAC 118	Mar. 1947	WAC 137	Feb. 1947			

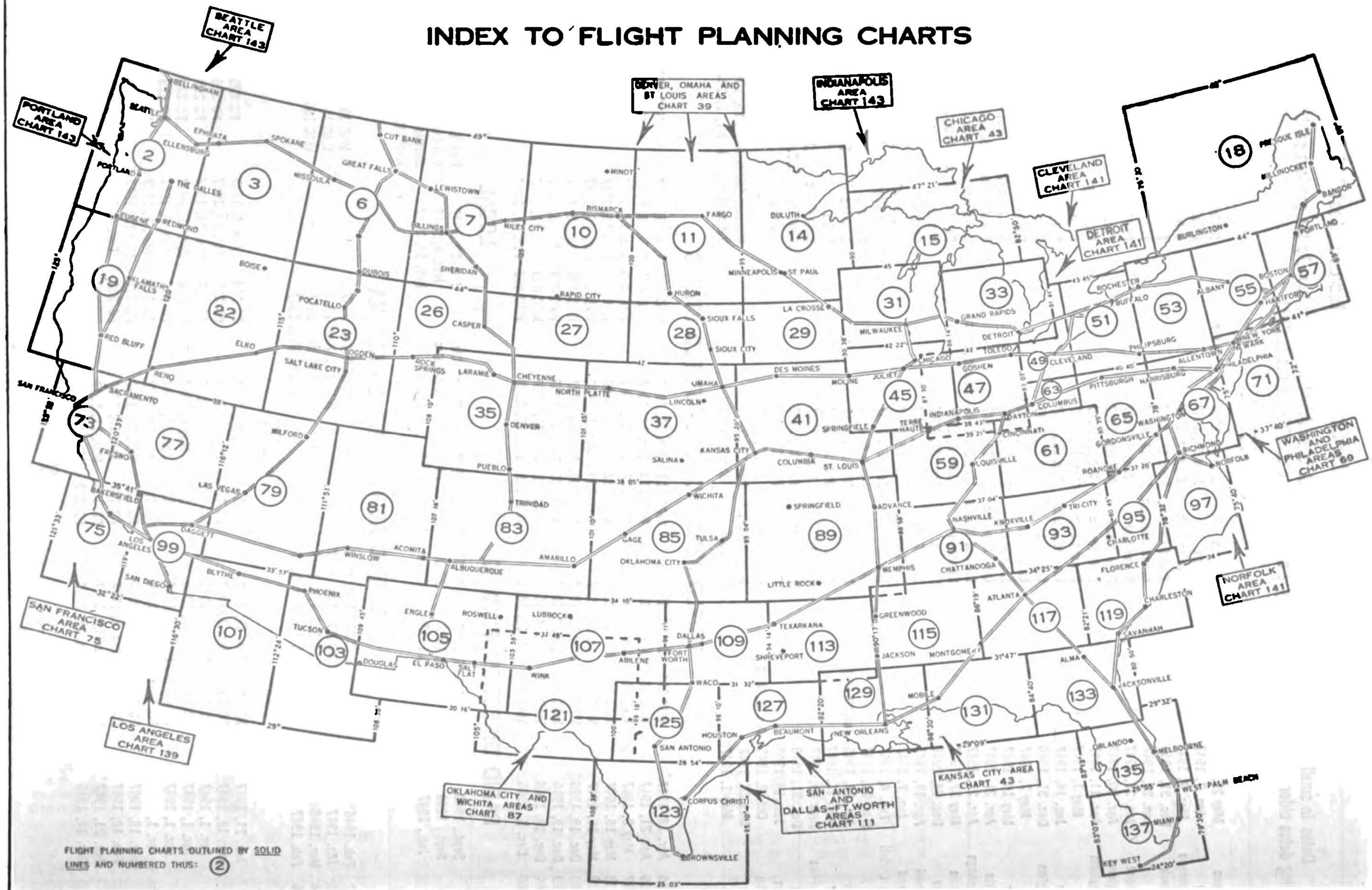
FLIGHT

FC 3	Jan. 21, 1947	FC 14	Feb. 18, 1947	FC 178	May 12, 1947	FC 214	Jan. 5, 1947	FC 225	Dec. 19, 1946
FC 4	Mar. 18, 1947	FC 15	Apr. 1, 1947	FC 181	Jan. 14, 1947	FC 216	Apr. 24, 1947	FC 226	Dec. 12, 1946
FC 6	Apr. 1, 1947	FC 16	Dec. 24, 1946	FC 182	Feb. 12, 1947	FC 217	Mar. 21, 1946	FC 227	Dec. 30, 1946
FC 7	Apr. 1, 1947	FC 42	Nov. 19, 1946	FC 183	May 6, 1947	FC 218	Apr. 16, 1947	FC 228	Jan. 14, 1947
FC 8	Apr. 1, 1947	FC 43	Feb. 17, 1947	FC 184	Apr. 11, 1947	FC 219	Mar. 5, 1947	FC 229	Jan. 17, 1947
FC 9	Apr. 1, 1947	FC 173	Nov. 25, 1946	FC 185	May 10, 1947	FC 220	Mar. 7, 1947	FC 230	Jan. 31, 1947
FC 10	Mar. 18, 1947	FC 174	Dec. 2, 1946	FC 186	Feb. 10, 1947	FC 221	May 12, 1947	FC 231	Jan. 14, 1947
FC 11	Feb. 18, 1947	FC 175	Jan. 8, 1947	FC 187	Feb. 16, 1947	FC 222	Dec. 2, 1946	FC 232	Apr. 7, 1947
FC 12	Jan. 21, 1947	FC 176	Mar. 28, 1947	FC 188	Mar. 13, 1947	FC 223	Nov. 21, 1946	FC 233	Mar. 25, 1947
FC 13	Dec. 24, 1946	FC 177	Jan. 18, 1947	FC 213	Feb. 6, 1947	FC 224	Dec. 8, 1946	FC 234	May 27, 1947

PLANNING

3060b	Mar. 4, 1947	3069a	July 9, 1946

INDEX TO FLIGHT PLANNING CHARTS



SPECIAL NOTICE

Because of appropriation cuts, the charts and data pages of the Airman's Guide are to be eliminated. The Guide of August 5, 1947, will be the last one to contain this material. Adjustments for subscribers will be made by the Government Printing Office on a basis to be announced in the issue of August 5th.

Thereafter, the C.A.A. will issue a bi-weekly Notice to Airmen (without charts and data pages, which will retain the name Airman's Guide). It will also issue a semi-annual Directory of Airports.

Radio Facility Charts (depicting all aeronautical radio facilities but no airports except those radio range-associated and/or tower-controlled) will be available from the Coast and Geodetic Survey, Department of Commerce, on a loose-leaf, for-sale basis.

A prospectus covering the Coast and Geodetic Survey charts may be found on page 177.

RECEIVED
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AIRMAN'S GUIDE

NOTICES TO AIRMEN
DIRECTORY OF AIRPORTS
AIR NAVIGATION RADIO AIDS

VOL. 2, NO. 9 ..... JULY 22, 1947

This issue includes all data on record as of 0001 E.S.T. on the date above. For later information consult teletype NOTAMS.

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
OFFICE OF AVIATION INFORMATION

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GUIDE CONTENTS

THE AIRMAN'S GUIDE IS A COMPOSITE DIRECTORY OF AIRPORTS, AIR NAVIGATION RADIO AIDS, AND NOTICES TO AIRMEN. ON THE DATA PAGES ARE TABULATED ALL THE DATA COVERING THE FACILITIES CHARTED ON THE BACKING PAGES. THIS PRESENTATION IS GRADUALLY BEING REVISED, HOWEVER, SO THAT EVENTUALLY THE DATA PAGES WILL FACE THE CHARTS.

INDEX OF FACILITIES

TO FIND THE NUMBER OF THE PAGE ON WHICH A FACILITY IS CHARTED, REFER TO THE INDEX OF FACILITIES BELOW. AS OUTLINED ABOVE, THE DETAILED DATA FOR THE FACILITY WILL BE FOUND ON THE DATA PAGE BACKING, OR FACING, THE CHART.

NEW DATA PRESENTATION

(A) ON THE DATA PAGES BACKING OR FACING THE CHARTS, NEW DATA OR REVISIONS ARE INDICATED BY ARROWS; (B) IN THE NOTICES TO AIRMEN SECTION, CITATIONS COVERING NEW OR REVISED RADIO DATA ARE PREFIXED BY ONE LARGE STAR " ★ " CITATIONS COVERING NEW OR REVISED AIRPORT, OR MISCELLANEOUS DATA ARE PREFIXED BY TWO ASTERISKS "**"

DATA PAGE NOTAMS

BECAUSE OF THE SERIOUS PAPER SHORTAGE, THE DATA PAGES, WHERE POSSIBLE, HAVE TO SERVE AS NOTAM (NOTICES TO AIRMEN) PAGES. RESULTANTLY, MOST OF THE NEW DATA FORMERLY NOTAMIZED IN THE NOTICES TO AIRMEN SECTION WITH PREFIXED LARGE STARS OR DOUBLE ASTERISKS ARE NO LONGER CARRIED IN THAT SECTION. ONLY COMMISSIONINGS, ABANDONMENTS, OR CHANGES SO POTENTIALLY HAZARDOUS THAT THEY ARE INDICATED WITH Ⓡ (FOR RED FLAG) SYMBOLS ON THE CHARTS, ARE NOW CITED IN THE NOTICES TO AIRMEN SECTION. NOTAMIZING ON THE DATA PAGES IS EFFECTED BY THE USE OF PREFIXED ARROWS AS IN THE FORMER AIR NAVIGATION RADIO AIDS PUBLICATION. ANY CHANGES FROM THE PREVIOUS ISSUE, WHETHER CITED IN THE NOTICES TO AIRMEN SECTION, OR NOT, ARE INDICATED BY THE PREFIXED ARROWS. FOLLOWING ARE EXAMPLES OF CHANGES NOTAMIZED ONLY ON THE DATA PAGES: FIELD OBSTRUCTION, SERVICING, ELEVATION, LOCATION, AND RUNWAY LENGTH CHANGES. BECAUSE OF THE USE OF THE PREFIXED ARROWS AS NEW DATA INDICATORS, A FURTHER INNOVATION HAD TO BE ADOPTED. THIS IS A TINTED HORIZONTAL LINE FOLLOWING THE LAST TABULATED FACILITY AND TITLED EITHER NEW RADIO FACILITIES OR NEW AIRPORTS.

HOW TO USE THE AIRMAN'S GUIDE

NEW FACILITIES ON DATA PAGES

SPACE BELOW THE TINTED HORIZONTAL LINES ON THE DATA PAGES HAS BEEN RESERVED AS A SUPPLEMENT FOR NEW RADIO AIDS AND AIRPORTS WHOSE DATA WERE RECEIVED AFTER THE DATA PAGES WERE ORIGINALLY TYPED. REVISIONS TO EXISTING AIRPORTS AND RADIO AIDS ARE SUPER-IMPOSED ON THE OLD DATA. NEW AIRPORTS AND RADIO AIDS HOWEVER, ARE LISTED, NECESSARILY OUT OF ALPHABETICAL ALIGNMENT, BELOW THE TINTED HORIZONTAL LINES UNTIL THE PAGE IS RE-TYPED.

CHART NOTAMS

NOTAMIZING ON THE CHARTS IS EFFECTED BY USE OF THE SUPERIMPOSED Ⓡ AND Ⓟ SYMBOLS. THE Ⓟ (FOR RED FLAG) INDICATES A VERY HAZARDOUS CONDITION OR A MAJOR CHANGE. THE Ⓞ SYMBOL (FOR ORANGE FLAG) INDICATES A MINOR CHANGE OR HAZARDOUS CONDITION WITH THE FACILITY STILL USABLE WITH CAUTION. THE PERTINENT DETAILS TO WHICH THESE SYMBOLS REFER WILL BE FOUND LISTED IN THE NOTICES TO AIRMEN SECTION UNDER THE FACILITY NAME (AND STATE) BY WHICH THEY ARE CHARTED.

Ⓡ and Ⓞ SYMBOLS

THESE SYMBOLS WERE ADOPTED FOR SUPER-IMPOSITION OVER CHARTED FACILITIES TO INDICATE HAZARDOUS CONDITIONS AND COVERING NOTICES TO AIRMEN. THUS, IF A CHART USER NOTES NO SYMBOL ON THE FACILITIES HE IS PLANNING ON USING, THERE IS NO NECESSITY FOR HIM TO WADE THROUGH THE 30-ODD PAGE NOTICES TO AIRMEN SECTION

NOTICES TO AIRMEN SECTION

ALL TEMPORARY CONDITIONS (FIELD SOFT, RUNWAY UNDER CONSTRUCTION, RANGE COURSE OUT OF ALIGNMENT, ETC) ARE CITED IN FULL IN THE NOTICES TO AIRMEN SECTION UNTIL THEY ARE NO LONGER IN EFFECT. WHEN A CITATION CARRIES A PERMANENT ITEM AND A TEMPORARY ITEM, THE PERMANENT ITEM IS UNDERLINED. PARENTHETICAL DATE AT END OF ITEM INDICATES TIME ITEM WAS REPORTED. TO CONFORM TO CHART PRACTICE, ALL FACILITY DATA ARE LISTED IN THE NOTICES TO AIRMEN SECTION AND ON DATA PAGES ALPHABETICALLY BY STATES AND BY FACILITY NAME. THUS, AN AIRPORT WILL BE FOUND LISTED ALPHABETICALLY UNDER ITS OWN NAME RATHER THAN UNDER ITS LOCALE'S NAME. IF THE AIRPORT OR RADIO FACILITY NAME IS OTHER THAN THAT OF THE CITY IN WHICH IT IS LOCATED, THE LOCATION IS SHOWN IN PARENTHESIS AFTER THE FACILITY NAME.

SPECIAL NOTICES

NOTICES OF NATIONAL INTEREST, OF GREAT IMPORTANCE, OR OF NON-LOCALIZED NATURE, WILL BE FOUND AT THE BEGINNING OF THE NOTICES TO AIRMEN SECTION.

CIVIL FACILITY CHANGES: ADVISE WHOM

PLEASE ADVISE THE OFFICE OF AVIATION INFORMATION, ATTENTION A-250, C.A.A., DEPARTMENT OF COMMERCE, WASHINGTON 25, D.C. AS SOON AS TEMPORARY CONDITIONS COVERING CIVIL AIRPORTS OR NAVIGATIONAL AIDS BEGIN OR TERMINATE, OR FLIGHT HAZARDS ARE ERECTED OR REMOVED. FIELD DATA REVISIONS SHOULD BE SUBMITTED TO THE NEAREST C.A.A. DISTRICT AIRPORT ENGINEER.

TO ALL SUBMITTERS OF AIRMAN'S GUIDE DATA

AN UNDER-MANNED STAFF PREVENTS AN INDIVIDUAL ACKNOWLEDGMENT OF DATA SUBMITTED FOR THE AIRMAN'S GUIDE BY TELEGRAM, TELETYPE DISPATCH, OR LETTER. YOUR COOPERATION IN PERMITTING A GUIDE CITATION TO SUFFICE AS AN ACKNOWLEDGMENT WILL BE APPRECIATED.

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FM - FAN MARKER
H - NON-DIRECTIONAL RADIO BEACON
R - RADIO RANGE
T - AIRPORT WITH CONTROL TOWER

N.B. ALL FACILITIES WITHOUT A LETTER SUFFIX ARE AIRPORTS. NAMES NOT FOLLOWED BY A NUMBER SUFFIX ARE NOT AIRPORTS BUT MERELY GEOGRAPHICAL LOCATIONS.

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Excelsior Spgs A,FM(41)
Farmington (89)

Fayette Fly.Fld. (41)
Fenton,
" Sylvan Beach (39)
Festus,Lucas (39)
Fulton (41)
Gallatin,Daviess (41)
Garden City,Wright(41)
Gideon (89)
Grant City
" Edwards Arpk (41)
Gravois Mills
" Mel Adkins Resort
Hannibal (41) (41)
Harrisonville (43)
Houston,King. (89)
Iberia, Eads (41)
Independence (43)
Jefferson City (41)
Joplin R, A (89)
Kansas City R,T (41,43)
" Heart of America(43)
" Kansas City-Grandview (43)
" Ong (43)
Kennett (89)
" Sexton (89)
Kirksville A, R (41)
" Arpk (41)
Kirkwood,Weiss (39)
Knobnoster
" Sedalia (41)
Lebanon (89)
Lexington (41)
Linkville FM (41,43)
Luray (41)
McBride,Chester (89)
Macon,Stephenson(41)
Malden AAF (89)
" Dexter (89)
" Gideon (89)
Marceline (41)
Marshall H, A (41)
" Nicholas (41)
Maryville (41)
Mexico,Green (41)
Moberly,Bradley (41)
Monett (89)
Neosho Com. (89)
" Mun. (89)
Neubeiser (39)
Nevada (89)
New Florence H,A (41)
Osborn (43)
Popular Bluffs,Earl (89)
Rolla (89)
St. Charles,Kratz (39)
" St. Charles (39)
St. Joseph R (41,43)
" Rosecrans T(41,43)
St. Louis R (39,41)

" Lambert-St. Louis
" Ross (39) T(39,41)
" Neubeiser (39)
" Starling (39)
St. Peters FM (39,41)

Sedalia (41)
" AAF (41)
Sikeston (89)

Slater (41)
Spanish Lake H,FM (39,41)
Springfield A,R (89)
" McFarland Fly.Svc. (89)
" Rogers (89)
Tarkio H, A (37,39)
Trenton,Vaughn (41)
Unionville Awyss (41)
Valley Park
" Meramec (39)
Versailles (41)
Vichy R, A (41)
Warrensburg (41)
West Plains
" Sky Haven (89)
Windsor,Huston (41)

MONTANA

Alberton FM (6)
Baker (10)
Belt FM (6)
Big Timber (7)
Billings R,T,LFM (7)
Birney
" Bones Bros. Ranch
Bozeman R (6) (7)
" Gallatin (6)
Butte A, R (6)
Cascade FM (6)
" Bob Gordon (6)
Chester (6)
Chinook (7)
Choteau (6)
Circle (7)
Columbus (7)
Conrad (6)
Custer R, A (7)
Cut Bank A, R (6)
Deer Lodge (6)
Dell Flight Strip (6)
Denton (7)
Dillon R, A (6)
Drummond R, A (6)
Ennis (6)
Eureka (3)
Flathead Nat'l Forrest
" Basin Creek (6)
" Big Prairie (6)
" Black Bear (6)
" Condon (6)
" Holbrook (6)
" Meadow Creek (6)
" Schaeffer (6)
" Spotted Bear (6)
Forsyth (7)
Fort Benton (6)
Fort Peck (7)
Gardiner (6)
Gates Park (6)
Geraldine,Tanner (6)
" Geraldine (6)
Geyser (6)
Glasgow,Valley Co.(7)
Glendive (10)
Great Falls R,T (6)
" AAF T (6)
Gregson
" Rainbow Skyport (6)
Hamilton (6)

NEW FACILITIES: International Falls,Minn.(14) Buffalo, Mo.(89) Pittsville,Mo.(41) Joplin, Mo.,Harper (89) Seymour, Mo.,Owen (89) Van Buren, Mo.(89) Willow Springs, Mo.(89) Dixon, Mo.(89) Exeter, Mo.,Clover Hill (89) Fredericktown, Mo.(89) Gainesville, Mo.(89) Quabbin, Mass H, FM (55) Grand Marais. Mich R (15) Bridger,Mont.(7) Pelkie,Mich.,Baraga (15) New Baltimore, Mich.,Anchor Bay (33) Armada,Mich(33) Bad Axe,Mich.(33) Chesaning,Mich.(33) Fremont,Mich.,City of Fremont (33) Howell,Md.,Midway(67) Hally,Mich.(33) East Tawas,Mich.,Iosco Co.(33) New Hudson,Mich.,Knapp (141) Lowell, Mich.(33) Plainwell,Mich.,McKay (33) Albion,Mich.,Morgan's (33) Gobles,Mich.,Wesler (33) Brainerd,Minn., Pine Beach (14) Red Oak.Mich.,Lost Creek Sky Ranch (15) Topaz,Mich., Big Bear (15) Tawas City,Mich (33) Gaithersburg,Md.,Davis (67) Hanover.Mass.,Clark (57) Coldwater,Mich.,Branch Co.(47) Graafschap,Mich.,Tulip City (31,33) L'Anse,Mich.,Muzzy's (15) Monroe,Mich.,Custer (47,49) Springfield,Minn.(14) Quinnesec,Mich.,Northland (15) Romeo,Mich.(33) St. Johns (33) Utica,Mich.(33) Kentwood,Miss.(129) Carrollton,Mo.(41) Eldon,Mo.,Model Arpk (41) Galt,Mo.,Ace High (41) Gorin,Mo.,Wylles (41) Hayti,Mo.,Downing (89) Kahoka,Mo.,Montgomery (41) Lucerne,Mo.,Myers-Hughs(41) Owensville,Mo.,Depperman (41) Palmyra,Mo.(41) Rushville,Mo.,East Atchison (43) St. Clair,Mo. (41) St. Joseph,Mo.,Glenata (43) Dexter,Mich.,Washtenaw (141) St. Joseph,Mo.,Lake Contrary (43) Trenton,Mo.,Embry (41) Tuscumbia,Mo.,Sky Lake (41) Warrensburg,Mo.,Sky Haven (41) Warrenton,Mo.,Zims (41) Warsaw,Mo.(41) Berkley,Mass.,Myricks (57) Benoit,Miss.,McCain(113) Charleston,Miss.,Sayle(115) Crystal Springs,Miss.(113) Merigold,Miss.,Jones(113) South Hadley.Mass.(55) North Dighton,Mass.,Mid-City(57) Gregory,Mich.,Richmond(33) Jonesville,Mich.(47) Union City,Mich.(33) Round Lake,Miss.,Watts(113) Edgarton,Mich.,Cedar Rock(33) Fenton,Mich.,Dauner (33) Flint,Mich.,Motor City(33) Grant,Mich.,Mun.(33) Marlette, Mich.(33,49) Millett,Mich.,Aero Manor(33) Wheaton,Minn.(11) Moorland,Mich.,Hutchinson's Sunnyside(33) Piconning,Mich.,Sportsman(15,33) Plainwell,Mich.,Otsego-Plainwell(33) Springville,Mich.,Irish Hills(141) Waterloo,Mich.(33) Woodland Beach,Mich.,Navarre(47,49) South Rockwood,Mich.,Flat Rock(141) Forest Lake,Minn.,Waldoch(14) Morgan,Minn.(14) Rosemount,Minn.,Southport(14) Sleepy Eye,Minn.,Mun.(14) Tracy,Minn.(11)

Hardin
" Big Horn Co. (7)
" Zelka (7)
Harlem (7)
Harlowton (7)
Havre City-Co. (7)
Helena R, T (6)
Homestake LFM (6)
Hot Springs (6)
Huson,Six Mile (6)
Ingomar (7)
Jordan (7)
Kalispell (6)
" Flathead Co. (6)
Lavina (7)
Lewistown A, R (7)
Libby (3)
Livingston (6)
" Mun. A,R (6)
Malta Arpk (7)
McDonald Pass FM (6)
Mildred (7)
Miles City A, R (7)
Missoula R (6)
" Hale (6)
" Missoula Co. (6)
Moore (7)
Mullan Pass R (3)
Nibbe FM (7)
Park City FM (7)
Plains (6)
Plentywood (10)
Polesbridge
" Quarter Circle M.C
Polson (6) Ranch (6)
Poplar (7)
Rapelje (7)
Red Lodge (7)
Roundup (7)
St. Xavier (7)
Scobey (7)
Seeley Lake (6)
Shelby,Toole Co. (6)
Sheridan (6)
Sidney (10)
Stanford FM (6)
Stevensville (6)
Superior R, A (6)
Tampico,Etchart (7)
Thompson Falls (3)
Townsend (6)
Troy (6)
Twin Bridges (6)
Valier (6)
Vida, Vme (7)
West Yellowstone (6)
Whitehall R, A (6)
Whitetail FM (6)
White Sulphur Spgs (6)
Winston FM (6)
Wolf Point (7)
" Gustafson-Anderson (7)

NEBRASKA

Ainsworth (28)
Alliance AAF (27)
" Mun. (27)
Atkinson (28)
Auburn (32)
Bayard (35)
Beatrice (37)
Beaver City,Hewett's
Benkelman (37) (37)
Big Springs (35)
Blair (39)
Bradshaw (37)
Brainard (37)
Broken Bow (37)
Bruning (37)
" Hawks (37)
Chadron H,A (27)
Chappell (35)
Clay Center (37)
Columbus (37)

Crawford (27)
Crete (37)
David City (37)
Decatur,Eagleton (39)
Elgin (37)
Fairbury (37)
Falls City (39)
Fort Robinson (27)
Franklin,Lakeside (37)
Fremont (37)
Geneva, Fairmont (37)
Gordon (27)
Gothenburg (37)
Grand Island R (37)
" Central (37)
Harvard (37)
Hastings (37)
" Sky Ranch (37)
Hayes Center R,A (37)
Hay Springs (27)
Hebron (37)
Holdrege (37)
" Mun. (new) (37)
Humboldt, Hew's (39)
Imperial (37)
Kearney (37)
" AAF H,T (37)
Lewellen, Patty's(35)
Lexington (37)
Lincoln A,R (37)
" Arrow (37)
" Union (37)
" Waverly (37)
Lisca (35)
Lorenzo (35)
McCook (37)
" AAF (37)
Mead FM (37,39)
Mitchell (35)
Nebraska City
"Grundman (39)
Norfolk (37)
North Platte R (37)

Oakland (37)
Offutt T (39)
Ogallala (35)
Ohiowa (37)
Omaha R, T(37,39)
" Clear Ridge (39)
" Offutt T (39)
O'Neill Mun. (28)
Ord (37)
Oshkosh (35)
Overton (37)
Pender (28)
Potter,Bar 'J' Lazy V(35)
" Idle Acres (35)
Ravenna (37)

Rushville,Modisett(27)
Schuyler (37)
Scottsbluff R,A (35)
Scribner (37)
Seneca (27)
Sidney (35)
Sidney,Int.H,A (35)

Stratton, Hall (37)
Stuart, Skrdla (28)
Tecumseh (39)
Valentine (27)
Valley (39)
Wayne (28)

West Point (37)
York (37)

NEVADA

Alamo,Pahranagat (79)
Austin (22,77)

Battle Mountain A,R(22)
" Flight Strip(22)
Boulder City (79)
Buffalo Valley (22)
Caliente (79)
Carlin FM (22)
Carson City (77,22)
Crystal FM (79)
Deeth FM (22)
Elko R (22)
" Keddie (22)
Ely, Yelland (23)
Fallon A,R (77,22)
" Lahontan (77,22)
Fernley (77,22)
" Lahontan (77,22)
Gabbs (77).

Goodsprings FM(79)
Hawthorne (77)
Humboldt R,A (22)
Indian Springs (79)
Las Vegas T,R (79)
" Alamo (79)
" Hoot Gibson's(79)
" Sky Haven (79)
" Vegas Sky Corral(79)
Lovelock (22)
" Int. (22,77)
Manhattan (77)
Minden
" Douglas-Tahoe (77)
Mormon Mesa (79)

Owyhee (22)
Reno R A (77,22)
" Hubbard T (77,22)
San Jacinto (23)
Scottys (77)
Searchlight (79)
Smith,Smith Val'y (77)
Sparks (22,77)
" Reno Sky Ranch(22,77)
Tonopah A, R (77)
" AAF (77)
" Bomb.&Gun.Rng(77)

Wadsworth FM (22,77)

Winnemucca (22)
" Int. (22)
Yerrington (22, 77)

NEW HAMPSHIRE

Berlin (18)
Boscawen FM (57)
Claremont (55)
Concord R, A (57)
Conway, Valley (57)
Grenier R, T (57)
Haverhill,Dean Mem'l(18)
Hampton (57)
Hinsdale,Brattleboro—
Hinsdale Arpt. (55)
Hooksett Land & Seapl.
Keene (55) (57)
" Dillant-Hopkins (55)
Laconia (57)

Lebanon A, H (55)
Manchester,Grenier
R, T (57)
Nashua, Boire (57)
" Webster (57)
" Gate City Arpt (57)
Newport (55)
North Conway, White
Mountain (18)
Plymouth (57)
Portsmouth (57)
Sommersworth,Wayside
Twin Mtn.(18) (57)
Winchester(55) (57)
Wolfeboro,Lakes Region

NEW JERSEY

Andover,Trinca (71)
Asbury Park FM,A(71)
Ashland, Echelon (69)
Atlantic City (71)
" NAS T (71)

Barrington,Merrill(69)
Basking Ridge Sommer-
set Hills (71)
Belmar,Monmouth Co.
(71)
Belvidere,Martins
Creek (53)
Bendix,Teterboro T(71)
Blackwood (69)
Blairstown,Lake Sus-
quehanna(53,71)
Boonton,Acft Rdo Corp.
Bridgeport (69) (71)
Bridgeton,Buck's (67)
Burlington (69,71)
Caldwell-Wright T (71)
Camden,Central (69)
Cape May (71)
" Courthouse Smith(71)
Cassville LFM (71)
Chatsworth,Coyle (71)

Clinton,NW Jersey (71)
East Hanover (71)
Elizabeth LFM (71)
Florence (69,71)
Forked River A,FM (71)
Fort Dix (71)
Freehold FM (71)
Glassboro,Triangle (69)
Greenwich (67)
Hackettstown (71)
Hightstown (71)
Lakehurst R,T (71)
Lakewood (71)
Landisville,Downstown
Lebanon FM (71) (71)
Lincoln Park (71)
Marlton-Medford (69)
Matawan R (71)
Metuchen FM (71)
Millville A, R. (67)
Moorestown (69)
Morristown (71)
Mt. Holly (69,71)
Newark R, T (71)
New Brunswick, Hadley
(71)
" North Brunswick(71)
Ocean City,Clarke (71)
Paterson,Murchio (71)
Pennington (71)
Penns Grove (67)
Pitman (69) (67)
Pittstown,Alexandria
Princeton,Nassau(71)
Rahway,Westfield (71)
Readington,Solberg-
Hunterdon (71)
Red Bank (71)
Richland,Cavolios (71)
Salem (67)
Somnerville,Somerset
Sussex (55) (71)
Toms River (67)
Trenton (71)
" Mercer Co.(69,71)
" Trenton (new)(69,71)
Vineland,Kroelinger(67)
Wildwood (71)
Woodbine (71)
Woodbridge, Shinn-
Woodbridge (71)
Woodbury (69)
Wrightstown,Ft.Dix(71)

NEW MEXICO

Acomita A, R (81)
Alamogordo A,R (105)
" AAF (105)
Albuquerque A, R (83)
" Alameda (83)
" Cutter-Carr #2 (83)
" Graham Bell (83)
" Kirtland T (83)
" Sky Court (83)
" West Mesa (83)
Anton Chico (83)
Artesia (105)
Aztec (81)
Belen (83)
" Art Goebel (83)
Berino,Valley (105)
Carlsbad A,R (105,121)
" Mun. (105,121)
" Carlsbad #1 (105,121)
" John J. Small (105,121)

Carrizozo (105)
Clayton (83)
Clovis R,A, (83)
" AAF T (83)
" Hillcrest (83)
Columbus R,A (105)
Cubero (81)
Cuervo (83)
" Holbrook's (83)
Deming Arpk (105)
" AAF (105)
" Center (105)
" Skytel (105)
Des Moines,Wetherly(83)
Dora (107)
Eagle Nest (83)
El Morro R, A (81)
Engle R, A (105)
Farmington (81)
Ft. Sumner (83)
" #5 (83)
Gallup (81)
" Gallup City (81)
Hachita (105)
Harrington Ranch FM
(105)
Hobbs R, A (107,121)
" AAF T (107,121)

Hot Springs (105)
Hurley (105)
Jal,Continental(107,121)
Juan Tomas FM (83)
Las Cruces (105)
" Mun. (105)
" Int. (105)
Las Vegas A, R (83)
Lordsburg (103,105)
Lovington (107)
Magdalena (105)
Maxwell A, FM (83)
Mesilla Park,State
College (105)
Milnesand, Fly 'M' (107)
Mountainair (83)
Mt. Riley (105)
Otto R, A (83)
Peralta FM (83)
Portales (107)
Raton,Crews ((83)
" Eagle Tail (83)
Rodeo R,A, (103,105)
Roswell (105)
" Com. (105)
" B & B (105)
" AAF R, T (105)
" AAF #3 (105)
Roy (83)
Ruidoso,Parker (105)

Santa Fe (new)H,A(83)
" (old) (83)
Shiprock,Indian Svc (81)
Silver City (105)
" Whitehill(105)
Socorro (105)
Springer (83)
Strauss,Jundt (105)
Taos (83)
Tucumcari A, R (83)
Tularosa (105)
Wagon Mound (83)

NEW YORK

Accord
" Cliff Haven (55)
Albany A, R (55)
Albion (51)
Amityville,Zahns (71)
Angola A, FM (51)
Amsterdam (55)
Angelica (53)
Arcade (51)
Armonk,Westchester-
Auburn (53) (55)
Auriesville FM (55)
Ballston Spa (55)
Barker Trade Sch. (55)
Batavia (51)
Bayport,Davis (71)
Bedford,White (55)
Beekman,Lime Ridge
(55)
Bethpage,GrummanT(71)
Billings,Freedom
Plains (55)
Binghamton (53)

Boonville (53)
Brentwood,Bender (71)
Brocton-Becker (51)
Buffalo R,T (51)
Burt,Lakeview (51)
Canastota (53)
Carlisle,Briggs (55)
Carthage (53)
Catskill Valley (55)
Cheektowoga FM (51)
Cicero (53)
Clarence,Co.Club (51)
Clayton,Sunnybrook (18)
Colonie FM (55)
Commack,Carll Skyport
Cooperstown (55) (71)
Corinth (55)
Cortland (53)
Dansville A, H (53)
Deer Park (71)
Delanson,Sky Haven (55)
Depew,Transit (51)
Dunkirk A, H (51)
" Werle (51)
E.Amherst,Steffen(51)
E.Greenbush (55)
E.Hampton (55)
E.Pembroke FM (51)
" Pembroke (51)
Edgemere,Rockaway
Elizabeth (55) (71)
Elmira R (53)
" Chemung Co. (53)
" Pine City (53)
Endicott,Tri-Cities T
Falconer (51) (53)
Farmingdale,Republic
T (71)
Fisher's Isl,Elizabeth
(55)
Flatbush H,FM (71)
Flushing (71)
Floyd Bennett R,T, H
(71)
Fort Plain,Stone Arabia
" Int. (55) (55)
Fredonia (51)
Fulton (53)
" Arpk (53)
Gardenville,Buffalo(51)
Geneva,Mason (53)
Getzville,Audubon(51)
Glens' Falls H,A (55)
" Warren Co. (55)
Gloversville,Glove City
" Steenburg (55) (55)
Gowanda (51)
Greenridge,Hughes (71)
Halcott Ctr,Halcott (55)
Hamburg Arpk (51)
" Erie Co. (51)
Hamilton,Colgate U.(53)
Hammondsport,Bath-
Hammondsport (53)
" Mercury (53)
Hancock (53)
Hempstead,Mitchel R,
T (71)
" Nassau (71)
Herkimer,Hayduk (55)
Hicksville Arpk (71)
" Avia .Co.Club (71)
Hilton (53)
Honeoye Falls (53)
Hornell (53)
Horseheads,Eagle (53)
Hudson Falls (55)
Idlewild R (71)
Islip,MacArthur T (71)
Ithaca (53)
" Cayuga (53)
Jamestown (51)
Johnstown,Vaughan (55)
" Fulco (55)
Keene,Marcy (18)
Keeseville (18)
Kingston (55)
" Kingston-Ulster (55)
Kirksville (53)
Lake Placid (18)
Lake View (51)
Lancaster,Scott (51)
Livingston,Manor (55)
Lockport,Graf (51)
" Lee (51)
Mahopac (55)
Malone-Dufort (18)
Margaretville-Fleisch-
man (55)
Massapequa
" Fitzmaurice (71)
Massena A, R (18)
" Stewart (18)
Mastic (71)
Mattituck (57)
Medina (51)

Mexico,Ladd's (53)
Middleburg,Valley(55)
Middletown,Randall's
" Starhaven (55) (55)
Millerton (55)
Mineola,Roosevelt (71)
Minoa (53)
Mitchel R, T (71)
Montgomery (55)
" U.S.Mil.Acad.#1 (55)
Monticello-Sullivan Co.
(55)
Montour Falls,Martin
(53)

Narrowsburg (53)

New Baltimore,Farly's
(55)
Newburgh,StewartR,T
(55)
" Stanton's-Newburgh
Cub Port (55)
New City,Christie (55)
" Rockland (55)
New Hackensack A,R (55
New Paltz (55)
New Rochelle H,FM
(71)
New Springville,Staten
Island (71)
New York NAS,Floyd
Bennett R,T (71)
" La Guardia R,T (71)
Niagara Falls T (51)
North Tonawanda,Co.
Line (51)
" Shawnee Fly.Svc.(51)
Northville,Sacandaga
Park (55)
" Plateau (55) (53)
Norwich,Warren Eaton
Norwood,Reagan (18)
Nyack,Miller (55)
Ogdensburg (18)
Olcott, Palmer (51)
Olean (51)
Oneonta,Keyes (53)
Orchard Park (55)
Owasco,Bonnie Brae
(53)
Painted Post (53)
" Costa's (53)
Peekskill,Croton (55)
Penn Yan (53)
Perry Central (51)
" Fly. Svc (51)
Piseco (55)
Pittsford,Brizee (53)
Plattsburg,mun. (18)
Port Chester FM (71)
Port Jervis,Huguenot
(55)
Potsdam,Damon (18)
Poughkeepsie,
" Arlington (55)
Pulaski,Ross (53)
Ravena (55)
Red Creek (53)
Rexford,Long Meadow
(55)
Rhinebeck,Cozine(55)
Richland (53)
Richmondville
" Schoharie (55)
Ripley (51)
Rochester R,T (53)
" Comm. (53)
" Meacham-Genessee
" Hylan (53) (53)
" Ridgeway (53)
Rockaway Park EFM
Rome T (53) (71)
Rushville (53)
Salamanca (51)
Saranac Lake (18)
Saratoga Spgs FM (55)
Sayville (71)
Schenectady Co. (55)
" Intercity (55)
Schuylerville (55)
Scottsville (53)
Selkirk (55)
Seneca Falls (53)
Sidney (53)

Silver Creek (51)
Silver Springs (51)
Somers (55)
Springville (51)
Spring Valley,Co.(55)
Stewart R,T (55)
Stormville (55)
Syracuse A,R (53)
" Mun T. (53)
Ticonderoga (55)
Tonawanda (51)
Travis,Richmond Co.
Troy (55) (71)
Tupper Lake (18)
Utica A,R (53)
" Smithport (53)
Valley Stream,
Columbia (71)
Walden,Newburgh-
Walden (55)
Wallkill,U.S.Mil.Acad.
#2 (55)
Wappingers Falls (55)
Warwick-Wickham (55)
Watertown R,(53)
" Bradley (18)
Wellsv'l,Crowner(53)
Westfield (51)
Westhampton Beach
" Suffolk Co. (55)
Westport (18)
White Plains,
" Westchester Co. T
(55)
Whitesville,
Community (53)
Williamsville,Sheridan
(51)
Wilson Flying Fld (51)
Wingdale (55)
Wollcottsville FM (51)
Wurtsboro (55)

NORTH CAROLINA

Aberdeen (95)

Asheboro (95)
Asheville-Henderson-
ville (93)
" Josephson (93)
" Owens (93)
Atlantic (97)
Aydelette FM (97)
Barco (97)
Beaufort-Morehead
City (97)
Belmont (95)
Black Mountain (93)
Bogue (97)
Brevard,H & B (93)
Burgaw (97)
Burlington (95)
" Fairchild (95)
Camp LeJeune T (97)
Camp MacKall (95)
Candor (95)
Carolina Beach(97,119)
Chadbourn Duke (95)
" Hogan (95)
Charlotte R (95)
" Cannon (95)
" Delta (95)
" Douglas T (95)
" Plaza (95)
Cherry Point R (97)
" MCAS T (97)
Clinton (97)
Concord (95)
" Coley (95)
Derita,Brockenbrough
(93,95)
Draper,Tri-City (95)
Durham (95)
" Pharis (95)
Eagle Spgs,Parkers(95)
Edenton FM, A (97)
Elizabeth City T (97)
" Woodville (97)
Elkin (95,93)
Enfield (97)
Erwin (95)
Fayetteville (95)
Ft.Bragg,Balloon (95)
" Pope R,T (95)
Franklin (93)
Gastonia,Mun.(95,93)

NEW FACILITIES: Ainsworth, Neb.,Mun.(28) Trenton, Neb. (37) Prattsville, N.Y.(55) Jonesville,N.Y.,Jewett (55) Errol, N.H. (18) Littleton,N.H.(18) Geneva,Neb.,Flying Service (37) Grand Island,Neb.,Roush (37) Kearney,Neb.,Harmon (37) Republican City,Neb.,Waldo Air Service (37) Superior,Neb.,Mun. (37) Ashland,N.H.,Riverside (57) East Jaffrey,N.H.,Silver Ranch (55) Franklin,N.H.,Awys Inc.(57) Columbus,N.J.,Mahalchik (71) Woodston,N.J. (67) Jamesburg,N.J.,Forsgate Arpk Inc.(71) New Brunswick,N.J.,Mid-Jersey(71) Robbinsville,N.J.,Trenton-Robbinsville (71) Rocky Hill,N.J.,Princeton (71) Vineland,N.J. (67) Williamstown,N.J.,Star Harbor (71) Palmyra,N.Y.(53) Deming,N.M.,Cooper (105) Estancia,N.M.(83) Grants,N.M.,Landing Strip (81) Lordsburg,N.M.,Kuykendall (103,105) Moriarty,N.M.,Longhorn (83) Duanesburg,N.Y. (55) Ghent,N.Y.,Kline-Kill (55) Sayville,N.Y.,New Sayville (71) Abbottsburg,N.C.,Dowless (95) Ayden,N.C.(97) Bladenboro,N.C.(95) Coats,N.C.,Smith's (95) Creswell,N.C.(97) Fort Calhoun,Neb. FM (37) Wisner,Nebr.,Heller(37) Portsmouth,N.H.,Lafayette(57) Whitefield,N.H.,White Mountain(18) Blackwood,N.J.,Almonesson(69) Bridgeton,N.J.,Seabrook(67) Mahwah,N.J.,Ramapo Valley(55) Pittstown,N.J.,Brown(71) Sodus,N.Y.,Wallington(53) Albemarle,N.C.(95) Tekamah,Nebr.(37) Wahoo,Nebr.(37) Breton Woods,N.J.,Ocean Co.(71) Zepher Cove,Nev.,Tahoe Sky Harbor(77) Maine,N.Y.,Nanticoke Valley(53) Calco Stack,N.J. H (71) Bridgeton,N.J.,Bridgeton-Deerfield(67) Millville,N.J.,Oliver(67) Linden,N.J. H (71) Geneva,N.Y.,Scenicaire(53)

Gastonia,Spindale City (93,95)
Gibsonville, McLean Bros. (95)
Goldsboro, Seymour-Johnson (97)
Greensboro R (95)
" High Point T (95)
" Routh (95)
Greenville (97)
Henderson (97)
Hendersonville (93)
Hickory (95,93)
High Point,Fraley(95)
Hoffman, Camp McKall AAF (95)
Jacksonville (97)
Julian,Gilmore #1 (95)
Kannapolis (95)
" Carolina Arpk (95)
Kings Mtn (95,93)
" Bridges(95,93)
Kinston (97)

" Smith (97)
Laurinburg, Pine Acres (95)
Lexington (95)
Lillington (95)
Lincolnton (95,93)
" Burris (93,95)
Louisburg,Franklin(97)
Lumberton H (95)
Manteo FM (97)
" Roanoke Isl. (97)
Marion, Francis Marion (93)
Marion, Laurinburg-Maxton (95)
Mayodan,Mayo (95)
Micaville (93)
Mocksville (95)
Monroe (95)
" Mun. (95)
Mooresville,Harris (95)
Morganton
" Lenoir (93)
Morehead (97)
Mt. Airy (95)
" Colonial (95)
Mt. Olive (97)
New Bern FM (97)
" Simmons-Knott(97)
New River, Camp Le Jeune T (97)
Newton,Conover (95)
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Oak Grove T (97) 93)
Oxford,Young (95)
Pinehurst,Knollwood(95)
Plymouth (97)
Polloksville,Oak Grove
Pope R,T (95) (97)
Raeford,Upchurch (95)
Raleigh A,R, (95)
" C.A.P. (95)
" Raleigh-Durham T
Red Spgs,Brooks(95) (95)
Reidsville (95)

" Warf (95)
Rockingham-Hamlet(95)
Rocky Mount (97)
" Avalon (97)
Roxboro (95)
Salisbury (95)
Sanford Lee Co.(95)
Selma (97)
Seymour-Johnson(97)
Shelby, Bridges (93)
" Byars (93)
Silver City,Gilmore(95)
Southern Pines,
" Skyline (95)
South Mills FM (97)
Spindale,Rutherford (93)
Statesville (95,93)
Sylva (93)
Tarboro (97)
Thomasville (95)
" Pauls Arpk (95)
Wadesboro (95)
" W & L Awys (95)
Wallace (97)
Warrenton (97)
Washington,Warren(97)
Weeksville R,T (97)
West Jefferson (93)
White Lake,Beach(97)
Whiteville (95)
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" Bluethenthal(97,119)
" Pelfler (97,119)
Wilson (97)
Windsor,Spivey (97)
Wingate,McLeod (95)
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" Smith Reynolds T(95)
Yanceyville,Caswell(95)
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Ashley H,A (11)
Beach (10)
Bismarck A,R (10)
Bottineau (10)
Bowman (10)
Cando (11)
Carrington,Mathény(11)
Crosby (10)
Dawson (11)
Devils Lake (11)
" Bell (11)
Dickinson A,R (10)
" Worth (10)
Driscoll FM (10)
Fargo R (11)
" Hector T (11)
Fessenden,Mohr(11)
Glen Ullin (10)
Golva (10)
Grand Forks A,R(11)
Harvey (11)
Hettinger (10)
Jamestown A,R (11)
Judson FM (10)
Killdeer,Ho (10)
Langdon (11)
Lisbon (11)
Maddock (11)
Minot R (10)
" Port O'Minot (10)
Mohall (10)
Mott,Wyman (10)
New England (10)
New Rockford (11)
Parshall (10)
" Miller (10)
Pembina R,A (11)
Portal (10)
Rhame (10)

Rolla (11)
Rugby (10)
Towner (10)
Valley City (11)
Wahpeton, School of Science (11)
Washburn (10)
Watford City (10)
West Fargo LFM (11)
Wheatland FM (11)
Williston (10)
" Chandler (10)
" Wright (10)
Wyndmere,Homestead (11)

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" Ward (141)
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" Akron-Canton (49)
" Martin (49)
" McKinley (49)
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Chardon (141)
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" Scioto Trail (63,61)
" Skypark (63,61)
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" Campbell (61)
" Cheviot (61)
" Lakewood (61)
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" Mt. Healthy (61)
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" Clickenger (63)
" Lockbourne T (63)
" Norton (63)
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" Port Columbus T(63)
" Price (63)
" Sullivant Ave. (63)
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" Dahio (47)
" South Dayton (47,61)
" Wright T (47)
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Fairfield R,FM(47,61)
" Patterson T (47)
Findlay A,H (49,47)
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Jackson,Shumate (63,61)
Kellys Isl.,Fenwick(49)
Kent, Kent State (49)
Kenton,Cedar Lawn(63,47)
Lancaster (63,61)

LeRoy,Westfield (49)
Lewisburg,Midway(47)
Lewistown,Voss (63,47)
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Lockbourne T (63)
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Lorain City (141)
" Skyport (141)
Loveland FM (61)
Magnolia (63)
Mansfield (49)
" Gage (49)
Marietta (63,61)
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Mason,Attaway (61)
Massillon,Noble (49)
Medina,Prichard(49)
Middletown (61,47)
Minford,Knore(63,61)
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Mt.Liberty FM(63)
Mt.Orab FM (63,61)
Mt. Vernon,Wynkoop(63)
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Newark A,FM (63)
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" New Westville (47)
New Philadelphia (63)
North Benton,Miller(49)
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North Royalton LFM(49
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" Arpk (49)
" Parks Arpk (49)
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Rushylvania,Port Core (47)
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Sharonville, Cincinnati (61)
Sidney (47)
Solon (141)
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" Crabill (63,47)
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" Airways (51)
" Port Warren (51)
" Tyndall (51)
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" Euclid Avenue (141)
" Lost Nation (141)
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" Clinton Co.T,FMH (63)
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Youngstown R,T (51)
" Bernard (51)
" Bird (51)
" Watson (51)
Wright T (47)
Zaleski (61)

Zanesville A,H (63)
" Briggs (63)
" Commerce (63)
" Riverside (63)

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Ada (85)
" Community (85)
" Walker (85)
Afton, Monkey Is.(89)
Altus (85)
" Mun. (85)
" Olustee (85)
" Walker (85)
Alva (85)
Anadarko (85)
Antlers (85)
Anthony A,H (85)
Ardmore A, H (85)
" Int. (85)
Arnett (81)
Atoka (85)
Bartlesville (85)
" Phillips T (85)
Beaver (85)
Blackwell (85)
" Marks (85)
Boise City (83)
" Comm #2 (83)
Bristow (85)
Buffalo (85)
Calumet, Bomhoff(87)
Carnegie,Dukes (85)
Cherokee,Jim,Ray(85)
Chickasha (87)
" Mariash (87)
Claremore,Rogers
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" Victory (85)
Cordell (85)
Cushing (85)
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Delhi (85)
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Duncan,Halliburton(85)
Durant,Comm. (109)
" Baker (109)
Edmond,Central (87)
Elk City, Bennett (85)
El Reno (87)
" Mustang (87)
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" North (85)
" Woodring (85)
Erick, Haddock (85)
Ft. Cobb, Caddo (85)
Ft. Sill, Post T (85)
Frederick (85)
Gage A, R (85)

Grandfield (85)
" Mun. (85)
Great Salt Plains (85)
Guthrie (87)
Guymon (new)(83)
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Hartshorne (85)
Healdton, Davis (85)
Heavener (89)
Henryetta, Hawk's(85)
Hinton, Kingfish(85)
Hobart (85)
" Hunters (85)
Holdenville (85)
Hooker, Gustin (83)
Hugo,Weddington (109)
Idabel (109)
Jefferson, Kittenbrink (85)
Jet, Great Salt Plains (85)
Kingfisher (87)
Lamont,White Bros(85)
Langston,Univ. (87)
Lawton (85)
" Cameron College(85)
Lexington,Purcell (87)
Lone Wolf,Hohmann(85)
McAlester (85)
Mangum,Ponder (85)
Marietta FM(109)
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Moore, Wheatley (87)
Moseley,Brown Univ(89)
Muskogee,Davis (85)
" Hatbox-Muskogee(85)
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Newkirk,Skypark (87)
Norman,Westheimer (87)
Nowata (85)
Okemah (85)
Oklahoma City R,LFM (A)(85,87)
" Garthoeffner (87)
" Nuckols (87)
" Tinker R,T (87,85)
" Tulakes (87)
" Wiley Post (87)
" Will Rogers T(87,85)
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" Com. (85)
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Pawhuska (85)
Perry (85)
Picher,Jameson (89)
Ponca City,A,H (85)
Post T (85)
Poteau (89)
Pryor, Long (85)
Red Fork FM (85)
Roosevelt R (85)
Sapulpa (85)
Sayre (85)
Seiling
" - Cook's (85)
Seminole (85)
Sentinel, Mem'l (85)
Shawnee Mun. (85)
Skiatook FM (85)
South Coffeyville
" Jensen (85)
Stillwater #1 (85)
" #2 (85)
Stilwell (89)
Stroud (85)
Sulphur (85)

Tahlequah (89)
Thomas, Kell-Air(85)
Tinker R,T (85,87)
Tishomingo (85)
Tonkawa (85)
Tulsa R,T (85)
" Brown T (85)
" Commercial (85)
" Harvey Young (85)
" North (85)
Verdigris River FM(85)
Vici (85)
Vinita, Fallin (85)
" Topper (85)
Walters (85)
Washington FM (87,85)
Watonga (85)
Waynoka
" - Kelsey (85)
Weatherford (85)
Wetumka, Boren (85)
Wewoka, com. (85)
" mun. (85)
Woodward (85)
" mun. (85)
Yukon, Cimmaron (87)
" Lake View (87)

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Albany (2)
Alkali Lake (22)
Arlington (2)
Astoria,Clatsop Co.R(2)
Aurora (143)
Baker A,R (3)
Bay Ocean FM (2)
Beaver Marsh (19)
Beaverton, Barnard
Bend, new (3) (143)
" old (2)
Boardman (3)
Brooks, Sky Acres (3)
Burns (22)
" Roe Davis (22)
Cabbage Hill FM (3)
Canby (143)
Cave Junction
" Illinois Valley (19)
Corvallis (2)
Corvallis Jct. (2)
Cottage Grove A,FM(19)
Cow Creek (19)
Creswell, B &H(19)
Dallas (2)
Denmark,Curry Co. (19)
Eagle Pt.,Blue Star(19)
Enterprise (3)
Eugene R,A (2)
" Mahlon Sweet (2)
" Willamette (2)
Grants Pass (19)
Gresham,R.O.K.(143)
Harrisburg (2)
Hermiston (3)
Hillsboro (143)
Hood River (2)
Idanha,Santiam Jct. (2)
Joseph (3)
Klamath Falls A,R (19)
La Grande A,H,FM (3)
Lakeside (19)
Lakeview (19)
Lebanon (2)
Lexington (3)
McNary (2)
Madras (2)
McMinnville (2)
Medford R,T (19)
" Piercy (19)
Milton, Oregon Sky Ranch (3)
Milwaukee,Wells (143)
Monmouth, Adams (2)
Mulino,Green Acres(143)
Myrtle Creek (19)
Newburg,Sportsman(143)
Newport (2)
North Bend (19)
Ontario H (3)
Oregon City, Sky Park (143)
Pendleton R, T (3)
" Airways Inc. (3)
Portland R,T(2,143)
" Dwyer (143)
" Birdsdale (143)
" Troh's Skyport (143)
Prineville (2)
Redmond R (2)
" Roberts (2)
Riddle, Tri-City (19)
Rome (22)
Roseburg (19)
Scappoose, Columbia Co. (143)
Seaside (2)
Silverton, Adams (2)
Sutherlin,Sky Ranch(19))
Sweet Home,Lebanon (2)
The Dalles A,R (2)
Tillamook H, T (2)
" Coastway Sch. (2)
Trail Fld (19)
Troutdale (143)
Vale (22)
Vernonia (2)
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Willamette FM (2,143)
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" Tulana (19)

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" Bethlehem (53,67)
" Convair (67)
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"Stultz (65)
Ambler, Wings T (69)
Andreas, E.Penn (53)
Annville, Millard (67)
Athens,Chemung Val'y
Beaver Falls (53)
" Patterson Heights (51)
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" - Green Acres (53)
Bedford (79)
Bellefonte (53)
Berwick (53)
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Bradford,Harri-Emery (51)
" McKean Co. (51)
Bristol, Kaiser (69)
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Brookville H,A (51)
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Butler-Alameda (51)
" Pittsburgh-Butler(51)
Canadensis,Barrett(53)
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" - Reigel (67)
Carlisle FM,A (67)
" Centerville (67)
Cecil H,FM (65)
Chambersburg (67)
" Sunset Airways (67)
Charleroi, Star Val'y (65)
Chester, Benedict (69)
" Buckman (69)
Clarion,Parker Cramer
Clearfield (51) (51)
Coatesville (67)
Collegeville
" Perkiomen (69)
Conneaut Lake (51)
Connellsville (65)
Conway (51)
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Cresson (65) (51)
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Danville (53)

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Easton (53) (65)
" Bethlehem-Easton (67)
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Lock Haven (51)
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Mars,Perry (51) (51)
Martinsburg,Blair (65)
Matamoras (55)
Meadville
" Penn-Mead (51)
" Port Meadville (51)
Mercer (51)
Middletown FM (67)
" Olmsted T (67)
Millbrook R (51)
Milton (53)
Mohrsville,Estler (67)
Montgomeryville
" Gloster (69)
Morrisville (69)
" Skyhaven (71)
Mt. Jewett (51)
Mt. Pleasant (65)
Mt. Pocono (53)
Mt. Union (67)
Muncy,Skyview Acres
Mustin T (53)
Myerstown, Lebanon Co. (67)

NEW FACILITIES: Maiden,N.C.,Grigg & Bynum (93) Gold Beach, Oreg.,Leith's (19) Spindale,N.C.,McDonald (93) Stanfield,N.C. (95) Malvern,Pa.,Paoli-Malvern (67) Division Street,Oreg(143) Fairview, Oreg.,Skylife(143) Lebanon,Ohio,Hightman (61,47) Jonesville,N.C.,Rendezvous (93,95) Morganton,N.C.,Riverside (93) Roanoke Rapids,N.C.,Halifax Co.(97) Winterville,N.C.(97) Woodville,N.C.(97) Argusville,N.D.,Walkinshaw (11) Selfridge,N.D.(10) Page,N.D.,Conrad Bros.(11) Ada,O.(47,49) Alliance,Ohio,Whiteley (49) Archbold,Ohio,Short's (47) Austintown,Ohio (51) Bluffton,Ohio,Flying Service(47,49) Bryan,Ohio (47) Continental,Ohio (47) Lake Milton,Ohio (51) Newton Falls,Ohio (49) North Kingsville,Ohio,Stout (51) North Lima,Ohio,Calvin (51) North Lima,Ohio,Elser (51) North Lima,Ohio,Welsh Fly. Svc.(51) North Madison,Ohio,Tuttle (49) Woodworth,Ohio,Southern Awys (51) Mt.Holly,N.C.(93,95) Springfield,Oreg.(2) Berwick,Pa.,Centre(53) Carbondale,Pa.,Carbondale-Clifford(53) Pandora, Ohio,Sky Riders(47) West Jefferson, Ohio,Montpelier (47) John Day, Oreg.(3) Sisters,Oreg.(2) Sutherlin,Oreg.,Sutherlin Valley(19) Danielsville,Pa.,Rockville-Danielsville(67) Emporium,Pa.,Slyder's(51) Monongahela,Pa.,Thompson(65) Honesdale,Pa.(53)

New Alexandria A,FM
New Castle (51) (65)
New Hanover (67)
" Layfield (67)
New Kingston,Taylor (67)
Nicholson-MtnView(53)
Norristown,Patco(69)
" Valley Forge(69)
NorthSpringfld FM(51)
Oil City,Splane (51)
Olmsted T (67)
Olyphant,Mid Val'y(53)
Osceola Mills (55)
Paoli,Phila.Main Line (67)
Philadelphia, Budd (69)
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Springfield,Hartness
Swanton,Austin (18) (55)
Vergennes FM (18)
White River Junction
" Twin State (55)

VIRGINIA

Alberta (97)
Alexandria A,FM (67,69)
" Beacon (69)
" Crossroads (69)
Altavista (95)
Annandale,Springfield
Arcola R (67) (69)
Bedford (95)
Big Spring Gap
" Powell Valley (93)
Blacksburg,V.P.I. (95)
Blackstone A,R (97)
Bristol (93)
Cape Charles (97)

Charlottesville, Univ. of Virginia (65)
Chester FM (67)
" Midway (67)
Chilhowie FM,A (93)
Chincoteague T,R (67)
Clarksville- Finchley
Clover (95) (97)
Covington (65)
" Clifton Forge (65)
Creeds (97)
Dahlgren NAF T (67)
Danville A, H (96)
Dawn FM (67)
Deep Creek FM (97,141)
Drivers,Monogram (141)
Eclipse FM (97,141)
Emporia (97)
Falls Church (69)
Farmville (97)
Fentress (141)
Franklin (141)
Fredericksburg
" Shannon (67)
Front Royal R (65)
" Stokes (65)
Galax (93,95)
Gordonsville A,R (65)
" Int. (65)
Greys Pt.,Hummell (67)
Hampton,Peninsula (141)
Harcom (67)
Harrisonburg,Hartman
Herndon FM (67,69) (65)
" Blue Ridge (67)
Hopewell (97)
Hot Spgs., Ingalls (65)
Langley R, T (97,141)
Lawrenceville (97)
Leesburg (67)
Lexington (65)
Lively (67)
Lynchburg R (65)
" Preston Glenn T (65, (95)
" Timberlake (65)
Manassas (67)
Martinsville (95)
" Lester (95)
Melfa Flgt Strip (67)
Milford (67)

Montvale,Buford's (65)
Mt.Vernon H,FM (69
Narrows (65) (67)
Norfolk R, T (97,141)
" Glenrock (141)
" NAS, Chambers (141)
" NAS,East R,T (97,141)
" S. Norfolk (141)
Oceana T (141)
Ononcock,Johnson (67)
Orange Co.(Orange) (65)
Parksley (67)
Petersburg (97)
" Colonial Hgts. (97)
Portsmouth,Cumberland
Pulaski R,A (61,95) (141)
Pungo (141)
Quantico R,T (67,69)
Radford (95)
Richlands (93)
Richmond R (67)
" Byrd T (67)
" Central (67)
" Hermitage (67)
" Northfield (67)
Roanoke R (95)
" Woodrum T (95)
Shenandoah (65)
Staunton (65)
Suffolk (65)
Tappahannock (67)
Virginia Beach (141)
Warrenton,Zieger (67)
Waverly (141)
Waynesboro,Augusta
" Valley (65) (65)
Weems,Currell's (67)
Weirwood,Kellam (67)
West Point (67)
Williamsburg,Scott (97)
" Wm & Mary (97)
Winchester (65)
Windsor,Garner (141)

WASHINGTON

Aberdeen,Moon Isl (2)
Almira, "JZ" (3)
Arlington Aero Sch (2)
Auburn (143)
Bellevue, Lake (143)

Bellingham (2)
Blaine (2)
Bothell,Kenmore (2)
Bremerton,Kitsap Co. (143)
Burlington,Skagit Valley Air Svc (2)
Camano Island FM (2)
Camas,Groves (143)
Chehalis,Co.-City (2)
Chelan (3)
Cheney,Savage (3)
Clarkston,Asotin Co.(3
Cle Elum (2)
College Place
" Martin (3)
Colville (3)
Connell (3)
Coulee City (3)
Coupeville (2)
Davenport (3)
Deer Park (3)
Dungeness FM (2)
Easton FM, A (2)
East Sound,Orcas Is.(2)
Ellensburg R (2)
" Bowers (2)
Enumclaw (143)
Ephrata A, R (3)
Everett A,R (2)
" Paine (2)
Forks (2)
Geiger (3)
Goldendale (2)
Harrington FM, A (3)
Huntsville,Tochet Valley (3)
Hobart FM (2)
Ilwaco (2)
Issaquah,Seattle Sky Ranch (143)
Kelso (2)
Kennewick,Twin City (3)
" Vista (3)
Kent (143)
Kittitas,Cameron (2)
La Conner FM (2,143)
La Crosse (3)
Lakeview FM (2,143)
Lind (3)
McChord R, T (2,143)
Mead, Wallace (3)
Metaline Falls, Sullivan Lakes (3)
Moses Lake (3)
Mt. Vernon,Barker & Dean (2)
" OLP T (2)
Neah Bay R (2)
Newport (3)
North Bend,Snoqualmie Pass (2)
Okanogan-Legion (3)
Olympia (2)
Omak,Okanogan (3)
Opportunity,Lemon (3)
Orchards,Evergreen
Oroville,Scott (3) (143)
Pasco (3)
Paterros,Anderson (3)
Port Angeles CGAS T
" Clallam Co. (2) (3)
Port Orchard, South Port Orchard (143)
Port Townsend,Co-City
Prosser (3) (2)
Pullman-Moscow Reg.
Puyallup (143) (3)
" Northern Tacoma
Quillayute (2) (143)
Renton,Boeing-Renton (143)
Republic,Fairweather (3)
Richland Air Base (3)
Ritzville (3)
Rosalia (3)
Seattle R (2,143)
" NAS H.T (143)
" Boeing T (143)
" Seattle-Tacoma (143)
Shelton,Mason Co. (2)
Silverdale, Apex (143)
Snohomish (2)
Spanaway,Forest Grove
" Acft.Co. (143) (143)
Spokane R (3)
" AAF T (3)
" Calkins Air Term
" Felts T (3) (3)
" Geiger (3)
Sprague (3)
Stevenson FM (2)
Sunnyside (3)
Tacoma (143)
" Arpk (143)
" Barrys Sky Harbor (143)
" City View Arpk (143)
" Lakewood (143)

" McChord R,T (143,
Toledo-Winlock (2) 2)
Tonasket (3)
Toppenish (2)
Twisp (2)
Vancouver (143)
" Mun. (143)
Vista (3)
Walla Walla R (3)
" AAF T (3)
Washougal FM (2,143)
Washtucna (3)
Wenatchee, Pancher (2)
" Pangborn (2)
Westport (2)
Whidbey Island R,N,T
Wilbur (3) (2)
Winthrop,Intercity (2)
" Pasayten (2)
Woodland FM (2,143)
Yakima R (2)
" County T (2)

[redacted]

Buckley, Scott (61,63)
Buchanan,Lewis (63)
Bunker Hill, Ridgeway (63)
Burlington, Baker (63)
Charleston R (61,63)
" Bollinger (61,63)
Clarksburg, Benedum
Elk Garden (66) (66)
Elkins A, R (65)
Glendale (65)
Greenbrier (65)
Hinton (65,61)
Hollidays Cove
" Weirton (65)
Huntington R (61,63)
Logan (61,63)
Marlinton (65)
Martinsburg A,R (65,67)
" North End (67)
Moorefield (65)
Morgantown A,R (65)
New Cumberland, Herron (65)
Parkersburg,Stewart
" Wood Co. (61,63) (61,63)
Paynesville H (61,63)
Penco Spgs. Hinton Alderson (65,61)
Petersburg (65)
Princeton (63,61)
Ravenswood (63,61)
Romney (65)
Ronceverte (65)
Spencer,Roane Co. (63,
Sutton (65,61) 61)
Terra Alta,Forman (65)
Weston, Bennett (65)
Wheeling-Ohio Co.R
White Sulphur (65)
" Greenbrier AAF (65)
Williamson,Morris (63,63)
Winfield,Clark (63,63)

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Amery (14)
Antigo (15)
Appleton, Outagamie (5
Arbor-Vitae (15) 31)
Ashland (14)
Baraboo,Bell-Aero (31)
Barron (14)
Beaver Dam (31))
Black River Falls
" Jackson Co. (14)
Bloomer, Pines (14)
Boulder (15)
Boyceville (14)
Brodhead,Bill's (31)
Camp Douglas -
Camp Douglas - Camp Williams (29, 31)
Camp McCoy (29) 31)
Cedarburg, Grob (31)
Chetek (14)
Chippewa Falls (14)
Clintonville (15,31) (31)
Colby-Abbotsford (14,
Cumberland Mun. (14)
Dallas (14)
Darlington,Red Rock (29,31)
DePere, Nicolet (15,31)
Durand, Schlosser (14)
Eagle River (15)
Eau Claire (14)
" (Mun.) (14)
Elkhorn (31))
Fifield, Boyd's Mason Lake (14)
Fond du Lac (31,15)
Genessee FM (31)
Grantsburg (14)
Green Bay, Brown Co. (15,31)

Green Lake (15,31)
Hales Corner, Wisconsin Skyways (31)
Hayward (14)
Hudson Fly.Svc. (14)
Janesville City (31)
" Rock Co. (31)

Kenosha A,FM (31)
Kohler (15,31)
La Crosse A,R (29)
" Int (29)
Ladysmith,Rusk Co (14)
Lake Delton, Wisconsin Dells Lake Delton (31)
Land O'Lakes, King's Gateway (15)
Lone Rock R,A (29,31)
Madison R (31)
" Morey (31)
" Four Lakes (31)
" Truax (31)
Medford,Taylor Co (14)
Manitowoc (15,31)
Manitowish
" - Waters Arpt (15)
Marshfield (14,31)
Merrill (15)
Milwaukee R (31)
" Brown Deer (31)
" Curtiss-Wright (31)
" Mitchell T (31)
" Skyhaven (31)
" Maitland (31)
Minong, Hultquist's Sky Ranch (14)
Monroe, Badger (31)
Neenah, Val'y Arwys
Nellisville (14) (15,31)
Oconto Mun (15,31)
Oconto Falls (15,31)
Omro, Ginnow (15,31)
Oshkosh
" Winnebago Co. (15,31)
Phillips (14)
" Price Lake (14)
Plymouth, Sky Village (15,31)
" Chaplin (15,31)
Portage,Mael (31)
Pulaski,Kubiak's (15,31)
Racine,Horlick-Racine (31))
Rhinelander (15)
Rice Lake (14)
" Arrowhead (14)
Sextonville,Richland
Shullsburg (29,31) (31)
Shawano (15,31)
Sparta, Sparta-Angelo (29)
Spooner (14)
Stevens Point (15,31)
Sturgeon Bay
" Cherryland (15,31)
Sturtevant,Air City (31)
Superior, Richard Bong
Three Lakes (15) (14)
Tomah (29,31)
Tomahawk (15)
Washington Island (15)
Watertown (31))
Waukesha Co (31)
Waupaca (15,31)
Waupun (31)
Wausau,Alexander (15,31)

West Bend Fly.Svc (31)
White water (31)
Winter, Rainbow (14)
Wisconsin Rapids - Nepco Tri-City (15,31)

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Afton (23)
Archer LFM (35)
Basin (7)
Big Piney (23)
Buffalo (7)
Casper R (26)
" AAF T (26)
" Casper Central (26)
" Wardwell (26)
Cheyenne, R,T (35)
Cody (7)
Cokesville (23)
Cowley, Cowley - Lowell-Bryon (7)
Douglas A, H (26)
Dull Center,Hoadley (27)
Evanston (23)
" City (23)
Fort Bridger R,A (23)
Gillette Arpk (7)
" Mun. (7)
Greybull (7)
Jackson (23)
Kemmerer (23)
Lander (26)
Laramie R (26,35)
" Brees (26,35)
Lingle (27)
Lusk (27)
Meadows FM (35)
Medicine Bow (26,35)
Midwest FM (26)
New Castle, Mondell (27)
Parkerton FM (26)
Pine Bluffs (35)
Pinedale (26)
Point of Rocks FM (26)
Powell (7)
Rawlins (35)
Riverton (26)
Rock Springs (new)
" Mun. (26)
Saratoga (26,35)
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" Sheridan Co. (7) 35
Silver Crown FM (26,
Sinclair R, A (26,35)
Sussex (26)
Thermopolis (26)
Torrington (27)
Ucross FM (7)
Wamsutter (26,35)
Wheatland (27)
" East Side (27)
Worland (26)

NEW FACILITIES: Bristol,Va.,Combs (93) Spokane, Wash.,Manito (3) Seattle,Wash..Bellevue (143) Lovell,Wyo.,Mun. (7) Meeteetse,Wyo.,Mun.(7) Shoshoni,Wyo.(26) Hurricane,Utah (79) Salina,Utah,Salina-Gunnison (23) Marysville,Wash.,Marysville Bay Meadows (2) Iron River,Wis.,Union (14) Colchester,Vt..Champlain (18) East Montpelier, Vt.,Fairmont (18) Middlebury, Vt. (55) Thetford,Vt.,Post Mills (55) Richmond,Va.,Parnell (67) St. Albans,Vt.,Point Hill (18) Spencer,Wis.(14) Elma,Wash.(2) Mossyrock,Wash.(2) Montesano,Wash.,Summit (2) Laramie,Wyo.(26) Moran,Wyo.,Signal Mt. (23) Vernon,Tex.,Arpk (107) Portsmouth,Va.,Roosevelt (141) Berlin,Wis.(15,31) Boscobel,Wis.(29) Coloma,Wis.(15,31) Lancaster,Wis.,Fly.Svc.(29) Lemonweir,Wis,Mauston (29,31) New Lisbon,Wis,Tucker Fly Svc (29,31) Owen,Wis.(14,31) Platteville,Wis.,Platte (29,31) Rothschild,Wis.,Wisconsin Valley (15,31) Shell Lake,Wis.(14) Thorp, Wis.(14) Thorpe,Wis.,City (14) Wonewoc,Wis,Castle Rock (29,31) College Place,Wash.,Sky Ranch (3) Lemmington,Vt.,Lemmington-Colbrook (18) Brodnax,Va.,Pennington (97) Chatham,Va.,Chatham-Gretna (95) Culpeper,Va.(65) Culpeper,Va.,Reynolds (67) Elkton,Va.(65) Independence,Va.,Cox (93,95) Luray,Va.(65) Norfolk,Va.,Norview (141) Portsmouth,Va.(141) Suffolk,Va.,Peanut City (141) Timberville,Va.,New Market-Timberville (65) Virginia Beach,Va.,Thalia (141) Waynesboro,Va.(65) Harrington,Wash.,Armstrong's Ranch (3) Klipsan Beach,Wash.,Ocean Park (2) Longview,Wash.,Vision (2) Cumberland,W.Va.,Herron (65) Taplin,W.Va.,McDonald (61,63) Brewster,Wash.,Riverview (3) Graham,Wash.,S & S Airstrip (3) Maflott,Wash (3) San de Fuca,Wash.,Whidbey Island (2)

GCA AVAILABLE: How and Where

GROUND CONTROLLED APPROACH (GCA) AVAILABLE TO CIVIL PILOTS AS WELL AS ARMY AND NAVY: All GCA facilities (Army, Navy, or CAA) are available to any plane in emergency. To secure GCA assistance pilots should call the associated control tower for instructions.

In addition to the working frequencies listed below, Army and Navy GCA emergency VHF transmissions are made on 140.58 mcs. Simplex service on 3117.5 kcs will be provided at all Army and Navy installations to provide an alternate means of communications for scheduled air carrier aircraft. Army and Navy towers will relay GCA instructions on 200-400 kcs band to civil aricraft not equipped to receive VHF or HF.

A minimum of 30 minutes will generally be required to assemble a GCA crew and prepare the equipment for operation AFTER an alert has been received at those locations not providing continuous service.

NAVY GROUND CONTROLLED APPROACH (GCA): Universal frequencies allocated primarily for Navy GCA operational use ,transmitting and receiving, are as follows:

HF Communications 3475,4890,6640 kcs. **VHF Communications** 134.64,142.02,143.64 mcs.

Navy GCA Units shall be prepared to control aircraft on the interim U.S. emergency frequency, 140.58 mcs, transmit and receive. Use of this frequency should be restricted to emergencies and routine check of communication equipment.

In addition to above, Navy GCA Units will be prepared to transmit on HF from 2000 to 18100 kcs. and receive on 1500 to 9050 kcs to aid any plane in emergency.

To promote flight safety, the Navy Department has made its GCA facilities available to civil aircraft for emergency use. Practice approaches by civil aircraft is restricted to multi-engine aircraft because of personnel and equipment limitations. Navy GCA Units shall be prepared to control scheduled aircarriers in emergencies on 140.58 mcs and 3117.5 kcs, transmit and receive. In addition arrangements shall be made to transmit GCA control instructions on tower low frequency either directly or by relay through the tower to aircraft in distress and not able to receive on any other frequency.

Call signs for all Navy GCA Units are the name of the field plus "GCA". Example: "Norfolk GCA".

ARMY GROUND CONTROLLED APPROACH (GCA): (a) CONTACT: Pilots requiring GCA assistance should call the associated control tower requesting instructions for working GCA. Example: "Andrews Tower, this is Army 5555, request GCA". (b) TOWER **INSTRUCTIONS: Control towers will ascertain frequencies available to both** pilot and **GCA, advise the pilot and establish contact with the GCA unit. Example: "Army 5555, this is Andrews Tower, do you have channel G, over". "Andrews Tower, this is Army 5555, channel G available, over". "Army 5555, this is Andrews Tower, establish contact with GCA on channel G, out". "Andrews GCA, this is Army 5555, over". "Army 5555, this is Andrews GCA, your position is now etc.....". (c) EMERGENCY. When receiver and transmitter difficulties exist, the tower may relay Ground Controlled** Approach **instructions to the pilot. However, from a safety standpoint the procedure** should **be used as an emergency contingent only. (d) ALERTING GCA: After being inoperative, GCA units require approximately 20 to 30 minutes for warming up. Pilots should anticipate requirement for GCA in flight planning and request alerting of GCA units as far in advance as possible.**

C.A.A. GROUND CONTROLLED APPROACH (GCA): The C.A.A. has control tower operated GCA units at Washington National Airport, Chicago Airport and La Guardia Field. Another unit is operated at Indianapolis Airport but is not remoted to the tower. These units are available for practice purposes and emergency use.

CAA GCA UNITS

LOCATION	FREQUENCIES Transmitting	Receiving	REMARKS
Chicago Arpt, Ill.	350 kcs;109.5, 126.18 mcs.	3105,4495,6210, 3117.5 kcs;126.18, 118.1,118.7,122.5mcs.	Continuous.
Indianapolis Arpt, Ind.	212 kcs;126.18 mcs.	3105,3117.5,4495, 6210 kcs;126.18mcs.	0800-1600 Mon-Fri
LaGuardia Fld, N.Y.	209,362 kcs, 118.1, 118.7,121.9,126.1 mcs.Emerg: 118.3, 118.5,118.9,116.1, 140.58 mcs.	3105,6210,3117.5 kcs, 118.7 mcs.Emerg: 140.58 mcs.	Oper cont.Emerg use avail. only 0800-2400
Washington Nat.Arpt,D.C	322,278 kcs,118.1, 118.5,126.18 mcs Emerg: 140.58mcs	(4);118.1,118.5,122.5, 126.18 mcs.Emerg:(30 min.notice)-140.58mcs	Oper cont.Emerg use avail. only 0800-2400

NAVY GCA UNITS

LOCATION	FREQUENCIES Transmitting	Receiving	REMARKS (Weather minimums; hrs. of oper)
Atlantic City NAS, N.J.	*,275 kcs	+	200', 1/4 mi.30-min.not.
Cherry Point MCAS, N.C.	*	+	300',1/2 mi.30-min.not.
Corpus Christi NAS,Texas	*,126.18,128.70 142.74 mcs,248kc	+,126,18,128.70 142.74 mcs.	100',1/2 mi.30-min.not.
El Toro MCAS, Calif.	*	+	30-min. notice.
Jacksonville NAS (Lee Fld) Fla.	*,323 kcs	+	200',1/2 mi.15-min.not.
Miramar NAAS, Calif.	*,239 kcs	+	200',3/4 mi.30-min.not.
Moffett Fld NAS, Calif.	*,323 kcs	+	100',1/2 mi.Continuous.
New York NAS (Floyd Bennett), N.Y.	*,388 kcs	+	100',1/4 mi.30-min.not.
Norfolk NAS, Va.	*,323 kcs	+	200',1/2 mi.30-min.not.
Oakland Arpt, Calif.	*,278 kcs	+	100',1/4 mi.30-min.not.
Olathe NAS, Kans.	*	+	100',1/4 mi.30-min.not.
Patuxent River NAS,Md.	*,347 kcs	+	100',1/4 mi.Continuous.
Quonset Point NAS, R.I.	*	+	100',1/4 mi.30-min.not.
Saufley Fld NAAS, Fla.	*,275 kcs	+	100',1/4 mi.30-min.not.
Seattle NAS, Wash.	*,230 kcs	+	100',1/2 mi.30-min.not.
Squantum NAS, Mass.	*,323 kcs	+	200',1/2 mi.30-min.not.
Whidbey Island NAS, Wash.	*,278 kcs	+	100',1/4 mi.30-min.not.

Standard freqs = 3475,4890,6640 kcs; 134.64,142.02,143.64 mcs.
* Standard, 3117.5 kcs,140.58 mcs, & HF from 2000 to 18100 kcs.
+ Standard, 3117.5 kcs,140.58 mcs, & HF from 1500 to 9050 kcs.

ARMY GCA UNITS

LOCATION	FREQUENCIES Transmitting	Receiving	REMARKS (Hrs. of operation,etc.)
Fairfield-Suisun AAF, Calif.	HF,VHF minus channel A.	350,3117.5 kcs. VHF minus A, 350,3117.5 kcs, 1500-18000 req.	Cont during IFR;0900-2100 Mon-Fri;30-min notice other times.
Barksdale Fld, La.	3475,4890,6640, VHF minus 116.1	VHF,3117.5,4495, 6210 kcs.	0800-1700 Mon-Fri;cont. during IFR; 40-min. notice other times.
Westover Fld,Mass.	HF,VHF	HF,VHF,1500-18000,LF 200-400.	Cont during IFR;30-min notice other times.
Andrews Fld, Md.	HF,VHF	HF,VHF,1500-18000,126.18	Cont during IFR;0800-1700 daily;30-min. notice other times.
Clinton Co. AAF, Ohio	HF, VHF	VHF,1500-18000.	Cont during IFR;0800-2200 CFR; 30-min. notice other times.
Langley Fld, Va.	HF, VHF	VHF, 3105,3117.5 4495, 6210 kcs.	Cont during IFR;0800-1630 CFR; 40-min. notice other times.
Mitchel Fld, N.Y.	HF, VHF	VHF,3105,3117.5, 4495,4765 kcs,	Cont. during IFR;training flights 0900-1130 & 1300-1630 during CFR; 40-min. notice other times.

HF=3475,4890,6640,3117.5 kcs (emerg airline freq) VHF=116.1,126.18,134.1,137.7, 137.88,140.58 mcs.

N.B. Weather minimums: For clearance purposes minimums established in TO-08-15-3 or AAF Regulations 60-16 apply.

N.B. Pilots desirous of making practice GCA approaches should make their own arrangements with **the** tower concerned.

AIR NAVIGATION RADIO AIDS

LEGEND

(5) Station guards 3105, 4495, 6210 kcs
(4) Station guards 3105, 4495, 6210, 3117.5 kcs.
(7-24) - Hours of operation (7 A M. to midnight) on a 24-hour clock basis
→ - New or revised data*

RADIO CLASS DESIGNATIONS

AC.....Approach Control Tower, CAA
B.....Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited)
C.....Control Tower, CAA
CA.....Control Tower, Army
CL.....Control Tower (City, County, Private, etc.)
CN.....Control Tower, Navy
D.....Distantly controlled
FM.....VHF fan type marker (100 watts)
FMHW.....Non-directional radio beacon when combined with fan marker.
GCA.....Ground control approach system
H.....Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System (voice on localizer channel)
IM.....VHF boundary marker
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
LOR.....Low frequency omni-directional range
MH.....Non-directional radio-beacon (homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts
MM.....VHF middle marker
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50 less than 150 watts
MRL.....Range (loop radiators), power more than 50 less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within
P.....Point to point radio } 5.5 miles of middle marker
RA.....Range (adcock, vertical radiators), power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous (range signals and voice) type of transmitter
T.....Teletype
TX.....Principal teletype
V.....Additional voice feature on VHF
VAR.....Visual-aural VHF range (every VAR has simultaneous
VOR.....VHF omni-directional range } voice feature)
W.....Without voice facilities
Z.....VHF station location marker at a range station

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE •−	E-EASY •	I-ITEM ••	M-MIKE −−	Q-QUEEN −−•−	U-UNCLE ••−	Y-YOKE −•−−
B-BAKER −•••	F-FOX ••−•	J-JIG •−−−	N-NAN −•	R-ROGER •−•	V-VICTOR •••−	Z-ZEBRA −−••
C-CHARLIE −•−•	G-GEORGE −−•	K-KING −•−	O-OBOE −−−	S-SUGAR •••	W-WILLIAM •−−	
D-DOG −••	H-HOW ••••	L-LOVE •−••	P-PETER •−−•	T-TARE −	X-XRAY −••−	

1 •−−−−	3 •••−−	5 •••••	7 −−•••	9 −−−−•
2 ••−−−	4 ••••−	6 −••••	8 −−−••	0 −−−−−

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission) 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered non-directional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles. These are now shown as "MHW" facilities.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency, and generally, VHF of 116.1 and/or 111.1 mcs. 116.1 mcs. is used for transmission to Army aircraft, 111.1 mcs. to civil aircraft.

The classification designation "B" denotes that the station broadcasts meteorological and notice to airmen information on a scheduled basis at 15 & 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW RADIO FACILITIES, BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

N.B. For Digest of A.T.C. and Communications Procedures, see *FLIGHT INFORMATION MANUAL*

AIRPORT DATA
LEGEND

(Where city and airport names are identical, the airport name is omitted in the interest of space conservation)

(A)	Airport name	(A)	- Owned or leased totally by Army	
(N)	"	(N)	- "	Navy
(CG)	"	(CG)	- "	Coast Guard
(NG)	"	(NG)	- "	National Guard
(A)	"	-	Open to civilians but owned or leased wholly or in part by Army, Air Reserve, Army svcg. detach. or contract gas usually available.	
(N)	"	-	Open to civilians but owned or leased wholly or in part by Navy.	
(CG)	"	-	" Coast Guard.	
(NG)	"	-.	" WD or State Govt, for Air Nat'l Guard. Lid svcg. and maint. for transient military acft.	
(P)	"	-	Civil airport opened to military acft. (See Note 3)	
☆	"	-	CAA Intermediate Field	

CLASS
SIZE

40: Length of longest landing strip (unpaved) in hundreds of feet
40h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl")

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-angling winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW/SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station
R2: Range (or homing device) and tower
R3: Range (or homing device), tower, and instrument landing system

LIGHTS

L: Incomplete lighting, either flood or portable runway lights
L1: Beacon only
L2: Beacon and boundary
L3: Beacon, boundary, and obstruction
L4: Beacon, boundary, obstruction, and flood
L5: Beacon, boundary, obstruction, flood, and runway contact
(L5): Identical to L5 except that runway contact lights are high intensity
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach
(L6): Identical to L6 except that instrument approach lights are high intensity

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

SERVICING

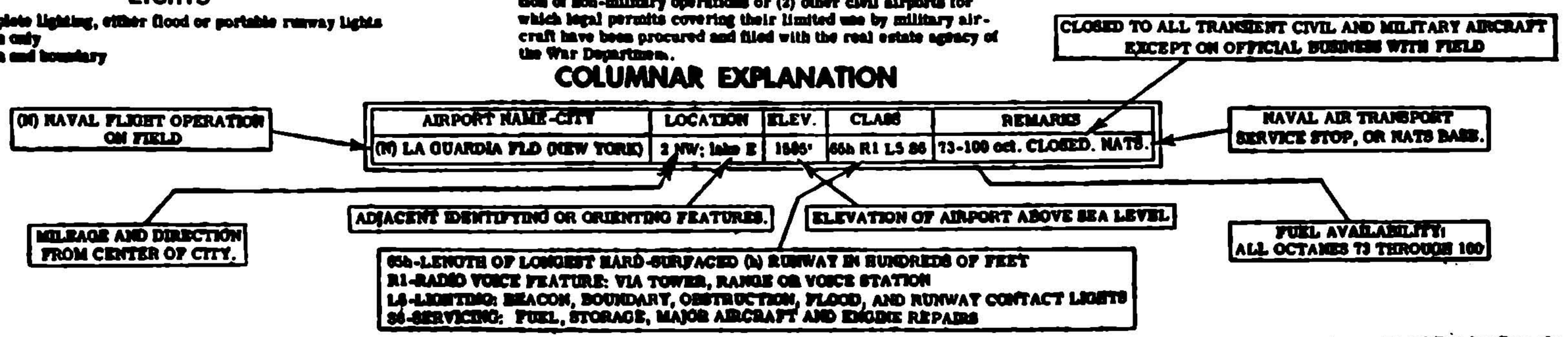
S1: Fuel
S2: Fuel, storage
S3: Fuel, storage, minor aircraft repairs
S4: Fuel, storage, minor aircraft, and minor engine repairs
S5: Fuel, storage, major aircraft, and minor engine repairs
S6: Fuel, storage, major aircraft, and major engine repairs

N.B. Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently, servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class, comparable to, for example, "1S S1" "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there. Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class columns should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify
2. → New or revised data. ☆
3. "(P)" in CITY-AIRPORT NAME column indicates: (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the U.S. Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. "Effingham Int., 10, L5-ED" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int.".
5. In Location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct.", indicates fuel octanes available. "Army", or "Navy" following octane indicates Army or Navy contract fuel available.
   (b) "CLOSED" indicates closed to all civil aircraft and all transient military aircraft except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "TEMP INACTIVE. NO FACS." indicates AAF airfields used either exclusively by the AAF or municipal airfields used jointly by the AAF and civil interests at which both the Army and the civil interests are inactive. Such airfields will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned (See Special Notice).
   (e) "ARMY TEMP INACTIVE. CIVIL FACS." indicates municipal airfields used jointly by the AAF and civil interests at which the Army facilities are inactive but civil facilities are available. Such fields may be used by military aircraft, however, only commercial service is available.
   (f) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency. Only those private fields that are clearly identifiable from the air as airports are listed. Thus many personal use fields are not covered in the Guide because they are not marked or are too small.
   (g) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines within at least a 15-1 glide angle are indicated.
   (h) "Fld lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (i) "FEE" indicates landing fee for private aircraft.
7. Airline stop airport names are capitalized or bracketed.

COLUMNAR EXPLANATION



AIRPORT NAME ABBREVIATIONS

(A)	- Army Field	LTA	- Lighter than Air	NAAS	- Naval Aux. Air Station	NPG	- Naval Proving Grounds
AAB	- Army Air Base	MCAS	- Marine Corps Air Station	NAF	- Naval Air Facility	OLF	- Outlying Field (Navy)
AAF	- Army Air Field	MCAAF	- Marine Corps Aux. Air Facility	NAS	- Naval Air Station		
CGAS	- Coast Guard Air Station	(N)	- Navy Field	(NG)	- National Guard		

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW AIRPORTS BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP

FLIGHT PLANNING CHARTS

LEGEND

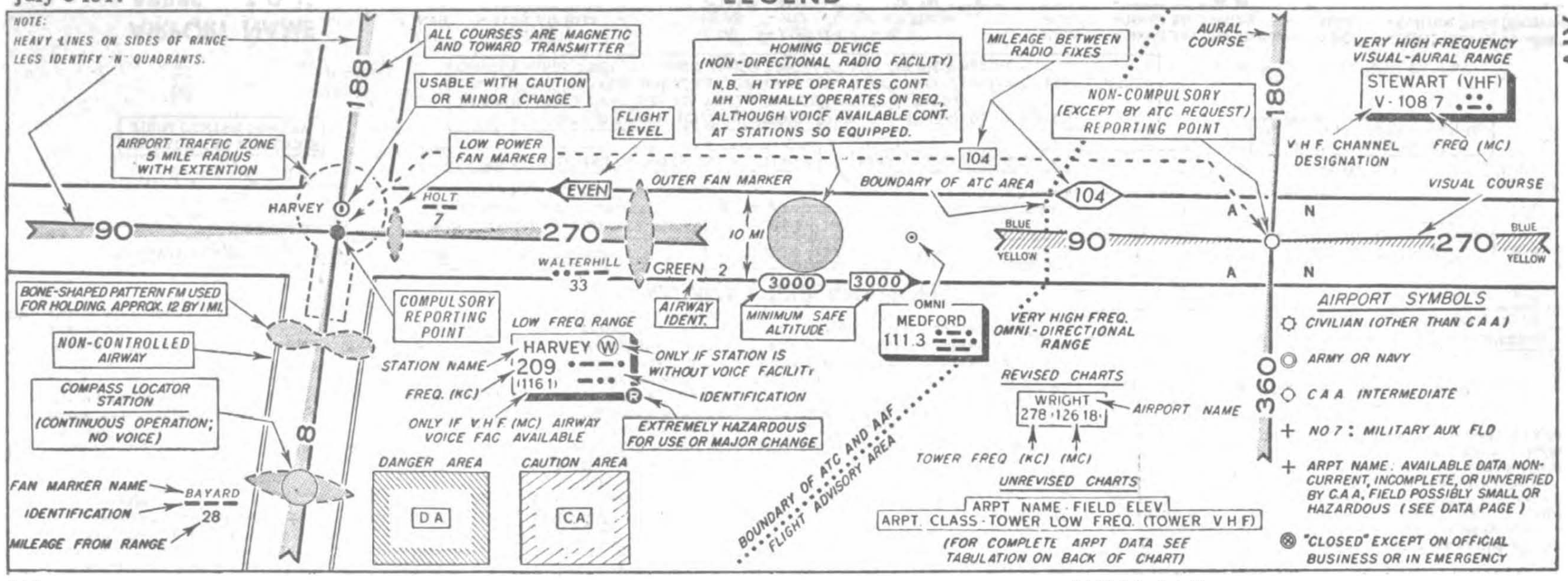


CHART CONTENTS

The Flight Planning Charts, in addition to the warning (R) and caution (O) symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages; (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE AND USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled (R) or (O) items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new fields, abandoned fields, range freqnency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

VHF CHANNEL LETTER DESIGNATORS

Channel letter designators are being shown on the Flight Planning Charts herein only as an aid to pilots in their use of unmodified military equipment. It is emphasized that not all very-high frequencies now in use have channel letter designators. Standardization of air-borne equipment in this respect has not been effected, nor is it expected to be along the lines of one-letter designators because of the large number of frequencies which eventually will be in use.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol (R) for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol (O) for orange, or caution.

RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

WARNING

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

Loop ranges (such as ML, RL, MRL without simultaneous feature) are not suitable for DF and ADF operations. DF or ADF use should be restricted to simultaneous type of range stations, H stations, and commercial broadcast stations.

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
➔ ASTORIA (Clatsop)	323 (AST)	MRLZ; 99°, 6.9	3105.6210 by pre-arrangement & oper 7-17.
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°, 7.5	Tillamook NAS
EUGENE (Mahlon Sweet)	251 (EU) (116.1)	SBRAZ-DTV, 150°, 4.5	(4); 116.1 (ILS)
PORTLAND	332 (PD) (vhf)	SBRAZ-DTV, 168°, 3.1	(3); 116.1, 122.1
REDMOND (Roberts)	368 (RG) (116.1)	SBRAZ-DTV; 101°, 4.3	(4); 116.1
THE DALLES	230 (ND) (116.1)	SBRAZ-DTV, 251°, 2.8	(4); 116.1
➔ TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105, 4495. Manned 8-sunset.
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3); 142.74 (8-sunset) later on req.
WILLAMETTE FM	(- -)	FM, 176°, 20.6	Portland

RADIO — WASHINGTON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BELLINGHAM	209 (JJ) (116.1)	SBRAZ-DTV, 114°, 2.9	(4); 116.1
CAMANO ISLAND FM (Navy)	(- -)	FM, 123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 82	Seattle
EASTON FM	(- - - -)	FM, 270°, 37	Ellensburg
ELLENSBURG (Bowers)	385 (EB) (vhf)	SBMRAZ-DTV, 270°, 2	(4); 116.1, 122.1
EVERETT (Paine)	224 (MI) (vhf)	BMRLZ-DTV, 330°, 3.1	(4); 116.1, 122.1
HOBART FM	(- -)	FM, 88°, 15	Seattle
LA CENTER FM	(- - - -)	FM; 331°, 12	Portland, Oreg.
LAKEVIEW FM	(- - -)	FM, 175°, 25.5	Seattle
McCHORD (Tacoma) (Army)	272 (DTA)	BMRL; 26°, 1.7	
MOUNT VERNON OLF	3295 (126.18) (142.74)	CN	3105, 4495; 126.18, 142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105, 4495; 142.74 (8-1630)
SEATTLE (King County)	260 (SA) (116.1)	SBRAZ-DTXV; 296°, 2.8	(3); 116.1, 122.1
STEVENSON FM	(. . -)	FM, 63°, 32	Portland, Ore.
TOLEDO (Toledo-Winlock Int.)	239 (GL) (vhf)	BMRLZ-DTV, 235°, 2.8	(4); 116.1, 122.1
WASHOUGAL FM	(-)	FM, 63°, 17.5	Portland, Ore.
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74, 126.18)	CN (GCA); 303°, 3.3	(3); 142.74, 126.18. Tr. and gds 116.1, 140.58 on req.
WHIDBEY ISLAND NAS (Navy)	522 (K)	MH	(4) cont.
Whidbey Island NAS (Seaplane)	2870 (142.74)	CN	(3); 3155; 142.74 (24 hrs advance notice)
WOODLAND FM	(. - - - - -)	FM, 331°, 23	Portland, Ore.
YAKIMA	320 (YA) (vhf)	BMRLZ-DTV	(3); 116.1, 122.1
Yakima Co. Airport	278 (118.5)	AC; 267°, 4.7	(4); 118.5, 122.5, 142.74

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MAHLON SWEET (L6)	109.9	333.8	159°	IM-	MM- ·-·- (0.63)	OM- -- (4.5)	
					MMK-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. ┼—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW; RR E	267	33 S4	80 oct.
Albany	2.5 NE; RR NW	235	26 S6	80 oct, P-line SW. Trees S, SW.
* Arlington Int, 12B, PD-SM	1.4 ENE; riv NW	872	50 L3	
Bend (new)	5.5 ENE; hwy S	3429	40 S6	80, 91 oct. Pwrline SE. Use strips.
(P) Clatsop (Astoria)	3 SW; riv E	9	58h R1 L5 S6	80-100 oct. FEE for lgts. Lgts on req.
Coastway School of Aeronautics (Tillamook)	1.4 E	55	29 S6	80 oct. Ctn when wet.
(P) Corvallis	4.9 SSW; hwy E	235	52h S6	80, 91 oct.
Corvallis Junction	1.3 NNE; RR W	240	20 S6	80 oct.
Dallas	1.2 N; RR S	372	23 S2	80 oct. ENE, WSW blkd.
Eugene Airpark	1.6 SW; rd W	420	28 S6	80, 91 oct. Trees NNW.
Harrisburg	2 NNE; RR E, W	300	25 S1	80 oct.
Hood River	2.5 S; riv E	605	19 S1	80 oct Soft when wet. Brush E.
Langmack (Sweet Home)	2 E; RR N	550	32 S2	80 oct. E blkd. Trees W.
Lebanon	1.3 SW; RR E	340	36 S6	80 oct.
(P) Madras	2 NNW; RR SE	2420	74h	
NEW AIRPORTS				
Bend (Ore) N.C.	7.8 N	3350	44	Use in emerg.
Sisters (Ore)	1 NE; hwy S	3198	37	Trees NE, E. Wblkd. PRIVATE

AIRPORTS — OREGON

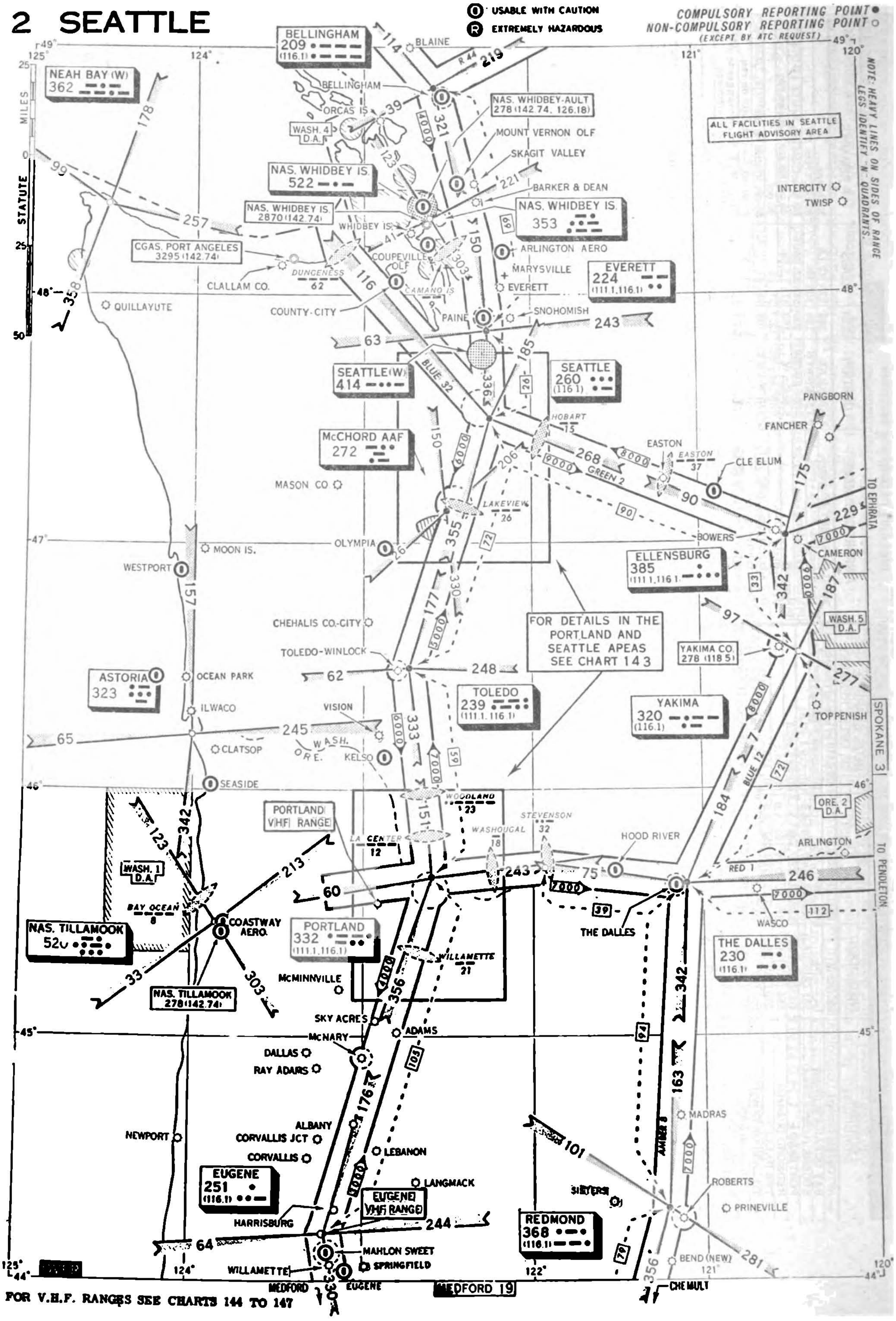
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
MAHLON SWEET (Eugene)	8 NW; RR NE	365	52h R3 L6	No tower.
McMinnville	3.1 ESE; hwy N	156	50h S6	80 oct. Trees SW.
(P) McNARY (Salem)	2.2 SSE; RR SW	207	55h L5 S6	80, 91 oct. No sto.
(P) Newport	4 S; ocean W	160	51h L5 S4	80 oct. No sto. Lgts on req.
Prineville	2.9 SW; hwy SE	3237	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW; RR E	195	23 S1	80 oct. Cattle on fld.
(P) Roberts (Redmond)	1.5 SE; hwy N	3075	70h L5 S6	80, 91 oct. No bcn. Lgts on req.
Santiam Junction Flight Strip	21.5 SSE; hwys N	4000	30	Trees W, E. Steep down grade to W. Large hill E end W approach.
➔ (Idanha) (NC)				
Sky Haven (Brooks)	See Sky Acres under "New Airports" - name changed.			
(P) The Dalles	1.7 NE	239	51h R1 L5 S6	80, 91 oct.
(N) Tillamook NAS (N)	3 SE; riv N	35	50h R2 L5 S4	91 oct. Used by LTA, HTA.
Vernonia (NC)	2.4 WSW; riv S	620	29	Obst sur fld.
Wasco	0.4 E; RR SW	1420	18 S1	Ltd 80 oct.
Willamette Arpk. (Eugene)	4.8 W; hwy S	420	25 S6	80, 91 oct.

AIRPORTS — WASHINGTON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Arlington Aero. School	3 SW; hwy W	129	53h L5 S6	80, 91 oct. Rnwy lgts prior req.
Barker & Dean (Mt. Vernon)	2.2 S; RR, riv W	4	20 S4	73, 80 oct. Trees NW
(P) BELLINGHAM	4.5 NW; hwy E	158	50h R1 L5 S6	80, 91 oct. ARPT OF ENTRY
Blaine	0.5 E; RR W	15	15 S1	80 oct. P-line SSE. Ctn when wet.
(P) Bowers (Ellensburg)	2.5 NE; hwy S	1767	59h R1 L5 S6	80, 91 oct. Ctc lgts prior req.
Cameron (Kittitas)	0.5 N; RR S	1650	26	
(P) Chehalis Co.-City	0.6 NW; RR E	174	50h S6	80 oct. No sto.
Clallam Co. (Port Angeles)	3.2 WNW	290	52h S6	80 oct.
Cle Elum	2.4 E; hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW; hwy ESE	110	33 S6	80, 91 oct. P-line WNW. Trees ESE.
(N) Coupeville OLF (N)	2 SE	193	54h	CLOSED. ARPT OF ENTRY.
* Easton Int, 5B, SA-HL	1.7 NNW; RR SW	2221	30 L2	Trees, mtns WNW.
Everett	3.5 NNE; riv N	15	21 S2	80 oct. P-line W. Ctn winter.
(P) Fancher (Wenatchee)	2.5 NE; hwy S	1440	33h L5 S6	80, 91 oct. Fld lgts prior req. P-line SE.
Forks (NC)	1 SW; rd S	286	23 S1	80 oct. Trees ENE, WSW. HAZARDOUS
Goldendale (NC)	0.6 SE; RR W	1600	20	Pole line E, SE. Ditch center. HAZ-
Ilwaco	1.5 ENE; Bay S	8	20 S2	80 oct. ARDOUS.
Intercity, USFS (Winthrop)	4 SSE; riv SW	1650	32 S1	80, 91 oct. Mtns SE.
Kelso, 61A, SF-SA	1.4 S; RR SW	25	29 L3 S6	80 oct.
Kenmore (Bothell) (NC)	2.3 NW; rd E	420	17	12-14' brush NNE, SSW.
(P) MOON ISLAND (ABERDEEN)	6 W; harb N, S	14	50h L5 S6	80, 91 oct.
(N) Mount Vernon OLF (N)	5 NW; RR S	146	53h R1	Pole line N. CLOSED.
Olympia	4.5 S; hwy E	190	50h S4	80 oct. Trees W.
Orcas Island (East Sound)	0.7 N; hwy E	25	24 S2	80, 91 oct.
(P) Paine (Everett)	6.5 SW; hwy NE	602	65h R1 L5 S6	80 oct. Fld lgts prior req.
PANGBORN (Wenatchee)	5.3 ESE; hwy S	1246	46h L5	Contact lgts prior req. Mtns N, E.
Pasayten, USFS (Winthrop) (NC)	38 NW; riv E	4250	28	Use in emerg. only. Clsd to public.
(CG) Port Angeles CGAS (CG)	2 NNE	13	45h R1 L5 S1	91, 100 oct. Lgts prior req.
Quillayute	0.7 NNW;	195	50h	8 mi. W of Forks.
(N) Shelton NAAS (N)	See Mason County Arpt under "New Arpts" - name changed.			
Skagit Valley Air Svc. (Burlington)	0.7 S; RR E	35	20 S1	80 oct. Pwrline S. Use strips only.
Snohomish	0.9 SW; RR N	16	30h S6	80, 91 oct. Rnwy data unver. Poles ESE.
Snoqualmie Pass (North Bend)	3.5 ESE; hwy S	680	19	Trees WNW, ESE. (NC)
* Toledo-Winlock Int. 63B, SF-SA	3 NE; hwy W	371	51h R1 L3 S2	80, 91 oct.
Toppenish	3.2 SSW; hwy E	835	32 S3	80 oct.
Twisp	1.9 SE; riv S	1620	19 S1	80 oct. Hills NNW.
Westport (NC)	0.5 N; harbor E	5	18 S1	80 oct. P-lines NW. Ctn.
(N) Whidbey Island NAS (N)	3 NW Oak Harbor	17	70h R2 (L6) S2	91, 100 oct.
YAKIMA COUNTY	2.8 SSW	1058	50h R2 L5 S6	80, 91, 100 oct. Pole line S.
NEW AIRPORTS				
Sky Acres (Brooks, Ore.)	1.6 NE; RR W	180	20 S1	Ltd 80 oct.
Seaside (Oregon)	1.5 NE; RR W	6	17 S4	80 oct. No sto. (Marysville, Wash.)
Marysville Bay Meadows Arpk	2 N; rd W	60	13	Very dangerous approchs.
Vision (Longview, Wash.)	6.2 NNE; riv N, E	20	31 S1	80, 91 oct. NW blkd. Use with ctn
Springfield (Ore)	1.6 ENE; hwy 0.5 S	460	20 S1	80 oct. Ctn-wet weather. P-line E
Ocean Park Sky Port	0.5 S; hwy W	10	21	P-line S. (Klipsan Beach, Wash)
Elma (Wash.)	0.8 S; rd W, riv S	60	26	P-line W.
Summit (Montesano, Wash.)	2.9 W; hwy S	190	22 S1	80 oct.
Mossyrock (Wash.)	1 W; hwy SW	613	19 S1	80, 91 oct.
(N) Mason Co. (Wash.)	2.5 NW; hwy ENE	278	52h L S6	Twr NW. No navy facs. Lgts prior req. ➔
Whidbey Is (San de Fuca, Wash.)	1.0 N; bay S	185	16 S1	80, 91 oct. Trees N.

h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII); NC - (Not Charted) ➔ New or revised data.

2 SEATTLE


USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA
MILES
STATUTE
BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS. WHIDBEY-AULT 278 (142.74, 126.18)
MOUNT VERNON OLF
SKAGIT VALLEY
BARKER & DEAN
NAS. WHIDBEY IS. 522
NAS. WHIDBEY IS. 2870 (142.74)
NAS. WHIDBEY IS. 353
ARLINGTON AERO
CGAS. PORT ANGELES 3295 (142.74)
DUNGENESS 62
COUPEVILLE OLF
MARYSVILLE
EVERETT
EVERETT 224 (111.1, 116.1)
CLALLAM CO.
CAMANO IS
QUILLAYUTE
COUNTY-CITY
PAINE
SNOHOMISH
SEATTLE (W) 414
SEATTLE 260 (116.1)
BLUE 32
HOBART 15
PANGBORN
FANCHER
McCHORD AAF 272
EASTON
EASTON 37
CLE ELUM
MASON CO.
LAKEVIEW 26
GREEN 2
TO EPHRATA
OLYMPIA
MOON IS.
BOWERS
ELLENSBURG 385 (111.1, 116.1)
CAMERON
WESTPORT
CHEHALIS CO.-CITY
FOR DETAILS IN THE PORTLAND AND SEATTLE APEAS SEE CHART 143
WASH. 5 D.A.
TOLEDO-WINLOCK
YAKIMA CO. 278 (118.5)
ASTORIA 323
OCEAN PARK
TOLEDO 239 (111.1, 116.1)
YAKIMA 320 (116.1)
TOPPENISH
SPOKANE 3
ILWACO
VISION
CLATSOP
WASH.
ORE.
KELSO
SEASIDE
PORTLAND VHF RANGE
WOODLAND 23
STEVENSON 32
WASHOUGAL 18
LA CENTER 12
HOOD RIVER
ARLINGTON
ORE. 2 D.A.
WASH. 1 D.A.
BAY OCEAN 8
NAS. TILLAMOOK 52
COASTWAY AERO
PORTLAND 332 (111.1, 116.1)
THE DALLES
WILLAMETTE 21
THE DALLES 230 (116.1)
WASCO
TO PENDLETON
NAS. TILLAMOOK 278 (142.74)
McMINNVILLE
SKY ACRES
ADAMS
McNARY
DALLAS
RAY ADAIRS
NEWPORT
ALBANY
CORVALLIS JCT
CORVALLIS
LEBANON
EUGENE 251 (116.1)
LANGMACK
EUGENE VHF RANGE
SISTERS
REDMOND 368 (116.1)
ROBERTS
PRINEVILLE
HARRISBURG
MAHLON SWEET
SPRINGFIELD
WILLAMETTE
MEDFORD
EUGENE
MEDFORD 19
BEND (NEW)
CHEMULT
MADRAS
FOR V.H.F. RANGES SEE CHARTS 144 TO 147

SPOKANE 3

• COMPULSORY REPORTING POINT
: NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS (I): USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY # QUADRANTS.

DOROTHY SCOTT
(I) TONASKET
OKANOGAN No 1
OKANOGAN LEGION
MAFLOTT
RIVERVIEW
ANDERSON
CHELAN
EPHRATA 269 (111 | 116 |)
DAVENPORT
WILBUR
J Z
COULEE CITY
HARRINGTON 45
EPHRATA
GREEN 3
ARMSTRONG'S
SAVAGE
GEIGER AAF
SPRAGUE (R)
HARRINGTON
MOSES LAKE AAF
RITZVILLE
LIND
WASH. 5 D A
CONNELL
WASH. 9 D A
SUNNYSIDE
PROSSER
RICHLAND
PASCO
TOPPENISH
MARTIN
LISTA
TWIN CITY
PENDLETON 278 (118 7)
PENDLETON
HERMISTON
BOARDMAN (R)
RED 1
67
LEXINGTON
PENDLETON 341 (111 1, 116 1)
TO THE DALLES
SEATTLE 21
JOHN DAY
BAKER 221 (111 1 116 1)
COLVILLE
HAFER'S
DEER PARK
SPOKANE 365 (111 1 116 1)
CALKINS AIR TERMINAL
SPOKANE AAF 245 (126 18)
FELTS 278 (118.5)
NEWPORT
WASH.
IDAHO
238
56
65
LEMEN
MANITO
ROSALIA
344
LA CROSSE
BLUE 1
WASHTUCNA
182
TOPPENISH VALLEY
92
MARTIN
WALLA WALLA AAF
SKY RANCH
OREGON SKY RANCH
121
2
250
CARBACE HILL
PENDLETON AAYS SER
301
LA GRANDE 238
LA GRANDE
120
BAKER
28
On request
ONTARIO (I) 305 (116 1)
ONTARIO
PAYETTE 49
PAYETTE
WEISER
296
117
CASCADE
NEW MEADOWS
McCALL
208
ORE. IDAHO
ENTERPRISE
JOSEPH
LA GRANDE 329 (116 1)
PULLMAN MOSCOW REGIONAL
ASOTIN CO
LEWISTON
WALLA WALLA 212 (116 1)
CRAIGMONT
KAMIAH
OROFINO
IDAHO CO
WASH.
ORE
SEATTLE SALT LAKE CITY
GREAT FALLS SEATTLE
GREAT FALLS 6
TO SUPERIOR
TO ELLENSBURG
SANDPOINT
IDAHO
MONT.
COEUR D'ALENE 347 (116 1)
COEUR D'ALENE AIR TERMINAL
MONT
EUREKA
LIBBY
THOMPSON FALLS
183
267
92
274
KELLOGG
WEEKS
ST MARIES
TEKOA FLY CLUB
MULLAN PASS 206 (118 1)
STATUTE MILES
ELKO 22
350

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
[redacted]		**IDAHO**	
COEUR D'ALENE (Air Term.)	347(ICO)(116.1)	BMRLZ-DTV;321°,5.2	(4);116.1
PAYETTE FM	(. . - - - -)	FM; 301°, 49	Boise.
		MONTANA	
MULLAN PASS	206(MN)(116.1)	BMRLZ-DTV	(4);116.1
		OREGON	
BAKER	221(BK)(vhf)	SBRAZ-DTV;116°,1.8	(4);116.1,122.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329(IUX)(116.1)	MHTV	(4);116.1,122.1
LA GRANDE FM	(- - - -)	FM; 300°,38	Baker
ONTARIO	305(OOX)(116.1)	MHV	(4);116.1,122.1
PENDLETON	341(PO)(vhf)	SBRAZ-DTV	(3):116.1 122.1
→ Pendleton Arpt.	278 (118.7)	C; 247°, 1.9	(4);122,5,118.7
		WASHINGTON	
EPHRATA	269(EP)(vhf)	BMRLZ-DTV;336°,4.0	(4);116.1,122.1
FELTS (Spokane)	278 (118.5)	AC;331°,1.2	(4);118.5,126.18,122.5
HARRINGTON FM	(- - - -)	FM; 236°, 45.3	Spokane
SPOKANE (Felts)	365(SM)(vhf)	SBRAZ-DTV:	(3);116.1,122.1
SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
WALLA WALLA	212 (WL)(116.1)	SBMRLZ-DTV;182°,3.6	(4):116.1
Walla Walla AAF			DECOMMISSIONED

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. +– Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
			IDAHO	
Cascade	1 E;riv SW	4765	29 S2	80 oct. Pole line NW.
Cayuse Creek, USFS (NC)	40 ENE Pierce	3770	20	
Chamberlain, USFS (Dixie)(NC)	17.6 SE	5765	32 S1	75 oct. Maint. May to Nov.
(P) Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50' poles S.
Dixie, USFS (NC)	4 SW; creek E	5200	28	Obst N,E,S.
(P) Idaho Co. (Grangeville)	0.9 N;dam S	3295	44 S4	80 oct. 20' pole line W.
Kamiah	0.6 SE;riv E	1194	32 S1	80 oct. Trees SSE.
★ Kellogg Int, 29B, SA-HL	0.8 NW;riv N	2300	38 L3 S4	80 oct.
Landmark, USFS (Knox) (NC)	1.7 SSE	6680	23	ESE blkd. hills SSW.
(P) Lewiston	2 S;riv NW	1426	50h L1	Port rnwy lgts.
McCall	1 S, RR W	5021	23 S6	80 oct. P-line NE.
Orofino	1.3 NW;riv NE	1000	24 S6	80 oct. Ctn. Mtns ESE.
Payette	2 NE;RR W	2200	35 S6	Road crosses fld SE. No sto.
Priest River (NC)	0.9 NNW, RR S	2165	25	Trees E; hill W.
St. Maries	1.2 NW;riv S	2132	23 S2	76 oct.
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct. No sto. Pole line W.
Tekoa Flying Club (Tensed)	5 NNW, crk N	2650	16 S2	80 oct.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
Weiser	2.8 S, riv W	2120	34 S6	80 oct.
			MONTANA	
Eureka	2.7 NNW, RR N	2680	27 S1	80 oct.
Libby, USFS	1 NE;riv S, E, W	2090	30 S1	80 oct.
→ Thompson Falls	3.2 ESE, RR N	2460	25 S1	80 oct. Mtns E,S.
			OREGON	
(P) Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80,91 oct. No sto.
Boardman Flight Strip	5.6 WSW, RR N	378	42h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
			OREGON	
Enterprise	1.4 WNW;RR SW	3750	34	Hwy SW.
Hermiston	1.7 SE;hwy W	635	25 S2	80 oct. P-line ENE.
(P) Joseph	1.2 W;RR E	4150	33 S2	80 oct.
(P) La Grande	5.5 ESE, RR SW	2713	47h R1 L2 S6	80 oct.
Lexington	0.7 N;hwy E	1650	30 S1	80 oct. RR SW
(P) Ontario	2.5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oregon Sky Ranch (Milton)	3.7 SSW, RR E	1300	20 S6	73,80 oct.
(P) PENDLETON	2.9 WNW;RR 1 S	1492	63h R2 L5 S6	80,91 oct. Fld lgts on req.
Pendleton Airways Inc. (Pendleton)	3.8 ESE, RR N	1200	37 S6	80,91 oct. Pole line E.
Pilot Rock	0.8 E, hwy N			ABANDONED.
			WASHINGTON	
Anderson (Pateros)	1.6 SSW;hwy E	1100	16 S1	80 oct. Mtn W.
Asotin County (Clarkston)	0.5 N;riv N	760	33 L4 S6	80,91 oct. Lgts prior req. Mtns W.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct. Trees 200' W.
(P) Chelan	4.7 NE;riv SE	1250	26	Hills N,S,SW. Caution.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
(P) Connell	1.2 SSW, RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW, hwy S	2425	28 S1	80 oct. Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
(P) Dorothy Scott (Oroville)	3 NNE;lake W	1290	29 S2	80 oct, 2000' mtn S.
Ephrata	2 SE, hwy NW	1273	73h R1 S6	80 oct. ARMY TMP INACT. CIVIL
Fairweather (Republic) (NC)	0.8 S;riv E	2500	20	Trees N,S. FACS.
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91 oct. ARPT OF ENTRY.
(A) Geiger (Spokane) (A)	6.5 SW;hwy N	2372	82h	TMP INACT. NO FACS.
Hafer's Ranch (Chewelah)	3.6 SSW;RR E			ABANDONED.
* Harrington Int, 19, SA-HL	1 NNW;hwy E	2305	32 L3	
"JZ" (Almira)	1 NNW;RR SW	1950	21	
La Crosse, 28B, PD-SM	2.5 SW;RR NW	1459	37 L3 S1	80 oct. RR E.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct. No sto. Pole line NNE.
(P) Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Place)	1.5 WSW, RR N	750	24 S6	80,91 oct. No sto. Trees ENE.
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	TMP INACT NO FACS
→ Newport	1 W;riv NE	2150	29 S6	No fuel. Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	25 S6	80 oct.
Okanogan Flight Strip (Omak)	4 N;hwy E	1298	47h S1	80 oct.
Pasco	2.8 NNW, RR E	402	47h	CLOSED.
(P) Prosser	1.4 NW;riv S	685	40 S6	80,91 oct. Trees W. Poles NE.
(P) Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct.
Richland	1.3 SSE, riv NE	365	23 S1	80 oct. Riv SE.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct. Pwrline, bldgs NE.
Rosalia	2.6 W	2180	26 S1	80 oct. Hill NE.
Savage (Cheney)	0.7 WSW;RR SE	2400	24 S1	80 oct.
Sky Ranch (College Place)	1 E;mtn S	800	30 S6	80,91 oct, WSW blkd.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct. JP-1. No sto.
Sprague	0.7 NE;RR S	2000	21	
Sullivan Lake (Metaline Falls)	4 ESE;lake S	2590	21	Road crosses fld-caution. (NC)
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	41 S1	80 oct. Pwr line SSW. P-line SSE.
Touchet Valley (Huntsville)	0.5 NE;RR S	1400	19 S4	80 oct, Trees, poleline WSW.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
Vista (Kennewick)	4.5 W;rivs NW	516	35h L S6	80,91 oct. Emerg lgts on prior req.
Wallace (Mead)(NC)	2 W;RR E	1935	26	40' trees NE.
(A) WALLA WALLA AAF (A)	3 NE;hwy S	1205	72h R1	CLOSED.
Washtucna	1 S;RR SE, NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct. Pole line NE.
			NEW AIRPORTS	
Craigmont, (Idaho)	Adj NW;RR SW	3688	20 S2	80 oct. P-line E.
Manito Arpk (Spokane, Wash)	5 SSE	2450	21	P-line NE;trees SW Data unver.
New Meadows (Idaho)	0.5 N;hwy jct SE		26	Unusable in wet weather.
Armstrong's Ranch (Harrington, Wash.)	3 ESE	2220	25 S2	Data unver.
Maflott (Wash.)	1 N;riv S	1100	27 S1	80 oct. Soft when wet.
Riverview (Brewster-Pateros, Wash)	2.6 WSW;hwy SE	1070	21 S1	80 oct. Pwr line SE, hill WSW.
John Day (Ore)	0.6 W;riv N	3075	19 S2	80 oct.

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388(DZ)(vhf)	SBRAZ-DTV;332°,1.7	(4);116.1,122.1

MONTANA

ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL) (116.1)	SBMRAZ-DTV,319°,0.8	(4);116.1
BUTTE	233 (BT)(116.1)	BMRLZ-DTV;99°,16.1	(4)·116.1
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV) (116.1)	SBRAZ-DTV;327°,3.1	(4); 116.1
DILLON (Int.)	379(DE)(116.1)	BMRLZ-DTV;167°,2.0	(4);116.1
DRUMMOND	296 (DR)(116.1)	SBMRAZ-DTV, 185°,1.3	(4):116.1
GREAT FALLS	317(GT)(116.1)	SBRAZ-DTV	(3);116.1
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.5	(4):126.18,122.5,118.7
GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371(HL)(vhf)	SBMRAZ-DTV252°,1.9	(4):116.1,122.1
Helena Airport	278(118.9)	C	(4);118.9,122.5
HOMESTAKE FM	(- -)	FM, 99°, 21	Butte
LIVINGSTON (Int.)	224(LT)(116.1)	SBMRAZ-DTV;247°,2	(4);116.1
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308(MX)(vhf)	SMRAZ-DTV; 120°, 1.5	(4);116,1.122,1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254(SP)(116.1)	BMRLZ-DTV;275°,0.1	(4):116.1
WHITEHALL (Int.)	284(WW)(116.1)	SBRAZ-DTV;183°,2.3	(4);116.1
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM–	MM–	OM–
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker, (3) 3105, 4495, 6210 kcs, (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs(NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
(P) Challis	1.2 NNE;hwy E	5000	34 S1	80 oct.
Dubois, 23,S1-GT	0.8 SSE	5123	48 R1 L3	30' pole W.
Flying R (Lake)	2.8 SE;hwys SE,E	6630	34	Mtns ENE.
Moose Creek,USFS (Red Riv,Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld. (NC) Closed to public
Salmon	4 S;riv W	4045	S1	80 oct.Mtns NE.

MONTANA

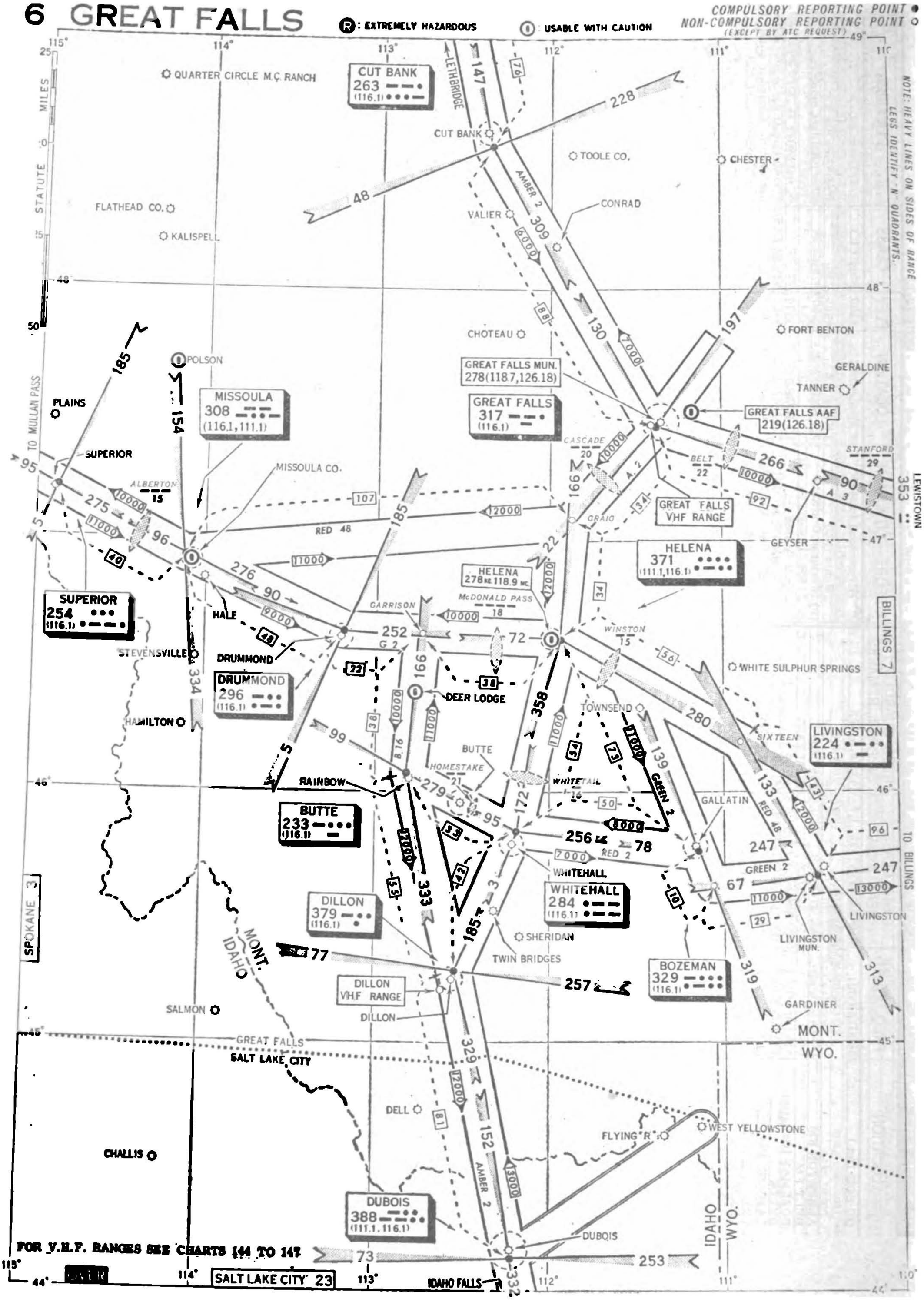
Basin Creek (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4900	21		Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4650	22		Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	26 SE Swan Lake	4200	22		Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25	S1	(NC) 80 oct.Rough
(P) BUTTE	4 S;RR W,N	5553	56h	R1 L5 S6	80,91 oct.
Chester	1.5 WNW; RR S	3150	44		
(P) Choteau	1.2 NNE;hwy S,E	3810	39	S6	80 oct.
Condon (Flathead Nat'l Forest)(NC)	19 E of Ronan	3690	27		
Conrad	1.1 W; creek S	3530	32	S2	80 oct.
(P) CUT BANK	3 SW;riv 1 E	3900	87h	R1 L5 S6	80 oct. ARPT OF ENTRY.
(P) Deer Lodge	1.5 W;RR E	4700	38	L1 S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6114	70h	L3	
★ Dillon Int,32, SL-GT	4.6 ENE;riv 2 W	5238	38	R1 L3 S1	80 oct.

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int,44B, SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	P-lines S
(P) Flathead Co.(Kalispell)	7.4 NNE;RR E	2960'	47h L2 S4	80 oct.All lgts prior req.
Fort Benton	1.3 NE;RR S	2870	27 S2	80 oct.Poles Nk,Soft when wet
(P) Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80,91 oct.
Gates Park,USFS(NC)	35.8 W Choteau.	5400	26	Sur by mtns.Closed to public
Geraldine Mun.	0.5 S;RR N,E	3200	17 S1	80 oct.Rough.
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
(P) GREAT FALLS	3 WSW; RR E	3669	70h R2 L5 S6	80,91 oct. ARPT. OF ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3485	89h R1 L5 S6	73,91,100 oct.JP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3186	38 L4 S6	80,91 oct. All lgts prior req.
→ Hamilton	1.3 ENE;hwy W	3640	35 S6	80 oct.
(P) HELENA	2.5 ENE;hwy W	3882	55h R2 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	37 E Ronan	4575	20	Sur by mtns.Closed to public
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.W,NW blkd.
Livingston	6 ENE;RR N	4656	62 S2	80,91 oct.
10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3 S4	80 oct.Poles S.
Meadow Creek (Flathead Nat'l Forest)	21 ESE Swan Lake	4000	22	(NC)
(P) MISSOULA COUNTY	5.3 WNW;RR N	3200	71h R1 L5 S2	80,91 oct.No flood lgts.
Plains	1.3 NNW; RR NE	2465'	32 S4	80 oct. Poles N,E.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	21 S1	80 oct Ski-equipped acft only Nov. thru April.
Rainbow Skyport (Gregson)	1 N;RR E,S	5030	40 S1	80 oct.NE,SW,NW blkd.
Schafer (Flathead Nat'l Forest)(NC)	17 SSE Summit	4855	24	Sur by mtns.
→ Seeley Lake (NC)	4.5 NW	4150	20	Trees NW.
Sheridan	0.6 SE	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
→ Spotted Bear (Flathead Nat'l Forest)(NC)	14 ENE Swan Lake riv E	3800	22	Sur by mtns.
→ Stevensville	2 ENE;riv 2 W	3620	30	80 oct.
★ Superior Int,36B,SA-HL	1 S; RR S,riv NE	2700	35 R1 L2 S1	Ltd 80 oct.Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L3 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
→ Twin Bridges	1.5 SE;RR SW	4725	37 S1	80 oct.
(P) Valier	0.6 S;lake S,W	3820	35 S1	Ltd 80 oct.Ctn when wet.
(P) West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld. Scheduled air line summer mo. only.
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.
Gardiner, Mont.	1 NW of S	6200	22	

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii)(NC)-Not charted. → NEW OR REVISED DATA

6 GREAT FALLS



BILLINGS 7

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓤ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

49°
110°
109°
108°
107°
106°
106 30'
105°25
STATUTE 0 MILES 25
50
48°
47°
46°
45°

GREAT FALLS 6
BISMARCK 10
TO GREAT FALLS
TO DICKINSON
LIVINGSTON 224

Ⓤ CHINOOK
HAVRE CITY-CO.
HARLEM
MALTA AIRPK.
ETCHART
Ⓤ VALLEY CO.
SCOBEY
GUSTAFSON
ANDERSON
WOLF POINT
FORT PECK
VINE
CIRCLE
JORDAN
DENTON
LEWISTOWN
MOORE
FOREST GROVE
LEWISTOWN 353 (116 1)
ROUNDUP
BILLINGS 400 (116 1)
CUSTER (W) 215
HARLOWTON
LAVINA
CUSTER
NIBBE 25
RAPELJE
BILLINGS 278 (118.7)
BIG TIMBER
COLUMBUS
PARK CITY 21
BILLINGS
ZELKA
BIG HORN CO
MILES CITY
MILDRED
GREEN 3
FORSYTH
MILES CITY 320 (116.1)
BONES BROS RANCH
ST. XAVIER
BRIDGER
RED LODGE
MONT.
WYO.
COWLEY-LOVELL-BYRON
LOVELL
POWELL
SHERIDAN CO.
SHERIDAN 3
UCROSS 17
SHERIDAN 239 (116.1)
DENVER
CODY
GREYBULL
BASIN
BUFFALO
GILLETTE MUN.
GILLETTE ARPK.
GREAT FALLS
SALT LAKE CITY
MEETEETSE
CASPER 269
TO WRIGHT
MINNEAPOLIS
GREAT FALLS
ROCK SPRINGS 26

197
90
92
17
146
270
145
142
240
60
50
229
67
247
325
297
118
208
238
326
28
298
159

6000
5000
7000
12000
13000
10000
9000
AMBER 3
176
153
55
105
101
131
1000

RADIO — MONTANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400(BI)(116.1)	SBRAZ-DTXV	(3);116.1
Billings Airport	278 (118.7)	AC(ILS-W):247°,1.3	(4);118.7,126.18,122.5
BILLINGS LFM	(- - -)	LFM, 247°, 6	Billings
CUSTER (Int.)	215(CU)	MRLWZ;230°, 2	
LEWISTOWN	353(IT)(116.1)	SBRAZ-DTV,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-DTV,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 49°, 25.4	Billings
PARK CITY FM	(. - - -)	FM, 247°, 21	Billings
SHERIDAN			
SHERIDAN LFM	(- -)	LFM,118°,2.3	Sheridan
SHERIDAN	239 (ZY)(116.1	SBRAZ-DTV;298°,1.6	(4);116.1,122.1
UCROSS FM	(. - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BILLINGS	110.3	335	253°	IM-	MM- ·--·(0.6)	OM- --(4.3)
					MMK-	OMK- 251 -·-·
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice. 2-VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. +- Army A.C.S. transmits on and guards 116.1, 127.65, 140.55 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Big Horn Co.(Hardin)	2.3 ESE,riv W	3000	31 S1	(NC) 80 oct.
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW;riv 1.2 E	4450	43 L3	
(P)BILLINGS	2.5 NW,RR S	3612	57h R3 L6 S6	80,91,100 oct,
(P)Bones Bros.Ranch (Birney)	2 ESE,crk W	3500	29 S2	No fuel. ROUGH
(P)Chinook	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21 S1	80 oct.
(P)Columbus	1 ESE,RR N	3575	50 S1	80 oct.Poles W,E,NW.
★ Custer Int,25,HL-Twin Cities	2.3 E;hwy N	2868	44 L3	Poles NNW.
Denton	2.2 SSW;hwy S	3850	26 S2	80 oct.
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct.Trees SE,E.
Forsythe, 30 HL-Twin Cities	3 ENE;hwys S	2722	30 L3 S1	73 oct.Allway fld.
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct. P-line N,S,WSW
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct.Poleline E.
Harlem	2.3 NNE;RR S	2560	24 S2	80,91 oct.ESE blocked.
(P)Harlowton	2 WNW,riv S	4400	29 S2	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Havre-City-County	4 WSW;RR 1 N	2589	48h S6	80 oct.ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
(P)Jordan	1.8 WNW,rd S	2637	40 S1	80 oct. Road W.
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	49 L3	lgts on req.
(P)LEWISTOWN	2.5 SW,RRNW	4177	90h R1 L5 S4	80,91 oct.No flood lgts.Rnwy
(P)Malta Airpark	0.8 SW,RR N	2270	31 S1	80 oct.Shrubs NW.
★ Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L3	
(P)MILES CITY	2.5 NW;hwy N	2628	56h R1 L5 S6	73,91,100 oct,Fld lgts prior req.
Poplar (NC)	0.8 N,RR S	1970	28	
(P)Rapelje	1 SE;1k NE	4030	38	
(P)Red Lodge	0.5 WNW	5600	29	ROUGH. Road N.
(R)Roundup	1.9 N;hwy W	3500	37 S2	80 oct.Rough.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W.
(P)Scobey	1 NW,RR S	2458	34 S1	80 oct.
(P)Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80,91 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
(P)Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)	2 W,hwy N	3002	18	
WYOMING				
Basin	2.5 NE;riv W	3775	32	Hills S.E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	73 oct.
Cody	2 ESE;hwy S	5084	50 S6	80,91 oct. P-line S.
Cowley-Lovell-Byron (Cowley)	2 NNE,rd NW	4050	32	
(P)Gillette	5.2 NNW	4380	36 S4	80 oct.Hwy E.
(P)Grey Bull	2 NW,hwy S	3900	71 S4	73,91 oct.Hill NW
(P)Powell	8 NNW	5054	42	Storage.P-line N,NE.
(P)SHERIDAN COUNTY (Sheridan)	2 SSW,creek N	3961	61h R1 L5 S6	80,91 oct.
NEW AIRPORTS				
Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S4	80 oct.Poles NW.
Moore, (Mont.)	0.5 E;RR NNW	4100	19 S2	80 oct. P-line W.
Lovell (Wyo)	1 SE;hwy W	3850	26 S1	80 oct.
Meeteetse (Wyo)	3.4 SW;riv N	5950	36	P-line SW
Bridger (Mont)	0.3 W;RR S	3675	30 S2	80 oct.S blkd Poles N

RADIO

NORTH DAKOTA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-DTV,260°, 2.3	(4); 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-DTV,167° 2.1	(4); 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT(Port O' Minot)	209 (UI)	BMRLZ-DT,301°, 3.3	(4)

SOUTH DAKOTA

PHILIP (Int.)	206(IL)(116.1)	MHTV	(4);116.1,122.1
→ PIERRE	347(PX)(116.1)	SBRAZ-DTV;249°, 3.5	(4);116.1,122.1
RAPID CITY	221 (RZ)(116.1)	SBRAZ-DTV	(4);116.1,122.1
Rapid City AAB	396 (126.18)+	CA;345°,5.5	(4); 126.18
SPEARFISH (Black Hills Airport)			DECOMMISSIONED

S-Stand. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 149.58 mcs.

AIRPORTS

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Baker	0.8 SSE;lk N	2990'	35 S2	80 oct. Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct. Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
(P) Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.

NORTH DAKOTA

Beach	0.8 NNW	2814	30 S2	73 oct. Poles ENE.
→ (P) BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S6	80,91 oct.
Bowman	1.5 W,RR N	3000	24 S2	80 oct. P-line N.
Chandler(Williston)	3 W,RR SE	1877	31 S6	80 oct. Bldg N.FEE.
(P) Crosby	1 N,RR SW	1962	32 S2	80 oct.
→ (P) Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3 S1	80,91 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X I I) NC-(not charted). → New or revised data.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dunseith (NC)	1.5 S	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct.Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S2	80 oct. Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S1	80 oct. Polelines S.
New England	3NE;hwy W	2666	24 S6	80 oct. P-line W
Parshall	1.2 S;hwy E	1970	22 S1	80 oct. P-line W
(P) PORT O'MINOT (Minot)	1.6 NNE, hwy W	1723	58h R1 L S6	80,91 oct. Port rnwy lgts. Pwr line SW.
Rhame	1.5 SW,	3150	23 S1	80 oct. P-line S,SE,SW
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct. Poleline N,NW.
★ Washburn Int,4,RK-UI	5.1 N,hwy W	1906	40 L3	Pole line W.
(P) Watford City	1.2 ENE,hwy S	1975	31 S1	80 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct. Obsts N,E,S
Worth(Dickinson)	1.8 SW,riv NW	2455	28 S6	80 oct. Hangar NW.
Wright(Williston)	2 NNE	1876	32h S6	80,91 oct. Data unver.
Wyman (Mott)	0.8 S;riv ENE	2495	30 S2	80 oct. P-line W,SE.

SOUTH DAKOTA

(P) Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
→ BLACK HILLS	4.5 E,hwy S	3900	58 S6	73, 91 oct.(Spearfish)
Geronime(Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct. Poles sur fld
Halley(Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
(P) Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct. Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct. Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct. No sto. Poleline N
→ PIERRE	3.5 NE,riv SE	1742	72h R1 S1	80,91 oct.
(A) Rapid City AAB(A)	8 NE,RR S	3284	83h R2 L5 S4	73,91,100 oct. JP-1.
Rushmore(Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.

NEW AIRPORTS

Hettinger (N.D.)	1 NNW;RR S	2675	32 S2	80 oct. N,NW blkd.P-line NE
Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E.ARPT OF ENTRY.
Bottineau, (N.D.)	1 N;RR W	1645	35 S1	80 oct.E,W,N,SE blkd.
Sherwood (N.D.)	2 N;hwy E	1650	26 S2	80 oct. Pole E. Use strips only.
Wright(Williston,N.D	3.2 N	1860	32 S6	80,91 oct. P-line S,W. Use strips only.
Harding Co.(Buffalo,S.D)	0.5 E;riv 0.5 S	2950	21	
McIntosh (S.D.)	1.3 E;lk SW			ABANDONED.
Universal(Bison,S.D)	0.8 N;bldg 0.5 SE	2600	24 S2	71 oct. Use strips only
Rebenberg (Selby,S.D.)	2 S;hwy W	1790	30 S2	80 oct. Use strips only.
Lemmon (S.D.)	3 SE;hwy 1 N	2518	26 S6	80 oct. Use strips only. P-line SW.
→ Selfridge (N.D.)	2 SW;RR 2 E	2100	24	

10 BISMARCK

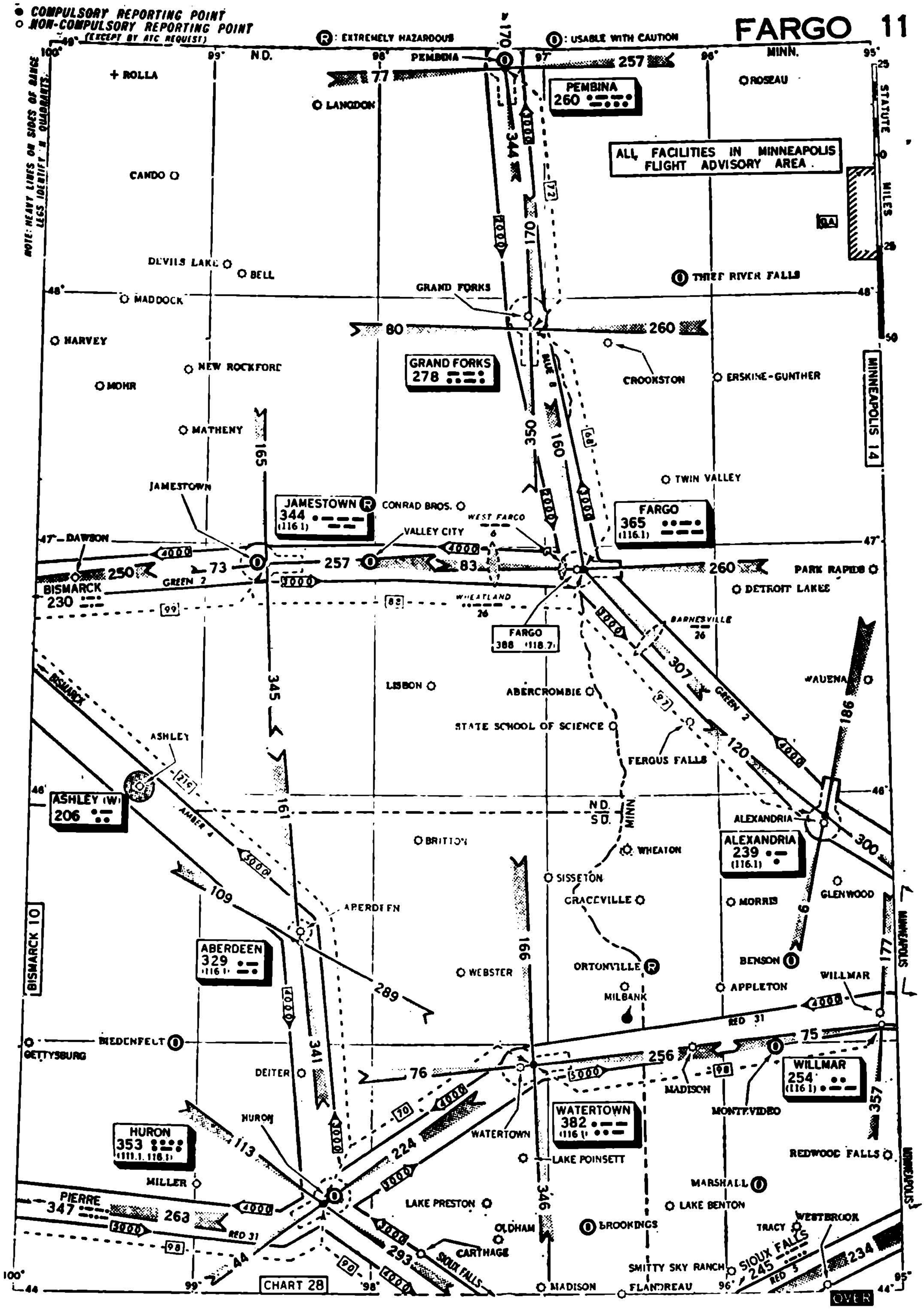
R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS

105° 104° 103° 102° 101° 100°

CROSBY
PORTAL
SHERWOOD
BOTTINEAU
PLENTYWOOD
MOHALL
121
211
TOWNER
RUGBY
MINOT 209
PORT O'MINOT
WRIGHT
CHANDLER
WILLISTON
48°
PARSHALL
MILLER
SIDNEY
WATFORD CITY
31
101
FARGO 11
167
ILO
WASHBURN
DICKINSON 308 (116.1)
BISMARCK 230 (116.1)
GLENDIVE
GLEN ULLEN
47°
BEACH
GOLVA
WORTH
JUDSON
BISCOLL
TO JAMESTOWN
MILES CITY 320
69
256
80
2505
238
GREEN 2
353
100
NEW ENGLAND
DICKINSON
BISMARCK
BAKER
WYMAN
RHAME
BOWMAN
347
46°
MONT.
N.D.
S.D
HETTINGER
SELFRIDGE
LEMMON
BILLINGS 7
HARDING CO.
UNIVERSAL
MOBRIDGE
FRIEDBERG
MINNEAPOLIS
DENVER
MONT.
WYO.
S.D.
45°
165
D.A.
BLACK HILLS
NEWELL
RUSHMORE
GERONIME
MALLEY
RAPID CITY 221 (116.1)
RAPID CITY AAB 396 (126.18)
PIERRE 347 (116.1)
144
31
69
246
348
PHILIP 206 (116.1)
PHILIP
PIERRE
122
HIGHLIGHT
82
66
CHART 27
105°
44°


● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
FARGO 11
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'A' QUADRANTS
ROLLA
N.D.
PEMBINA
MINN.
ROSEAU
LANGDON
CANDO
DEVILS LAKE
BELL
MADDOCK
HARVEY
NEW ROCKFORD
MOHR
MATHENY
JAMESTOWN
CONRAD BROS.
DAWSON
BISMARCK
GREEN 2
VALLEY CITY
WEST FARGO
GRAND FORKS
CROOKSTON
ERSKINE-GUNTHER
TWIN VALLEY
THIEF RIVER FALLS
PARK RAPIDS
DETROIT LAKES
WHEATLAND
BARNESVILLE
WAUENA
LISBON
ABERCROMBIE
STATE SCHOOL OF SCIENCE
FERGUS FALLS
ASHLEY
AMBER 1
ABERDEEN
BRITTON
WHEATON
SISSETON
GRACEVILLE
ORTONVILLE
MILBANK
WEBSTER
ALEXANDRIA
MORRIS
GLENWOOD
BENSON
APPLETON
WILLMAR
MADISON
MONTEVIDEO
WATERTOWN
LAKE POINSETT
REDWOOD FALLS
MARSHALL
LAKE BENTON
BROOKINGS
OLDHAM
TRACY
WESTBROOK
SIOUX FALLS
SMITTY SKY RANCH
FLANDREAU
CARTHAGE
LAKE PRESTON
HURON
MILLER
PIERRE
REDFIELD
GETTYSBURG
DEITER
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA.
STATUTE MILES
MINNEAPOLIS 14
BISMARCK 10
MINNEAPOLIS 177
PEMBINA 260
GRAND FORKS 278
JAMESTOWN 344 (116.1)
FARGO 365 (116.1)
FARGO 388 (118.7)
ASHLEY (W) 206
ABERDEEN 329 (116.1)
ALEXANDRIA 239 (116.1)
WILLMAR 254 (116.1)
WATERTOWN 382 (116.1)
HURON 353 (111.1, 116.1)
SIOUX FALLS 245
BISMARCK 230
PIERRE 347
CHART 28
OVER

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
MINNESOTA			
ALEXANDRIA	239(AE)(116.1)	BMLZ-DTV,186°,2	(4); 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
WILLMAR	254(IW)(116.1)	SBMRAZ-DTV,357°,3.3	(4); 116.1
NORTH DAKOTA			
ASHLEY (Int.)	206 (AI)	MHW	(Cont.)
FARGO	365(FO)(116.1)	SBRAZ-DTV;263°,0.9	(3); 116.1
Fargo-Hector Arpt	388(118.7)	C	(4);118.7,122.5
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-DTV,253°,1 5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5 5	Fargo.
WHEATLAND FM	(. . - - -)	FM, 260°, 25.5	Fargo.
SOUTH DAKOTA			
ABERDEEN	329 (AN)(116.1)	SBRAZ-DTV,341°,2.5	(4);116.1,122.1
HURON (W.W.Howes)	353(HR)(vhf)	BMRLZ-DTV,44°,2.7	(4);116.1,122.1
WATERTOWN	382 (WU)(116.1)	BMRLZ-DTV,256°,2.8	(4);116.1,122.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116 1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
MINNESOTA				
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S6	80,91 oct. No sto. Fld lgts on req.
Appleton	1.9 NNE,riv S	1010	34 S6	80 oct. No sto.
Benson	2.4 NW	1031	22 S2	80 oct. P-line S,SE,SW.
Crookston	3 NNW,RR N	875	30 S6	80 oct. No sto. Obst.
Detroit Lakes	2.7 W,RR N	1392	35 S6	80 oct. No sto. sur fld.
Fergus Falls	4.3 W;riv E	1160	20 S6	80 oct. Poleline W.
Graceville	0.8 WNW,RR S	1110	18 S1	80 oct. P-line S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct. P-line N,S,W.
(P) Marshall	1.5 W;RR S,E	1167	30 L1 S6	80 oct. P-line S.
Montevideo	2.2 NNE;hwy W	950	25 S1	80,91 oct. P-line NW.
(P) Morris	2.7 WSW,RR N	1134	31 S6	80 oct. P-line NE.
Ortonville	1 ESE,hwy S	1090	30 S1	80,91 oct. P-line SE.
Park Rapids	1.7 SSW,RR E	1440	30 S6	80 oct.
Redwood Falls	1.8 NE,riv NE	1025	25 S1	80 oct. Poleline SE,SW.
Thief River Falls	3.6 S, riv W	1110	25 S2	80 oct. Trees NW
Wadena	1 E,RR NW	1300	30 S4	80 oct. No sto. P-line S,NW
Westbrook	1 SE,hwy N	1500	18 S1	80 oct.
Willmar,16,HR-MP	1.5 W,RR E	1130	30 R1 L3 S6	80 oct. P-line E.
NORTH DAKOTA				
Abercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.
NEW AIRPORTS				
Oldham (S.D.)	1 ESE	1668	25	Use strips only. Poles N
Gettsburg (S.D.) (S.D)	1.5 S;dams 1 SW	2082	27 S4	80 oct. Use strips. Poles S,W
Lake Poinsett(Arlington)	4.3 ESE;lk,hwy E	1680	22 S2	80 oct. Use strips. Poles SE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.
(See page XIII) (NC)-not charted → NEW OR REVISED DATA.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
NORTH DAKOTA				
★ Ashley Int,40,OH-RK	1 SE,hwy N	2026	40 L3	
Cando	1.1 SW,RR E	1490	28 S4	80 oct. No sto.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	P-line W.
(P) Devils Lake	2.5 W,hwy S	1450	46h L S6	80,91 oct. Port lgts on req.
(NG) FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73,80,91 oct; 100 oct,JP-1 (S4) N.G. Army.
(P) GRAND FORKS	2.6 WNW,RR S,E	837	49h R1 L5 S6	80,91 oct. ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	27 S1	80 oct.
(P) Jamestown	1.5 NE,hwy S	1498	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	24 S1	80 oct. P-line N,NW.
Lisbon	0.8 SSW	1151	21 S1	73 oct. Polelines N,S. Tank NE
(P) Matheny (Carrington)	1.3 W,RR N	1580	32 S6	80 oct. No sto. Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct. W,SW,NW
New Rockford	1.5 N; RRW	1533	32 S6	80 oct. No sto. P-lines E,
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct. ARPT. OF ENTRY.
Rolla	1.5 N;hwy E	1850	25 S4	80 oct.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct. Poleline N;pwrline E.
(P) Valley City, 71	1.5 NW,riv NE	1375	38h L1	(HL-Twin Cities)
SOUTH DAKOTA				
(P) ABERDEEN	2.9 E,RR N	1299	49h R1 L5 S6	80,91 oct. P-line SE,S.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct. Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Dieter (Redfield)	6 E;RR S'	1300	25 S1	80 oct. P-line sur fld exc.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct. Poles sur fld E,W.
Huron	1.3 NNW;RR SE	1287	43h R1 L3 S6	73,80,91 oct. P-line W.
Madison	3.7 ENE,hwy S	1688	26 S2	80 oct. Trees W;pole NW
★ Miller,Int.44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW;hwy E	1300	25	Pole line E. Use strips.
WATERTOWN	2 NW,RR NE	1736	69h R1 L5 S6	80, 91 oct.
Webster	3 S;hwy W	1848		Poles NE,W,NW. Use ctn
(P) W.W.HOWES(Huron)	See Huron above in alphabetical order - name changed.			
NEW AIRPORTS				
Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct. Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct. Pwr line SE,NNE.
Britton Mun.,(S.D.)	2 NNE;RR W	1350	24 S1	73 oct. Poles W.
Twin Valley Farm	1 W	1050	24 S1	80 oct. (Minn.)
Maddock, (N.D.)	1 N;hwy W	1650	23	Rough.
Roseau (Minn.)	1.6 NW;hwy S	1040	35 S1	80 oct. Pwr line N,W,NW.
Lake Benton, (Minn.)	7 NNW	1759	20 S1	80 oct.
Glenwood, (Minn.)	3.2 E;hwy N	1400	26 S1	80 oct. Allway fld,N,NE;
Smitty Sky Ranch,	6.5 NNW	1817	22 S1	73 oct. (Minn.) NW blkd.
Bell (Devils Lake,N.D	2 SSE;	1478	30 S6	80 oct. (Minn)
Erskine-Gunther	2 ENE;lake S	1150	23 S1	80oct. P-line ENE(Erskine,
Lake Preston (S.D.)	1.2 ENE;lk N	1725	18 S2	80oct. Stacks E. Rough. Poles
Conrad Bros.(Page,N.D)	4 E	1080	15 S2	80 oct.
Wheaton (Minn)	3.0 SW;crk N	996	20 S1	80 oct.
Tracy (Minn)	1.2 NE;hwy S	1338	23 S1	80 oct.

MINNEAPOLIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Aitkin Mun. (Minn)	1.7 ENE;riv W	1208	26 S1	80 oct.
Amery (Wis)	3.4 NNW;lk SW	1100	26 S6	80,91 oct.SE blkd.
Anderson (Cocato, Minn)	2.6 ENE;RR S	1020	23 S1	80 oct.Poles S;trees W.
Anoka Flying Service (Minn)	1.2 SE	896	19 S6	73,91 oct.Poles NE;twr SE
Arrowhead (Rice Lake, Wis)	2 SSE;lake S	1190	24 S4	80 oct.Use lndg strips only
Ashland (Wis)	2.5 SSE;RR E	700	19 S2	80 oct.Use strips only.
Barron (Wis)	1.1 ENE;riv W	966	26 S2	80 oct.E blkd.P-line W.
Baudette (Minn)	0.8 NW;riv N	1080	27 S4	80 oct.ARPT OF ENTRY.
(P)Bemidji (Minn)	3.8 NW;hwy S	1395	57h S6	80, 91 oct.
Bemidji-Port-O-Wilds (Turtle River, Minn)	1.2 NW;lake W	1350	23 S1	80 oct.P-line NE.Use strips only.
Bleick (Fairfax, Minn)	2.5 N	1050	18 S1	80 oct P-line E.
(P)Bong (Superior, Wis)	2.3 S; RR E	674	33 S6	80 oct.P-line SE.Twr NW
Boyceville (Wis)	0.5 E;RR N	948	21 S2	80 oct.P-line W,N,NE Use
Boyd's Mason Lake(Fifield,Wis)	13 WSW;lk NW	1200	30 S1	80 oct.N,E,W blkd. strips
Brainerd (Minn)	1.3 SSE;hwy W	1210	25 S6	80 oct.
Burnett Co. (Siren, Wis)	2.6 NNE;hwy E	988	39h	Trees SW,NW.RR W.
(A)Camp Ripley (Little Falls,Minn)	7.5 N;riv E	1149	70	Water twrs SE. (A)
(P)Carleton (Stanton, Minn)	0.7 NE;RR W	870	30 S6	80 oct.Flares on req.Obst
Chetek (Wis)	1.5 SE;lake E	1050	22 S2	80 oct.P-line S, sur fld SE. Use strips only.
Chippewa Falls (Wis)	2 S; RR NW	910	26 S6	80 oct.P-line SW,W NW,S
Colby-Abbotsford (Colby,Wis)	1.2 NNW;RR E	1400	26 S4	80 oct.P-line NNE. blkd.
Coleraine (Minn)	0.8 SSE;lk SE	1390	25 S4	80 oct.
Crosby (Minn)	0.5 NE	1266	25 S1	80 oct.P-line SSE.
Cumberland (Wis)	3 SE;lake NE	1175	26 S4	80 oct.N,S blkd.
Dallas (Wis)	0.7 SSE;RR W	1100	26 S2	80 oct. S blkd.
DULUTH Range (Minn)	221 (DH)(116.1)	13°,3.9	SBRAZ-DTV	(4); 116.1
(P)Duluth (Minn)	6.5 NNW;hwy S	1428	57h S6	80,91 oct Clsd ngts,except airlines.ARPT OF
Eau Claire (Wis)	1.5 SSE;hwy N	884	31 S6	80,91 oct.Obst. ENTRY. sur field.
(P)Eau Claire Mun. (Wis)	3.5 NNE;riv NW	885	43h	Trees SW.
Eau-Claire Sky Park (Wis)	2.0 SSW;RR W	886	28 S4	80 oct P-line S,SE.Trees
Ely (Minn)	1.2 E	1425	24	Trees sur fld SW,NW. Not maintained.
→ Faribault (Minn)	1.6 S;hwy W			ABANDONED.
(N)Fleming (So.St.Paul, Minn)	1.8 S;riv NE	822	15h S6	80 oct.Flares prior req.
Flying Cloud (Minneapolis,Minn)	13.8 SW;riv S	900	30 L1 S6	80 oct P- Rdo rprs. line S, NE.
Gervais (Tofte, Minn)	1.2 NE;hwy S	800	28 S5	80 oct
Gogebic Co.(Ironwood,Mich)	4.5 NNE;RR S	1246	24 S4	80 oct.Poles S.Soft when
Grand Rapids (Minn.)	1.5 SSE;lk NE	1293	25 S6	80 oct. wet.
Grantsburg (Wis)	1.5 NNE;riv S	870	13 S2	80 oct.Trees NE,SW Use
(P)Hayward (Wis)	2 NE;RR NW	1200	30 S4	80,91 oct. strips.
Hector (Minn)	0.7 S;RR N	1100	25 S1	80 oct.P-line W,NW,SW.
Heywood Gull Lake (Nisswa,Minn)	1.7 SSW;lk S	1200	18 S2	80, 91 oct.
(P)Hibbing (Minn)	4.5 SE	1367	40h L4 S6	80,91 oct.Lgts on req.
(P)Hincks (Monticello, Minn)	1.3 NNE;riv SSW	940	44 S6	80 oct.P-lines S,SW.
Holcombe (Wis)	0.5 NNE;riv W	1038	14	P-line NNE;bldgs SSW.
Hudson Flying Service (Wis)	3.8 E;hwy N,W	850	18 S1	80 oct.P-line NE,SW.Ctn.
Hultquist's Sky Ranch (Minong,Wis)	1.9 W;lk W	1180	13 S4	80,91 oct.Trees S,N.
Hutchinson (Minn)	2.5 SSE	1052	28 S1	80 oct.
(P)International Falls (Minn)	2.2 S	1175	30h S4	80 oct. ARPT OF ENTRY.
→ Jackson Co.(Black River Falls,Wis)	2 E; RR W	855	28 S6	80 oct.P-line W,NW,SW.
Kentoby (Annandale, Minn)	1 E	1066	24 S2	80 oct.
Kenyon (Minn)	0.8 S;RR E,N	1240	20 S1	80 oct.P-line N,NE.
(P)Lake City (Frontenac, Minn)	0.5 SE;RR N	775	44 L3 S6	80 oct.
Le Sueur (Minn)	1.1 S;riv W	900	24 S4	80 oct. Rolling.
Litchfield (Minn)	1.2 NE;hwy N,W	1140	24 S2	80 oct.
Littlefork (Minn)	1.8 WNW;riv E	1153	19 S2	80 oct. P-line S.
Mankato (Minn)	1.7 SE;hwy W	996	29 L1 S6	80,91 oct.P-line NE,SE. Flare pots on req.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 S6	80 oct.Flare pots in emerg
Menomonie (Wis)	3.2 NE;RR N	2895	26 S1	80 oct.Obst sur fld.
Miller (Garrison, Minn)	1.4 N	1264	22 S1	80 oct.
MINNEAPOLIS Range (Wold Chamberlain (Minn)	266 (MP)(116.1)	298°,3.6	SBRAZ-DTV	(3); 116.1
Neilsville Memorial (Wis)	5.7 W;hwy SW	1000	24 S1	80 oct.Trees sur fld.
New Richmond (Wis)	3.5 ENE;RR S	990	24 S1	80,91 oct.Bldg E;trees W.
(P) New Ulm (Minn)	1.8 W;RR N	1000	32 S1	80 oct.P-line N;hwy N.
Northport (White Bear Lake,Minn)	3.2 E;lake W	1000	22 S6	80,91 oct.
(P)Otis Lodge (Grand Rapids,Minn)	7.5 SW;lake S	1293	26 L1 S4	80 oct. Seaplane base S.
Owatonna (Minn)	2.9 NW;hwy E	1143	23 S6	80 oct.
(P)Phillips (Wis)	1.2 N;riv S	1140	30	P-line W,SW.
Pine Beach (Brainerd, Minn)	8.8 WNW;lk N	1250	21 S1	80 oct.P-line NW,W,SE,E.
Pines (Bloomer , Wis)	0.9 E; RR W	1050	16 S2	80 oct.Poles S,W.Rough.
Pleasant Corners (Dodge Ctr,Minn)	2 ESE;RR N,W	1050	13 S1	80 oct.Poles S. W blkd.
Price Lake (Phillips, Wis)	12.5 WNW	1140	22 S1	80,91 oct.Trees on all but
Princeton (Minn)	1 NNW;riv N	976	21 S4	80 oct.Trees lake appch N, W. Use strips only.
→ Rainbow (Winter, Wis)	4.2 WSW;riv S	1265	23 S1	80 oct.W appch hazardous.
Red Wing (Minn)	2.5 NE;hwy N,W	790	21 S1	80 oct. Strip rolling.
Rice Lake (Wis)	3.5 NNE;RR W	1150	37 S4	80 oct.Poles sur fld.
→ River Falls (Wis)	0.5 NW;riv,RR E	865	18 S1	80 oct.P-line N,S;trees E.
Robbinsdale (Minn)	0.8 NW;RR E	879	14 S6	80 oct. Obsts N,S.
Rusk Co. (Ladysmith, Wis)	2.8 SE;RR SE	1150	25 S2	80 oct.Use strips only.
(NG) St. Paul (Minn)	1.5 SE;riv E,N	704	55h L4 S6	80,91 oct. 100 oct. NG.
St. Peter (Minn)	2.4 NNW;riv E	900	20 S4	80 oct. P-line S.
Sand Creek (New Auburn, Wis)	7 WSW;riv E	990	26 S1	80 oct.Trees N. S blkd.
(P) Schlosser (Durand, Wis)	2.4 NNW;riv W	800	32 S2	80 oct. P-line NE.
Sells Fly. Field (Mayer,Minn)(NC)	0.4 SSE	750	12 S6	80 oct.Hill N end. Ctn.
Sky Harbor Lodge (Pine Riv.,Minn)	1 NE;lake NW	1340	26 S1	80 oct.P-line N,S,W.Trees
→ Sky Haven (Eau Claire , Wis)	5 SW;riv,RR W	840	31 S6	80 oct.P-line S,SW. E
Shell Lake (Wis)	1.2 SE;RR W	1214	29 S1	80 oct.Trees N,NE,S.
Spencer (Wis)	0.5 WSW;hwy N		22 S2	80 oct.Fence S,SW.Data unv
Spooner (Wis)	5 N;lake NW	1072	26 S1	80 oct.Trees S.Use strips.
Springfield (Minn)	0.5 W;hwy N	930	22 S1	80 oct.P-line ENE,E,ESE.
Staples (Minn)	1.5 NNW	1298	32 S1	80 oct.Use strips. WNW.
Taylor County (Medford, Wis)	2 SE;riv NW	1400	21 L S1	80 oct.P-line N.Flares on
Thorp (Wis)	1.4 SSW	1225	20 S1	req
Thorp City (Wis)	0.6 SSE;RR N	1225	22 S1	80 oct. Hwy N.
Todd (Brainerd, Minn)	1.5 NW;riv SE	1250	26 S1	80 oct.
Union (Iron River, Wis)	2.2 WNW;RR S	1100	19 S1	80,91 oct.E blkd.Use strips
University of Minn. (New Brighton) Minn)	3.8 N;hwy W	909	34 S6	80 oct.Trees E.P-lines W, NW,SW,N.
Victory (Minneapolis, Minn)	9 N; riv E	860	39 S6	80,91 oct.P-line SW.
Virginia (Minn)	2 WSW;bet RRs	1429	35 S4	80,91 oct.P-line N.
Waseca (Minn)	0.5 S;RR NW	1150	39 S2	80 oct. P-line N.
(P)Whitney Mem'l (St. Cloud, Minn)	1.5 NNW;riv E,N	1034	35 L3 S6	73, 80 oct.
Winona (Minn)	4.5 WNW	670	24 L3 S6	80,91 oct.Hwy NW.
WOLD CHAMBERLAIN Tower (Minneapolis, Minn)	278 (126.18, 118.3)+		AC (ILS)	(4); 122.5,126.18,118.3
(A,N)[Wold-Chamberlain] (Minneapolis, Minn)	6.5 SSE;hwy S	834	59h L4 S6	80-100 oct.JP-1.Rdo rec. rqrd.N blkd.Ltd maint.fac for mil.acft

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

	LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
→	WOLD CHAMBERLAIN	109.9	333.8	354°	MM- •—•— (0.70) OM- ——(4.7) MMK- 201 ••• OMK- 219 ——

NEW FACILITIES

Owen (Wis)	0.7 NE;RR S	1270	19 S1	80 oct.P-line N,NE,SW,W,
Taylor Falls (Minn)	1.5 W; riv E	950	23 S6	80 oct. N.V.
Waldoch Fld(Forrest Lake,Minn)	6.5 SW	905	22 S1	80 oct.P-line E.
Southport(Rosemount,Minn)	4.4 WSW	962	26 S4	80 oct.P-lines sur fld.
Sleepy Eye (Minn.)	3.3 SSE;lk 2 E	936	21 S1	80 oct,P-line N.
Morgan (Minn)	1.5 NNE	1025	20 S1	80 oct.P-line E

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

14 MINNEAPOLIS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

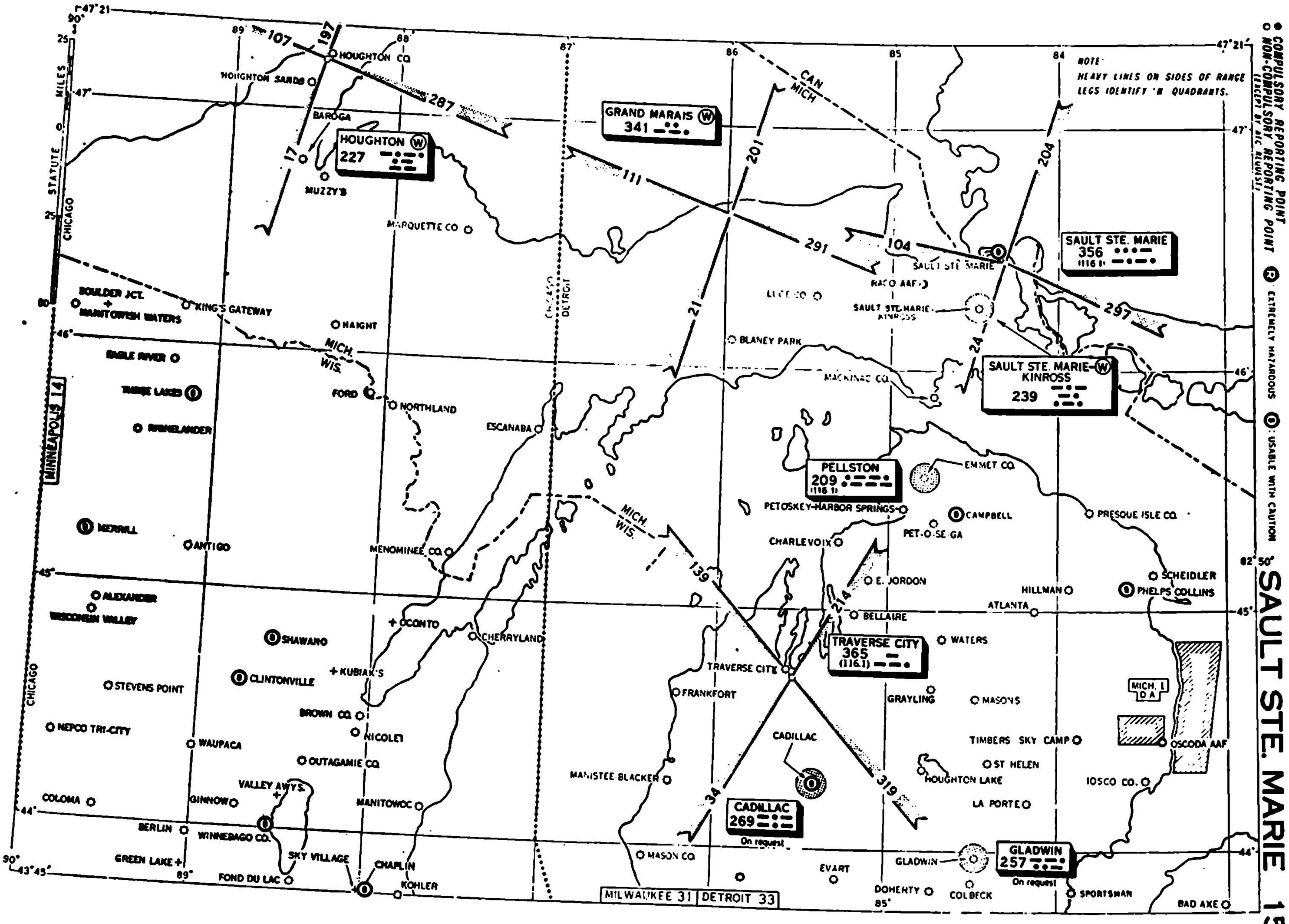
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

95° 94° 93° 92° 91° 90° 49° 48° 47° 46° 45° 44°

25 MILES 0 STATUTE 25 50

BAUDETTE
INTERNATIONAL FALLS
CAN.
MINN.
LITTLE FORK
D A
ELY
FORT WILLIAMS
4000
GERVAIS
BEMIDJI-PORT-O-WILDS
BEMIDJI
VIRGINIA
HIBBING
171
COLERAINE
GRAND RAPIDS
OTIS LODGE
193
DULUTH
5000
89
269
SKY HARBOR LODGE
DULUTH
221
(116.1)
4000
BONG
UNION
ASHLAND
WISC.
MICH.
GOGEBIC CO.
FARGO 11
PINE BEACH
HEYWOOD
CROSBY
AITKIN MUN.
STAPLES
TODD
BRAINERD
MILLER
CAMP RIPLEY
VICTORIA
HULTQUIST'S
HAYWARD
SPOONER
BURNETT CO.
RAINBOW
BOYD'S
PRICE LAKE +
PHILLIPS
SHELL LAKE
ARROWHEAD
RICE LAKE
CUMBERLAND
BARRON
RUSK CO.
CHETEK
DALLAS
SAND CREEK
HOLCOMBE
PINES
TAYLOR CO.
THORPE CITY
OWEN
THORPE
COLBY-ABBOTSFORD
BOYCEVILLE
CHIPPEWA FALLS
MENOMONIE
EAU CLAIRE MUN.
EAU CLAIRE SKY PARK
EAU CLAIRE
SKY-HAVEN
SCHLOSSER
MARSHFIELD
NEILLSVILLE
JACKSON CO.
SAULT STE. MARIE 15
ALEXANDRIA
239
GREEN 2
4000
300
131
WHITNEY MEM.
PRINCETON
GRANTSBURG
TAYLOR FALLS
AMERY
U. OF MINN.
NEW RICHMOND
BLUE 9
13
141
WISC.
MINN.
192
3000
LITCHFIELD
98
KENTOBY
118
ANDERSON
RED 31
264
HAMEL
24
WILLMAR
254
ROBBINSDALE
HINCKS
ANOKA
WALDOCH
VICTORY
NORTHPORT
HUDSON
ST. PAUL
FLEMING
RIVER FALLS
HASTINGS
10
RED WING
LAKE CITY
HUTCHINSON
WOLD-CHAMBERLAIN
278 (118.3, 126.18)
HECTOR
BLEICK
MORGAN
SIOUX FALLS
245
4000
R. 5
58
234
JORDAN
26
FLYING CLOUD
SOUTHPORT
30
3000
298
LE SUEUR
CARLETON
ST. PETER
NEW ULM
SLEEPY EYE
201
SPRINGFIELD
MANKATO
MINNEAPOLIS
266
(116.1)
KENYON
WASECA
OWATONNA
PLEASANT CORNERS
ROCHESTER
236
170
BLUE 9
39
80
RED 36
4000
120
WINONA
LA CROSSE
371
236
WISC. 2
D.A.

OVER
CHART 29


NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "M" QUADRANTS.
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
E EXTREMELY HAZARDOUS
U USABLE WITH CAUTION
HOUGHTON 227
GRAND MARAIS 341
SAULT STE. MARIE 356 (116.1)
SAULT STE. MARIE-KINROSS 239
PELLSTON 209 (116.1)
TRAVERSE CITY 365 (116.1)
CADILLAC 269 On request
GLADWIN 257 On request
HOUGHTON CO
HOUGHTON SARDS
BARAGA
MUZZY'S
MARQUETTE CO
SAULT STE MARIE
RACO AAF
SAULT STE MARIE KINROSS
LUCE CO
BLANEY PARK
MACKINAC CO
EMMET CO
PETOSKEY-HARBOR SPRINGS
CAMPBELL
PET-O-SE-GA
PRESQUE ISLE CO
CHARLEVOIX
E. JORDON
HILLMAN
SCHEIDLER
PHELPS COLLINS
ATLANTA
BELLAIRE
WATERS
TRAVERSE CITY
FRANKFORT
GRAYLING
MASONS
MICH. I D A
TIMBERS SKY CAMP
OSCODA AAF
ST HELEN
HOUGHTON LAKE
IOSCO CO.
LA PORTE
CADILLAC
MANISTEE-BLACKER
MASON CO
EVART
GLADWIN
DOHERTY
COLBECK
SPORTSMAN
BAD AXE
MENOMINEE CO
CHERRYLAND
+OCONTO
SHAWANO
CLINTONVILLE
+KUBIAK'S
STEVENS POINT
NEPCO TRI-CITY
WAUPACA
BROWN CO
NICOLET
OUTAGAMIE CO
VALLEY AWYS
GINNOW
MANITOWOC
COLOMA
BERLIN
WINNEBAGO CO.
GREEN LAKE
FOND DU LAC
SKY VILLAGE
CHAPLIN
KOHLER
ANTIGO
MERRILL
ALEXANDER
WISCONSIN VALLEY
BOULDER JCT.
MANITOWISH WATERS
KING'S GATEWAY
EAGLE RIVER
TRIPLE LAKES
RHINELANDER
HAIGHT
FORD
NORTHLAND
ESCANABA
MICH.
WIS.
CHICAGO
DETROIT
MINNEAPOLIS 14
MILWAUKEE 31
DETROIT 33
SAULT STE. MARIE 15
STATUTE MILES
47°21'
47°
46°
45°
44°
43°45'
90°
89°
88°
87°
86°
85°
84°
82°50'
25
80
107
197
287
17
111
291
104
201
21
204
24
297
139
214
34
319

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct.Lgts prior req
Alger Co. (Munising,Mich)(NC)	4 SSE;hwy E	850	26	Twr N;woods all sides.
Amasa (Mich) (NC)	4 NW	1560	14	Not maintained.
(P)Antigo (Wis)	2 ENE;hwy N	1483	33 S4	80,91 oct.Flare pots avail.
Arbor-Vitae (Woodruff,Wis)(NC	2.6 NW	1600	25 S2	80,91 oct.P-line N;trees E,
Atlanta (Mich)	0.8 ESE	875	22 S2	80 oct.Trees N,NW,W. W.
Au Gres (Mich) (NC)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW.NW blkd.
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct. Trees NE.
Baraga (Pelkie, Mich)	3.5 SE;hwy N	805	21 S2	80 oct.P-line N;trees E,S,
(P) Beaver Island (St.James,Mich)	4.2 SSW	620	35	NW,SE blkd. (NC) W.
(P) Bellaire (Mich)	1 NE;RR W,S	614	24 S1	80 oct.P-line E,SE.
Berlin (Wis)	2.9 W;hwy S	780	20 S1	80 oct.SE blkd.P-line SW.
Big Bear (Topaz, Mich)	2.2 S	1295	25 S2	80 oct. P-line S;trees E.
Big Lake (Baraga, Mich) (NC)	7.3 SW;rd W	1100	20	Trees all sides.Emerg.use
Blaney Park (Mich)	0.5 NW;lk N	850	18 S1	80 oct. P-line E.
Boulder Junction (Wis)	1.5 NW		38 S1	80,91 oct. Data unver.
Brevort (Mich)	1.2 NW;hwy S	620	23	Emerg. use. Trees E,W.
Brown Co. (Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct. E,ESE,SE blkd.
CADILLAC H Fac. (Int.)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac, 23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
Calbeck (Beaverton, Mich)	0.8 SW;RR W	728	27 S2	80 oct.Poles SE;trees E,NW
Campbell Mun. (Indian River)	0.8 SE;RR,hwy W	602	20 S1	80 oct.P-line N.(Mich)
Chaplin Arpk (Plymouth, Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
Charlevoix (Mich)	0.8 SW;lk NW	642	30 S2	80 oct. P-lines S,W,NW.
(P)Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P)Clintonville (Wisc)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blkd.Pwr line NE,SW,W.
Coloma (Wis)	3.0 NW;hwy E	1065	26 S2	80 oct. N,S blkd.
D.A.R. (Rexton, Mich) (NC)	1.9 WSW;RR N	900	22	Poles N.
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-ctn.
Eagle River (Wis) (NC)	1.3 NW;riv NW	1675	26 S1	80,91 oct. P-line E.
East Jordan (Mich)	1.9 SSE;riv W	640	26 S1	80 oct.P-line E,N;trees W
(P)[Emmet Co.] (Pellston, Mich)	0.6 NW;RR E	707	54h L3 S2	80,91 oct.Lgts on req.P-
Escanaba (Mich)	2 SSW	594	26 S6	80,91 oct.Trees E line N,E
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S.
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct.P-line N,NE,NW.
Ford (Iron Mountain, Mich)	2.5 W;riv W	1140	23 S6	80,91,100 oct. SE blkd.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Rough.
GLADWIN H Fac. (Mich)	257 (GU)		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND MARAIS Range (Mich)	341(IG)		RL-W	Oper State of Mich.
Green Lake (Wis)	4 W;hwy S	990	22 S1	80 oct. Data unver.
(P)Grayling (Mich)	1.3 NW;RR W	1152	60h S1	80 oct. Rnwy data unver.
(P)Haight (Crystal Falls, Mich)	1.3 ENE;lk E	1390	34 L1 S4	80,91 oct.Bldg SW,WNW.
(P)Harbor Beach (Harbor Beach, Mich)	2.5 W;rd S	670	20 L S2	80 oct. P-line NE,SE. Flood lgts prior req.
Harrison (Mich) (NC)	2.3 NNW;hwy E	1100	26 S2	80 oct.S blkd.Ctn-rough.
Hillman (Mich)	2.8 NW	995	23 S1	80 oct.Woods all sides.
HOUGHTON Range (Mich)	227 (CAM)		RL-W	Oper. State of Mich.
Houghton Co. (Calumet,Mich)	2 SE;RR NE	1200	26 S4	80 oct.Twrs,poles W. NW
Houghton Lake (Houghton Hgts, Mich)	1 W;lake NNE	1150	27 S2	80 oct.Pole NW; blkd. trees W,SSE,E.Rdo twr W
Houghton Sands (Mich)	2 ESE;RR SW	605	26 S3	80 oct. N lgtd.
Ishpeming-Dexter (Mich)(NC)	7 W;RR N,S	1570	25	Poles N.
Kalkaska (Mich) (NC)	0.5 WNW;RR E	1020	26	
King's Gateway (Land O'Lakes, Wis)	0.5 SSE;RR W	1736	44 S2	80,91,100 oct.P-line SE,SW. NW. Twr NE.
(A)[Kinross](Mich)(A)	See Sault Ste Marie-Kinross under "New facilities"-name changed.			
(P)Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct.SE blkd.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Rwy! Data unver.
La Porte (West Branch, Mich)	6 SE;RR W	890	26 S2	80 oct.P-line SW.Rough off
Lost Creek Sky Ranch (Red Oak)	4 SSE;hwy S	1090	26 S1	80 oct. (Mich) strips.
Luce Co. (Newberry, Mich)	4.1 SE;hwy S	872	28 S1	80 oct.NW blkd.Poles SE.
Mackinac Co. (St.Ignace, Mich)	2 NNW;hwy E	600	26 S2	80, 91 oct.
Mackinaw City (Mich) (NC)	5 S;RR W	700	22	
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct.P-line W,SW,SSE
Marenisco (Mich) (NC)	1.6 E;hwy N	1551	20	ENE,WSW blkd Bndry lgts.
Marquette Co. (Mich)	7.9 W;hwy S	1412	27 S2	80 oct. inop.
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
(P)Masons (Grayling, Mich)	12 ESE;riv 2 N	1000	40 S1	91 oct.
Menominee Co. (Mich)	5 NNE;bay E	590	27 S1	80 oct. Trees sur fld.
Merrill (Wis)	1.2 NNW;RR E	1285	22 L1 S2	80 oct.Use strips only.
Mio (Mich) (NC)	1.6 N;hwy W	1050	26	Emerg. use only.
Muzzy's (L'Anse, Mich)	2.3 SSE;RR E	1008	24 S1	80 oct.Poles ENE,ESE;
Nepco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts trees WNW on req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct.P-line E,W.Data unv.
(P)Northern Lakes (Manitowish,Wis)	6.8 E;hwy NE	1600	28 S4	80 oct. Trees E,W.
Northland (Norway, Mich)	1.8 ESE;RR N	1060	33 S3	80,100 oct.P-line N.
Norway Township (Loretto,Mich)	See Loretto Arpt under "New Facilities"- name changed.			
O'Conta (Wis)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver
Oconto Falls (Wis)	2.7 ENE;RR S			ABANDONED.
Onaway (Mich) (NC)	0.6 NNE;RR S	770	21	P-line SW;trees SE.
(A)Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Otsego Co. (Gaylord,Mich)(NC)	1 SW;lk 1.5 S	1384	40 S1	P-line E,NE.Trees N.
Outagamie Co.(Appleton, Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
PELLSTON H Fac. (Mich)	209(PJ)(116.1)		MHTV	(4);116.1,122.1 (6-22)
Pet-O-Se-Ga (Wildwood,Mich)	1.8 NW;lk NW	620	20 S2	80 oct. (Emmet Co.)
Petoskey-Harbor Spgs.(Petoskey)	4.5 NE;bay W	620	24 S2	80 oct.P-line E.Trees NW.
Phelps Collins(Alpena,Mich)	6.5 WNW;riv adj	685	50h L5 S4	80 oct.No bcn, SE (Mich) bndry lgts.Lgts on req.
Presque Isle (Rogers City,Mich)	0.7 SSE;hwy E	658	26 S2	80 oct.
Prickett-Grooms (Sidnaw,Mich)	0.5 N;RR S	1300	18 S1	80 oct.Use ctn Bldgs SE.
(A) Raco AAF (Mich) (A)	4.5 WSW;RR N	910	55h	TMP INACT.NO FACS SW.
(P) Rhinelander (Wis)	2 W;riv 1 SE	1598	37 S4	80,91 oct.Trees NW.
Roscommon (Mich) (NC)	2.5 SE;RR NE	1100	42	Trees all appchs.Emerg.
Roscommon Co.(Prudenville,Mich)	4.5 N;riv E	1150	26 S1	80 oct.Trees sur fld. use.
St. Helens (Mich) (NC)	0.9 SE;RR N	1153	26	Tree all appchs.Emerg.use
SAULT STE.MARIE Range (Mich)	356(VC)(116.1)	317°,2.2	SBMRAZ-DTV	(4);116.1,122.1
(P)[Sault Ste Marie](Mich.)	1 SSW;riv N	706	36 L3 S4	80,91 oct.Fld lgts on req.P-lines E,S.ARPT OF ENTRY
Scheidler (Alpena, Mich)	6.3 N;hwy NW	590	22 S4	80 oct.P-line NE,N,SW.
(P)Schoolcraft Co.(Manistique,Mich)	3.3 ENE;lk S	678	31	Appchs 5:1 (NC)
Shawano (Wis)	2.3 ENE;lk NE	813	40 L S6	80,91 oct.Poles SW.Lgts prior req.Rnwy data unv.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct Data unver.
Steuben (Manistique,Mich)(NC)	20 NW	850	18	Woods all sides.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
Three Lakes (Wis)	0.5 S	1664	14 S1	Fuel.Rough.Obsts sur fld.
Timbers Sky Camp(So.Branch, Tomahawk (Wis) (NC) Mich)	0.2 NE;riv 4 E	950	22 S1	80 oct.P-line NW.Trees NE
	0.5 WNW;riv N	1450	15	Obsts sur fld.Emerg.use.
TRAVERSE CITY Range (Mich)	365(TG)(116.1)	319°,2.2	SBMRAZ-DTV	(4);116.1,122.1
(P) [Traverse City](Mich)	2.1 SE;RR NE	618	52h L5 S6	80, 100 oct.
Valley Airways (Neenah,Wis)	3.9 SW;RR E	760	21 S4	80 oct.P-line E;trees S.
Washington Island (Wis) (NC)		600	24	0.6 NNE of Detroit Harbor
Waters (Mich)	0.6 N;hwy W	1225	25 S1	80 oct.P-line NW.Trees sur
Watersmeet (Mich) (NC)	1.2 NNE;RR SSE	1581	22	Poles SE.Emerg.use. fld.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
(P)Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.P-line NE,N,W Rnwy data unver.
Wisconsin Valley (Rothchild,Wis)	2 S;RR,hwy W	1180	30 S4	80 oct.P-line N, NW.
NEW FACILITIES				
Loretto (Mich) NC	2.4 S;lake N	860	21	Trees on side strips.
SAULT STE MARIE-KINROSS H Fac (Mich)	239 (KNR)		HW	Civil Fac.
(A)[Sault Ste Marie-Kinross] Kinross,Mich)	2.5 SE	780	55h S1	91 oct.Army Tmp Inact.
Sportmans Fld(Pinconning,Mich)	1.7 ESE;riv N	592	27 S2	80 oct.Bldgs NE,trees SW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) * - Guarded only when associated tower inoperative.

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ▸.
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

PRESQUE ISLE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Andover (Me) (NC)	2.5 S;hwy E	675	17 S3	1125' hill, pole E.
Aroostook Fly.Svc.(Ft.Fairfield)	1.7 E;riv W			ABANDONED(Me)
(P)[Auburn-Lewiston](Auburn,Me)	4.5 SW;RR W	290	45h L5 S6	80,91 oct.P-line E,SE.Fld lgts on req.
AUGUSTA Range (Me)	221(AW)(116.1)	81°,2.0	BMRLZ-DTV	(4); 116.1
[Augusta] (Me)	1.5 WNW;hwy S	354	34h L5 S6	80,91 oct.Fld lgts on req.
Austin (Swanton, Vt)	1.7 NE;RR W	235	21 L S6	80,91 oct.Port rnwy lgts prior req.ARPT OF ENTRY
Austin (Washington, Me)	2.6 W;hwy N	280	13 S1	80 oct.
BANGOR Range (Dow) (Me)	239(BB)(116.1)	172°,2.1	SBRAZ-DTV	(4); 116.1
Bar Harbor (Me)	9 NW;hwy W	87	45h L3 S6	80 oct. P-line NNE.
(P)[Barre-Montpelier](Barre,Vt)	3 W;pond SW	1149	41h L5 S6	80, 91 oct.
(P)Belfast (Me)	1 SW;hwy E	160	40h S6	80 oct.
(P)Berlin (N.H.)	7.5 N;riv W	1140	52h S4	80, 91 oct.
Bethel (Me)	1.6 NW;RR E	660	16 S2	80 oct. Trees W.
Billings Arpk(Ellsworth, Me)	4 SSE;hwy S,E	85	18 S1	80 oct. Trees NW,SE.
Bishop (La Grange, Me)	0.8 N	360	10 S4	80 oct. SSW,WSW blkd.
Bradley (Watertown, N.Y.)(NC)	2.2 N;RR E	435	25 S6	80 oct.P-line W,SW S blkd
Bristol (Vt)	0.7 W;riv SE	570	21 L S6	80 oct.Port rnwy lgts.ENE
Brown (St.Johnsbury, Vt)	5.2 N;RR E	807	21 S6	80 oct.Obsts sur fld. blkd.
BURLINGTON Range (Vt)	323(JG)(116.1)	151°,2.8	SBRAZ-DTV	(3); 116.1
BURLINGTON Tower (Vt)	278(126.18,118.7)		C	(4);122.5,126.18,118.7
(NG)[Burlington] (Vt)	3 E;riv NE	334	44h L5 S6	80,91 oct.ARPT OF ENTRY
Caribou (Me)	1 N;riv SE	623	35h S6	80 oct.Bldg E.ARPT OF EN-
Central (Lewiston, Me)	1 NE	220	15 S1	80 oct. TRY.
Champlain (Colchester, Vt)	6.3 W;RR W	120	17 S4	80 oct.P-line S;swamp W.
Community Arpk (Mapleton,Me)	4.3 NE	630	8 S1	80 oct. Lgt planes only
Damon (Pottsdam, N.Y.)	1.5 E;hwy S	460	20 S1	80 oct.P-line N Strps rough
Dean Memorial (Haverhill,N.H.)	4.1 NE;RR W	570	21 S1	80 oct.Trees at ends NNW,ESE,SSE.
Deblois Flight Strip (Me)	2 SE;riv W,N	219	40h	CLOSED.
(P)Dexter (Me)	3 ESE	485	30h S4	80 oct.
Dingley (Auburn, Me)	2.5 NW;lk N	320	18	P-line SW.
Doane's (Brewer, Me)	1.6 S	100	17 S6	80 oct.P-line NNW.Trees E
DOW Tower (Bangor, Me)	278 (126.18)+		CA (ILS-W)	(3); 126.18, 118.7
(A)[Dow] (Bangor, Me) (A)	2 W; RR S	160	70h (L6) S4	100 oct.
Eastport (Me)	1.5 WNW	70	29h S1	80 oct. P-line SW.
Errol (N.H.)	1.2 WNW	1245	18 S4	P-line NW. 80 oct.
Fairmont (E.Montpelier, Vt)	0.8 SSE;RR W	745	19 S4	80 oct.
Farmington Arpk (Me)	4.5 N;rd W	430	17 S6	80 oct.
Fernald (Winterport, Me)	3 WNW;hwy S	182	40h L3 S6	80 oct.Lgts prior req.
Fernald's (Benton, Me)	0.6 WNW;hwy S	120	18 S6	80 oct. WNW blkd.
Ford (Skowhegan, Me)	1 NNW	230	15	Emerg. use only.
Fort Kent (Me)	0.8 N;riv W	600	10	Lgt planes only
Franconia Arpk (N.H.)	2 SE		20	Data unver.
Fryeburg Arpk (Me)	1.3 E;RR S	400	26 S4	80,91 oct.P-line SSW;trees NW.
Greenlaw (Auburn, Me)	1.8 W;hwy S	238	16 S6	80 oct. Bldg S.
(P)Greenville (Me)	2 ENE	1750	30h L3 S6	80 oct.Lgts prior req.
Green's (Island Falls, Me)	2.3 SSW	710	13 S1	80 oct. P-line,trees S,N.
HOULTON Range (Me)	272(HJ)(116.1)	195°,3.1	BMRLZ-DTV	(4); 116.1.Manned (7-23)
(P) [Houlton] (Me)	2.5 E;hwy N	493	57h L5 S6	80 oct. ESE blkd.
Jackman (Me)	0.2 E;riv N	1170	22 S1	80 oct. E blkd.
Keeseville (N.Y.)	1.4 S;riv WNW	490	20	Pole W.
Lake Placid (N.Y.)	2 SE;RR NW	1750	21 S1	80 oct.
Lemington-Colbrook (Vt)	3.8 SSW;hwy E	1030	18 S4	80 oct.
Lewis (Littleton, N.H.)	2.5 E;RR S	900	22	80 oct.
Livermore Falls (Me)	1.3 SE;riv W	300	10	Lgt planes only.
Maheux (Minot, Me)	3.5 NNW	720	21 S6	80 oct.
(P)Malone-Dufort (N.Y.)	2 W; RR N	790	40h S1	80 oct.ARPT OF ENTRY.
Marcy (Keene, N.Y.) (NC)	2.5 S;hwy E	1000	18	Mtn N, S.
Mars Hill (Me)	1.2 NNW	435	17 S4	80 oct.
MASSENA Range (N.Y.)	108.7 (ME)		VARW	
(P)[Massena] (N.Y.)	2.2 E;riv SE	200	40h L4 S6	80 oct.Trees WSW,NNE. ARPT OF ENTRY.
MILLINOCKET Range (Me)	344(MT)(116.1)	292°,1.6	SBRAZ-DTV	(4); 116.1
(P) Millinocket (Me)	0.5 SE	404	51h L5 S4	80,91 oct. Lgts prior req.
MONTPELIER Range (Vt)	257 (UV)	230°,2.8	MRLWZ	(Barre-Montpelier)
Moscone's(Mallawamkeag, Me)	4 NNW;riv W	210	15	
Nelson's (Bridgewater, Me)	0.7 NW	450	8 S4	80 oct. Lgt planes only
Newport (Me)	1.5 ESE;hwy N	280	21	NW blkd.
Newport (Vt)	3 SSW;RR E	930	40h L2 S6	80 oct. All lgts on req.
Norridgewock (Me)	3.7 W;riv 1 W	270	40h	
Northland (Presque Isle, Me)	5.5 N;hwy E	685	15 S1	80 oct.
Norway (Me)	1 N; RR S	387	14 S5	80 oct.P-line SE.Trees E.
(P)Ogdensburg (N.Y.)	1.5 SE;RR W	285	30 S6	80,91 oct.Obsts sur fld. AIRPORT OF ENTRY
Old Town (Me)	1.8 NNW;riv NE	109	40h L3 S6	80,91 oct.No bndry lgts.
(P)Pittsfield (Me)	0.8 SSE	190	40h S6	80 oct.
Pittston (Me)	1.8 ENE;hwy S	140	11 S2	80 oct.Trees ESE;hill WNW
(P)[Plattsburg, mun.] (N.Y.)	3.4 WSW;riv SW	375	50h L5 S1	80,91 oct.Fld lgts on req.
Point Hill (St. Albans, Vt)	3.5 W;bay E	155	14 S4	80 oct. Wires ESE.
→ Prairie Arpk (Brownville Jct,Me)	4.5 N;road SW	422	19 S4	80,91 oct. Wires SE.
PRESQUE ISLE Range (Me)	388 (ZQ)	189°, 3.4	SBRAZ-DT	(4)
PRESQUE ISLE AAF Tower (Me)	278 (126.18)		AC (ILS-W)	(4);118.7,122.5,116.1,126.18
PRESQUE ISLE AAF Range (Me)	365 (RU)	9°,3.6	SBMLZ	(4)
(A) [Presque Isle AAF] (Me) (A)	1.5 WNW;RR E	529	68h L6 S4	91,100 oct.ARPT OF ENTRY
Princeton (Me)	1.5 SSE;hwy NE	250	40h S4	
Rangeley (Me)	1.6 NNW;hwy S	1810	15	
Raymond's (Phillips, Me)	0.8 S;riv E	556	18 S4	80 oct.Trees ESE;hill WNW
Reagan (Norwood, N.Y.)	1.8 WSW;riv E	330	18 S1	80 oct.
Robbins (Hudson, Me)	2.7 SW	365	18 S1	80 oct.
Rockland (Me)	3 SSE;road NE	49	45h L5 S6	80,91 oct.Trees ENE,WSW
Rollins Fly. Svc. (Turner, Me)	2.5 NNW;rd E	335	20 L S2	80 oct.Flare pots on req.P-
Rumford (Me)	2 SSE;riv NW	615	22 L S4	80 oct.Wires NW line NNE.
St. Croix (Baring, Me)	0.5 E;hwy N	95	19 S1	80,91 oct.NNW blkd.Flares
(P)[Saranac Lake] (N.Y.)	5.3 NW;RR NW	1655	40h L2 S4	80 oct.Lgts prior req on req
Snow (Bradford, Me)	0.3 WNW;pond S	270	12 S1	80 oct in Bradford.
Snowman's (Ashland, Me)	1.2 NW;riv E			ABANDONED
Stewart (Massena, N.Y.)	2.1 SE;RR NE	210	20	CLOSED.
Sunnybrook (Clayton, N.Y.)	3.4 S;hwy E	390	18 S1	80 oct. ESE blkd.
Swasey's (Enfield, Me)	1.5 WNW;RR S	240	17	P-lines NE, ESE.
Tomlinson (Skowhegan, Me)	1 NNE;riv 1.5 S	240	21 S6	80 oct. P-line W,NW.
Tupper Lake (N.Y.) (NC)	1 E;riv SE	1680	14	Use strips.P-line W.Rough.
Twin Mountain (N.H.)	0.8 SW;riv N	1430	18 S4	80 oct.
Twitchell's (Turner, Me)	4.8 SSE;riv E	350	14 S6	80 oct. Trees WNW.
(P)[Waterville] (Me)	1.8 SW;riv E	303	39h L5 S6	80,91 oct.Fld lgts prior req
Webb's (Patten, Me)	1 NNW;hwy E	650	14 S4	80 oct.
→ Weston (Madison, Me)(NC)	1 N;riv 0.8 W			ABANDONED.
Westport (N.Y.)	2 S;RR W	285	22 S2	80 oct.
White Mountain Air Term.	3 ESE; RR N	1050	22 S1	80 oct. (Whitefield,N.H.)
White Mountain (No.Conway,N.H.)	1.9 SSE;RR W	495	20 S6	80 oct. Trees NW.

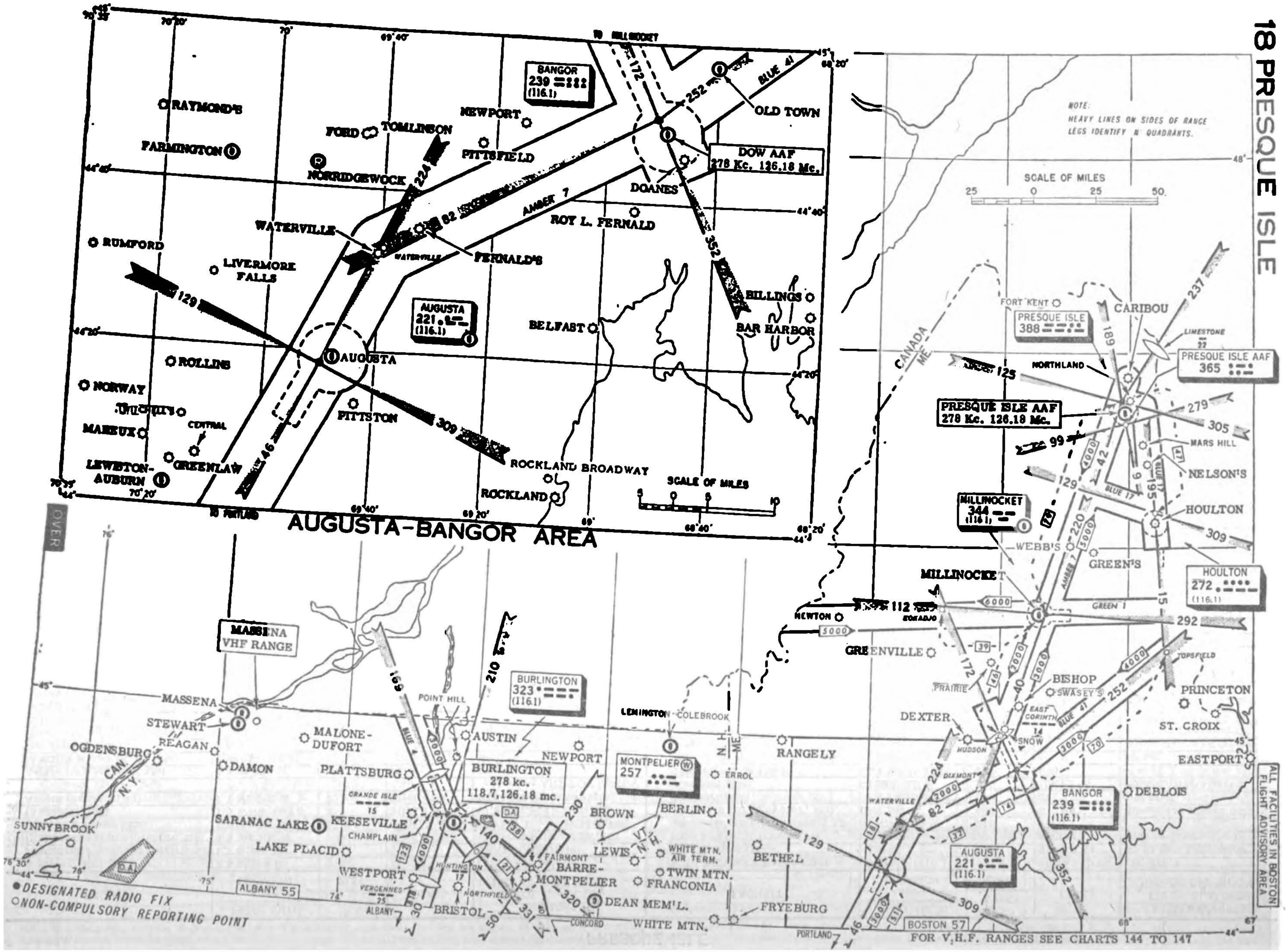
INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
DOW (L6) (A)	109.9		153°	IM-	MM- •—•— (0.81)	OM- ——(4.60)
				MMK-		OMK-
PRESQUE ISLE AAF	109.9		8°	DECOMMISSIONED	MM- •—•— (0.85)	OM- —— (4.47)
					MMK- 201	OMK- 219

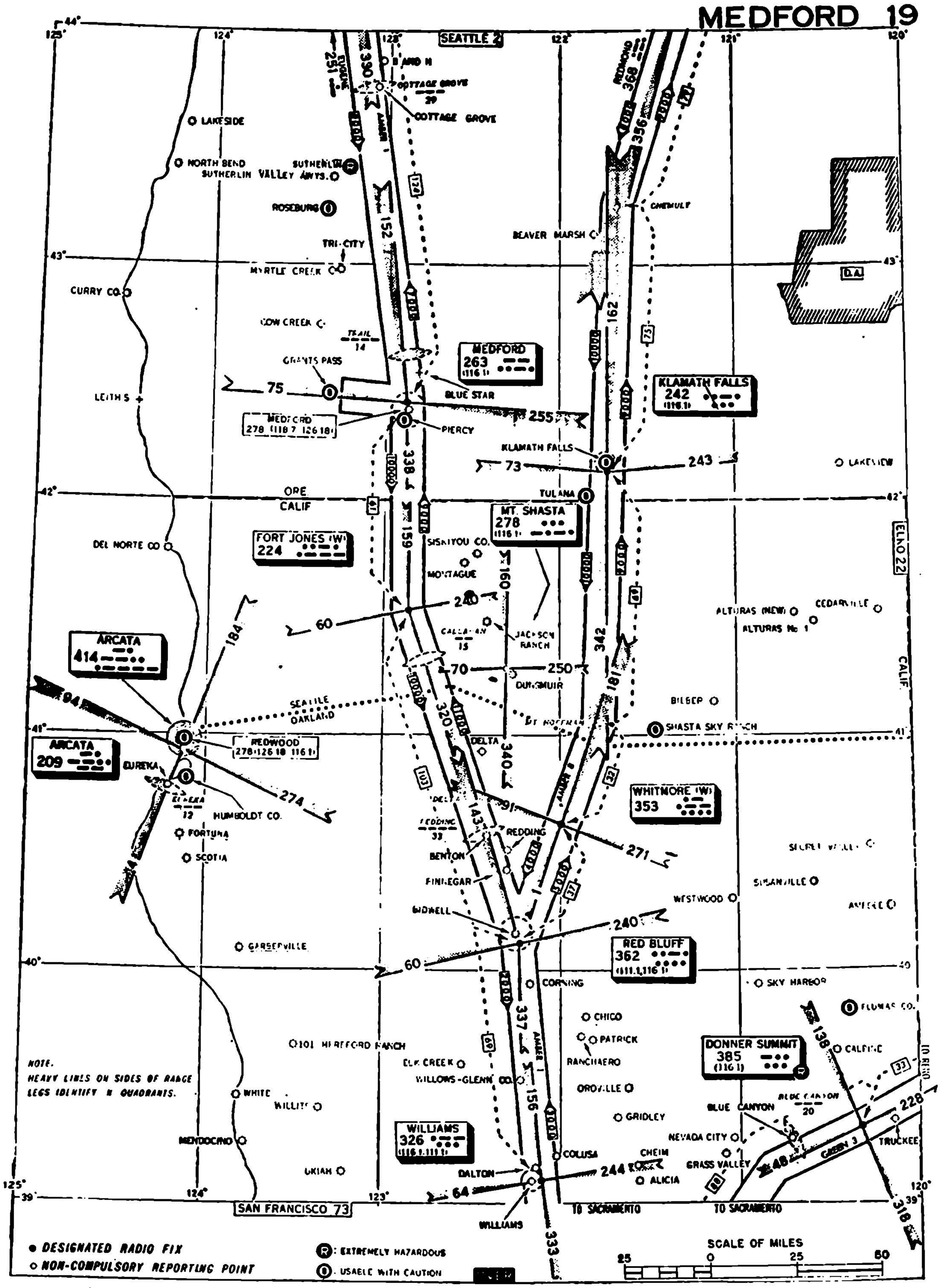
Rockland Broadway(Rockland,Me)	0.4 SW	60	19 S4	80 oct.	
Newton Fld(Jackman,Me)	0.2 E;riv N	1170	22 S4	80 oct. E blkd. Trees W.	

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3106, 4495, 6210 kcs. (4) - 3106, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.85 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →- New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


AUGUSTA-BANGOR AREA
OVER
RAYMOND'S
FARMINGTON
NORRIDGEWOCK
FORD
TOMLINSON
NEWPORT
PITTSFIELD
BANGOR
239
(116.1)
OLD TOWN
DOW AAF
278 Kc. 126.18 Mc.
DOANES
ROY L. FERNALD
WATERVILLE
FERNALD'S
RUMFORD
LIVERMORE FALLS
AUGUSTA
221
(116.1)
BELFAST
HILLINGS
BAR HARBOR
ROLLINS
NORWAY
MAREUX
CENTRAL
PITTSTON
GREENLAW
LEWISTON-AUBURN
ROCKLAND BROADWAY
ROCKLAND
SCALE OF MILES
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.
SCALE OF MILES
FORT KENT
CARIBOU
PRESQUE ISLE
388
PRESQUE ISLE AAF
365
LIMESTONE
NORTHLAND
CANADA
ME
PRESQUE ISLE AAF
278 Kc. 126.18 Mc.
MARS HILL
NELSON'S
HOULTON
MILLINOCKET
344
(116.1)
WEBB'S
GREEN'S
MILLINOCKET
HOULTON
272
(116.1)
NEWTON
GREENVILLE
PRAIRIE
BISHOP
SWASEY'S
TOPSFIELD
PRINCETON
DEXTER
HUDSON
SNOW
EAST CORINTH
ST. CROIX
EASTPORT
RANGELY
ERROL
DEBLOIS
BANGOR
239
(116.1)
AUGUSTA
221
(116.1)
BETHEL
MASSENA
VHF RANGE
MASSENA
STEWART
REAGAN
OGDENSBURG
CAN.
N.Y.
SUNNYBROOK
DAMON
MALONE-DUFORT
PLATTSBURG
POINT HILL
AUSTIN
BURLINGTON
323
(116.1)
BURLINGTON
278 kc.
118.7,126.18 mc.
NEWPORT
LEMINGTON-COLEBROOK
MONTPELIER (W)
257
BROWN
BERLIN
SARANAC LAKE
KEESEVILLE
CHAMPLAIN
LAKE PLACID
WESTPORT
VERGENNES
ALBANY
ALBANY 55
BRISTOL
HUNTINGTON
NORTHFIELD
FAIRMONT
BARRE-MONTPELIER
LEWIS
WHITE MTN. AIR TERM.
TWIN MTN.
FRANCONIA
DEAN MEM'L.
CONCORD
WHITE MTN.
FRYEBURG
PORTLAND
BOSTON 57
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
FOR V.H.F. RANGES SEE CHARTS 144 TO 147

MEDFORD 19


SEATTLE 2
LAKESIDE
NORTH BEND
SUTHERLIN
SUTHERLIN VALLEY ARPTS.
ROSEBURG
TRI-CITY
MYRTLE CREEK
CURRY CO.
COW CREEK
TRAIL
14
GRANTS PASS
75
LEITH 5
MEDFORD
278 (118.7 126.1)
BLUE STAR
PIERCY
B AND H
COTTAGE GROVE
39
COTTAGE GROVE
MEDFORD
263
(116.1)
255
KLAMATH FALLS
242
(116.1)
KLAMATH FALLS
73
243
LAKEVIEW
BEAVER MARSH
CHEMULT
ORE
CALIF
TULANA
MT. SHASTA
278
(116.1)
FORT JONES (W)
224
DEL NORTE CO
SISKIYOU CO.
MONTAGUE
159
160
162
338
240
60
184
ARCATA
414
94
ARCATA
209
EUREKA
REDWOOD
(278 126.8 116.1)
SEATTLE
OAKLAND
274
HUMBOLDT CO.
FORTUNA
SCOTIA
GARBERVILLE
CALLAHAN
15
JACKSON
RANCH
70
250
DUNSMUIR
MT. HOFFMAN
DELTA
320
340
143
REDDING
33
BENTON
FINLEGAR
WIDWELL
91
271
240
RED BLUFF
362
(111.1,116.1)
CORNING
337
156
AMBER 1
ALTURAS (NEW)
ALTURAS No. 1
CEDARVILLE
342
181
BIGGS
SHASTA SKY RANCH
WHITMORE (W)
353
SIERRAVILLE
WESTWOOD
ANTELOPE
CHICO
PATRICK
RANCHERO
OROVILLE
GRIDLEY
DONNER SUMMIT
385
(116.1)
CALPINE
BLUE CANYON
20
NEVADA CITY
GRASS VALLEY
CHEIM
ALICIA
COLUSA
244
64
DALTON
WILLIAMS
WILLIAMS
326
(116.9,111.8)
101 HEREFORD RANCH
ELK CREEK
WILLOWS-GLENN CO.
WHITE
WILLITS
MENDOCINO
UKIAH
SAN FRANCISCO 73
TO SACRAMENTO
TO SACRAMENTO
FLUMAS CO.
SKY HARBOR
138
228
318
333
TRUCKEE
GREEN 3
48
ELKO 22
CALIF
TO RENO
125°
124°
123°
120°
44°
43°
42°
41°
40°
39°
NOTE.
HEAVY LINES ON SIDES OF RADAR LEGS IDENTIFY 8 QUADRANTS.
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P)[Alicia](Marysville,Calif)	3.2 SSE;RR W,E	63	60h L5 S6	80, 91 oct.
(P)Alturas (new) (Calif)	6.8 WNW	5034	63h	
Alturas #1 (Calif)	1 W; RR S	4391	30 S6	80,91 oct.P-line N,NE,SW, NW.
(A)Amedee Flight Strip (Calif) (A)	4 SE; RR N	4007	70h	
ARCATA Range (Redwood)	209 (NZM)	4°, 3.0	MRL	(3) (Calif) Priv. rng.
ARCATA H Fac. (Redwood (For ILS see Redwood)	414(NZ1)	310°,0.15	H	(4); Z marker 200' from SE end Rnwy 31. Priv. H
Ash Creek,USFS (McCloud,Calif (NC)	11.2 ENE	3850	30	Closed Dec-May Trees SE, NW.
B & H (Creswell, Ore)	3.3 SSW;RR E	620	18 S6	80 oct. Trees NNE.
* Beaver Marsh Int,73,RV-ND (Ore)		4630	54 L3	6.2 mi SSW Chemult
Benton Arpk (Redding, Calif)	1.1 WSW;riv1 E	719	25 L3 S6	80,91 oct. Wires N.
Bieber (Calif)	1 NE;riv W	4155	33	Soft in winter.
(N)Bidwell (Red Bluff, Calif)	1.7 SSW;RR 1 E	354	40h L5 S4	80,91,100 oct.Fld lgts on req. Wires E, W.
* Blue Canyon Int,13,SF-SL (Calif)	1.1 NNE;hwy NW	5280	34 L3	Wires N,NE. RR E
Blue Star Arpk (Eagle Point,Ore)	4.5 N;hwy E		20 S2	Data unver.
Calpine (Calif)	1 SE;rd N,E	5000	29 S1	91 oct. P-lines NE.
Cedarville (Calif)	0.6 S;hwy E	4260	26 S2	91 oct. P-line E. W blkd.
Cheim (Marysville, Calif)	1.5 NE;hwy S	67	30 S6	80,91 oct.Wire SW.Levee N, NE
Chester, USFS (Calif) (NC)	1.5 SSW;hwy NW	4525	31	P-line WSW,WNW. Closed to public.
(P)[Chico](Calif.)	5 N;hwy E	237	67h L5 S6	No flood or boundary lgts.
Colusa (Calif)	1.2 SW;RR W	47	29 S4	80 oct. P-line NNW.
Corning (Calif)	1.3 NE;RR W	300	22 L1 S6	80 oct.
Cottage Grove (Ore)	1.9 S;riv S	640	22 S1	80 oct.
* Cow Creek Int,37B,SF-SA (Ore)	2.5 ENE Glendale	1429	24 L3	Creek S.
(P)Curry Co. (Denmark, Ore)	3.8 WSW	214	51h L5	All lgts prior req.
→ Dalton Com. (Williams, Calif)	1 ENE;RR SW	65	26 S6	80,91 oct.P-line SW.
(P)Del Norte Co.(Crescent City,Calif)	2.5 NW;ocean W	57	50h L1 S1	80, 91 oct
* Delta Int,22,SF-SA (Calif)	1 SW;RR,hwy N	1320	18 L3	800-1000' mtns E,W.
DONNER SUMMIT Range (Calif)	385(DS)(116.1)		BMRL-DTV	(4); 116.1
Dunsmuir,25B,SF-SA (Calif)	4.5 N;RR W	3240	30 L3 S2	80,91 oct.Poles E,N lgtd.
Elk Creek (Calif)	0.7 SSE;hwy W	725	16 S1	80 oct. Obst sur fld.
[Eureka](Calif.)	2 W;bay E	20	24h L1	
FORT JONES Range (Calif)	224 (FJ)		SRAWZ	
Fort Jones (Calif) (NC)	1.5 NW;rd NE	2745	30	P-line NW.
Fortuna (Calif)	2.9 SSE;hwy W	356	31 L S6	80,91 oct.Trees NE.RR W
Garberville Arpk (Calif)	1 SW;riv,rdSE	480	12 S1	80 oct. Trees N,S.
Gasquet (Crescent City,Calif)	13 ENE;hwy S	390	25	Hazardous-bad appch.USFS
Grants Pass (Ore)	1.6 N;RR W	1050	27 S6	80,91 oct.Poles N. (NC)
Grass Valley (Calif)	0.8 W;hwy N	2600	18 S1	80,91 oct.Trees sur fld. P-line NE.
Gravelly Valley, USFS (Upper Lake, Calif) (NC)	20 N;lake S	2000	49 S2	No fuel.Road crosses NE/SW strip.Trees NE,SE,NW
Gridley (Calif)	0.7 ENE;hwy E	97	26 S1	80,91 oct.P-line N,S.
Hayfork, USFS (Calif) (NC)	1.2 E;hwy N	2350	30	P-line W.Mtns E.Clsd to
Humboldt Co. (Eureka, Calif)	3.6 ENE;hwy N	10	18h S6	80,91 oct.Poles NW public.
Illinois Valley Landing Field (Cave Junction,Ore)(NC) USFS	4.3 SSW;riv1 E	1350	43	Trees NNE.
Jackson Ranch (Weed, Calif)	3.7 NW;lk NNE	2975	33	Trees S.
KLAMATH FALLS Range (Ore)	242(FS)(116.1)	342°,2.7	SBRAZ-DTV	(4); 116.1
→ [Klamath Falls] (Ore)	4.9 SSE;RR NE	4084	71h L5 S5	80,91,100 oct.Fld lgts on req
Lakeside (Ore)	0.3 NE;RR S	20	25	P-line S. Ctn-hazardous.
→ Lakeview (Ore)	3.5 SW ;RR 2 E	4728	53h L1 S6	80, 91 oct.
Leith's (Gold Beach, Ore)	Adj W	16	23 S1	80 oct. Data unver.
MEDFORD Range (Ore)	263(MF)(116.1)	158°, 2.4	SBRAZ-DTV	(3); 116.1
MEDFORD Arpt Tower (Ore)	278 (126.18, 118.7)+		AC	(4); 126 18,118.7,122.5
(A,N) [Medford] (Ore) (NATS)	3.2 N;RR E	1329	54h L5 S4	80,91,100 oct.
Mendocino (Little River, Calif)	2.5 SE	572	53h S4	80, 91 oct.
Montague (Calif)	1 W;hwy S	2520	32 L3 S6	80, 91 oct.
MOUNT SHASTA Range (Calif)	278(SC)(116.1)	116°,2.2	BMLZ-DTV	(4); 116.1
Myrtle Creek Int,39A,SF-SA (Ore)	4 SW;riv,RR W	640	25 L3	Hill S,N. Emerg. only.
Nevada City (Calif)	1.5 NW;rd S	3060	26 S4	80 oct.
(P)North Bend (Ore)	1.2 WNW;riv N	4	50h L5 S6	80,91 oct.Trees SSE,SW,
101 Hereford Ranch(Laytonville)	1 S;hwy E	1635	18 S1	80 oct. (Calif) NNW.
(P) Oroville (Calif)	3 SW;riv E	199	60h L5 S2	80,91 oct.Port rnwy lgts. prior req.
Patrick (Chico, Calif)	2 SSE;RR E	189	34 S6	80,91 oct.P-line NW.
Piercy (Medford, Ore)	2.6 NW;hwy E	1250	20 S6	80,91 oct. Poles SE.
Pinnegar (Anderson, Calif)	1 S; creek N	435	23 S1	80 oct.Cattle on fld.Hill SSE
Plumas Co.(Beckwourth, Calif)	0.8 ENE;RR SW	4900	36 S6	80,91 oct.P-line SE,S,SW.
Ranchaero (Chico, Calif)	2.2 WSW;riv W	170	22 S6	80,91 oct.P-line S.Hwy NE
RED BLUFF Range (Bidwell)	362(FH)(vhf)	323°,2.5	SBRAZ-DTV	(4); 116.1,122.1 (Calif)
[Redding] (Calif)	7.5 SE;riv S	500	60h S2	80, 91 oct.
REDWOOD Tower (Calif)	278(126.18,116.1)		CI (ILS-W)	(3); 116.1,126.18 (8-17)
Redwood (Arcata, Calif)	7.6 NNW	217	60h L	Exten.exper lgtg CLOSED.
* Roseburg Int,41A,SF-SA (Ore)	2.4 NNW;RR E	500	38 L3 S6	80,91 oct.Hills N,NE,S.
Round Valley (Covelo,Calif)(NC)	0.7 SW;hwy E	1385	30	
Scotia (Calif)	1.5 SSE;RR N	120	25 S1	80,91 oct.ESE blkd.Riv S.
* Secret Valley Int,52,RV-ND (Calif)	4 SE	4435	50	Day use only
(P)Shasta Sky Ranch (Fall River Mills, Calif)	1 N;hwy E	3300	33 S6	80,91 oct.Soft. P-line W, SSW,E,ENE,S.
(P) Siskiyou Co.(Montague,Calif)	4.3 NE;RR W	2647	73h L5	
Sky Harbor (Quincy, Calif)	2.5 E;hwy S	3400	24 S2	80, 91 oct. Poles S.
Susanville (Calif)	6.5 SE;hwy SW	4150	32 S6	80,91 oct.Pwr line N.
Sutherlin Sky Ranch (Ore)	3.8 ENE;rd E,S	575	18 S1	80 oct.
Tri-City (Riddle, Ore)	3.5 NE;RR N,W	700	19 S1	80 oct. P-line N,S.
* Truckee Int,16B,SF-SL (Calif)	3.6 ENE;RR S	5820	34 L1	Snow Dec.-April.
Tulana (Worden, Ore)	1 S;RR NW	4080	37 S6	80 oct. Pwr line NNE.
(P)[Ukiah] (Calif)	1 S;RR E	612	40h L5 S6	80,91 oct.Fld lgts on req. Wires NNW.
Weaverville, USFS (Calif) (NC)	1 SSE;hwy E	2040	22	30' poles S.Closed to public.
Westwood (Calif)	1.5 W;hwy N	5100	22	
White (Ft. Bragg, Calif)	1 NNE;ocean W	72	15 S4	80,91 oct.SE,NW blkd.
WHITMORE Range (Calif)	353 (AWH)		MRLWZ	
WILLIAMS Range (Int.)(Calif)	326(WS)(vhf)	244°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1
Williams Int,9,SF-SA (Calif)	4 S;road N	139	42 L3	Mtns W.N/S strip soft when wet.
Willits (Calif)	1.3 ENE;rd S	1356	18 S1	80 oct. Trees E. P-line W.
Willows-Glenn Co.(Calif)	1.3 WSW;RR E	130	45h L1 S6	80 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
REDWOOD (Arcata)	109.5	332.6	312°	IM- (0.14)	MM- ••••• (0.66)	OM- ——(4.5)
				MMK-		OMK- 404
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Sutherlin Valley Arwys (Sutherlin, Ore)	1.0 WSW;RR E	550	25 S2	80 oct.Trees,hill S.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) → New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

ELKO

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Air Term.)	350(BE)(vhf)	SBRAZ-DTV;110°,2.5	(3);116.1,122.1
BOISE AIR TERMINAL	278(126.18) (118.3)	AC	(4);126.18,118.3,122.5
EAGLE FM	(- - - -)	FM, 301°,11.5	Boise
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise

NEVADA

BATTLE MTN.	281(BP)(116.1)	BMRLZ-DTV, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-DTV, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SRAWZ; 219°, 2.9	
HUMBOLDT (Int.)	209(HD)(116.1)	BMRLZ-DTV 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-DTV 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno

NEW RADIO FACILITIES

HUBBARD (Reno)	278	CI	(4)(5-20 Wed,Sat,Sun; 8-16 other days.)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker:(3)-3105, 4495, 6210 kcs;(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW			ABANDONED
Boise Airpark	1.8 WNW;hwy W	2660	25 S6	80 oct.Right traffic when land. to NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
(P) Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE.
Emmett	2.6 SW, RR NW	2300	28 S6	80 oct.Trees WNW.
Floating Feather (Eagle)	2 E;riv 1.5 S	2635	39 S6	80 oct.Trees SW,hill NE.
(P) Glenns Ferry	1.3 WSW;RR N	2556	34 S1	Ltd 80 oct.
GOWEN (Boise)	See Boise Air Terminal under "New Arpts"-name chg.			
(A) Mountain Home AAF	10.7 WSW	3004	100h	TMP INACT NO FACS
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
Parma	0.6 SSE;RR NW	2225	26 S1	80 oct.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

NEVADA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Austin OLF	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3 S1	
★ Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	52 S6	80,91 oct.Mts N,hill W.
(P) ELKO-KEDDIE	1.8 W,RR S	5066	62h R1 L5 S4	80,91,100 oct.Hills SE.
★ Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
(N) Fallon	6 SE,hwy S	3931	70h L5 S4	80,91 oct.
HUBBARD (Reno)	3.4 SE;hwy W	4404	64h R2 L5 S4	80,91 oct.
★ Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	3980	24 S4	80 oct.Poles ENE,WSW
(P) " Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	37 S4	80,91 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
Orovada (NC)	1.2 W,hwy E			ABANDONED
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fld CLOSED
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	50 L S6	80,91 oct.Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct. P-line W,SE.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

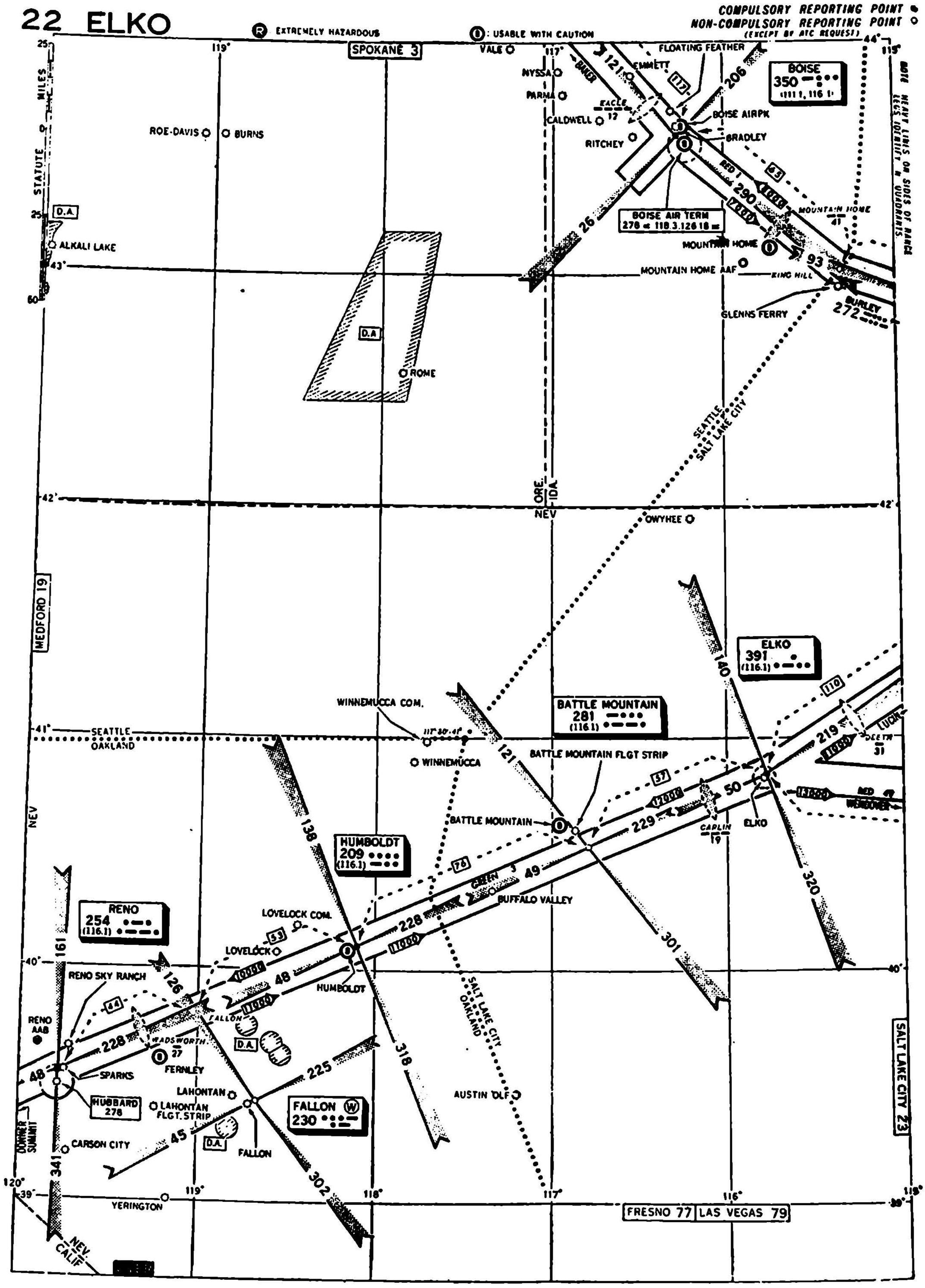
Alkali Lake Flgt Strip	7.5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
→ Rome Flgt Strip	23.9 SW;hwy E	4050	60h	Emerg only.
Vale	1.2 SSW;rvr E	2250	23 S2	80 oct. P-line NE.

NEW AIRPORTS

(NG) BOISE AIR TERMINAL, (Idaho)	4.5 SSW	2858	77h R2 L5 S6	80,91 oct. Ltd 73,100 oct;minor repairs for NG.

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page 411)(NC)-Not charted → NEW OR REVISED DATA

22 ELKO


COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)
R EXTREMELY HAZARDOUS
I : USABLE WITH CAUTION
SPOKANE 3
VALE
NYSSA
PARMA
BAKER
121
EMMETT
117
FLOATING FEATHER
206
BOISE
350
(111.1, 116.1)
BOISE AIRPK
EAGLE
CALDWELL
17
RITCHEY
BRADLEY
ROE-DAVIS
BURNS
25
MILES
STATUTE
D.A
ALKALI LAKE
43°
BOISE AIR TERM
278 ∝ 118.3 126.18 ≃
RED 1
290
63
MOUNTAIN HOME
41
26
MOUNTAIN HOME
MOUNTAIN HOME AAF
KING HILL
93
GLENNS FERRY
BURLEY
272
ROME
ORE.
IDA
NEV
SEATTLE
SALT LAKE CITY
OWYHEE
42°
MEDFORD 19
SEATTLE
OAKLAND
WINNEMUCCA COM.
WINNEMUCCA
BATTLE MOUNTAIN
281
(116.1)
BATTLE MOUNTAIN FLGT STRIP
ELKO
391
(116.1)
110
219
LUCIN
DEETH
31
57
12000
50
13500
MED
WENDOVER
229
CARLIN
19
ELKO
HUMBOLDT
209
(116.1)
138
76
GREEN
49
BUFFALO VALLEY
228
LOVELOCK COM.
53
LOVELOCK
RENO
254
(116.1)
161
40°
10000
48
RENO SKY RANCH
126
HUMBOLDT
140
301
320
44
RENO
AAB
FALLON
D.A
WADSWORTH
27
228
SPARKS
48
FERNLEY
LAHONTAN
225
318
AUSTIN DLF
HUBBARD
278
LAHONTAN
FLGT. STRIP
FALLON
230
DONNER
SUMMIT
CARSON CITY
45
341
302
SALT LAKE CITY 23
120°
39°
119°
YERINGTON
118°
117°
116°
115°
NEV.
CALIF
FRESNO 77
LAS VEGAS 79
MED HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY 4 QUADRANTS

SALT LAKE CITY 23

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓘ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

GREAT FALLS 6
GOODING 215 (116.1)
BURLEY 272 (116.1)
POCATELLO VHF RANGE
IDAHO FALLS 359 (116.1)
POCATELLO 257 (111.1, 116.1)
MALAD CITY 314 (116.1)
STREVELL 335 (116.1) On request
LUCIN 302 (116.1)
OGDEN 263 (116.1)
FORT BRIDGER 382 (111.1, 116.1)
WENDOVER 248
SALT LAKE CITY 227 (111.1, 116.1)
FAIRFIELD 362 (111.1, 116.1)
DELTA 212 (111.1, 116.1)
LAS VEGAS 79
WINSLOW 81
HILL AAF 396 kc 126.18 mc
SALT LAKE CITY NO. 1 278 kc 118.3 mc
WENDOVER AAF 201 kc 126.18 mc

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA

ST ANTHONY, REXBURG, SIGNAL MOUNTAIN, TETON PEAKS-DRIGGS, JACKSON, IDAHO FALLS, SHELLEY, ROBERTS, DUBOIS, FRIEDMAN, CAMAS CO., ALBERT, ADKINS, FLYING BAR'S, BILLY ANDREW, GOODING, JEROME, TWIN FALLS, BURLEY, POCATELLO, POCATELLO AAF, ABERDEEN, AMERICAN FALLS, UNIVERSITY, HAYFIELD, AFTON, MONTPELIER, BEAR LAKE CO., IDAHOME, STREVELL, MALAD CITY, PRESTON, COKEVILLE, IDAHO, NEV, SAN JACINTO, TREMONTON, LOGAN-CACHE CO, HILLCREST, KEMMERER, CORINNE, BRIGHAM, HUNTSVILLE, HINCKLEY, EVANSTON CITY, OGDEN ARPK., FORT BRIDGER, PROMONTORY POINT, LAYTON, BOUNTIFUL, EVANSTON, LOW, TIMPIE, GRANTSVILLE, SALT LAKE NO. 2, MIDVALE, ALTA, UTAH CENTRAL, KNOLLS, TOOELE, RIVERTON, FAIRFIELD, PROVO, SPANISH FORK, DUGWAY AAF, NEPHI, CARBON CO., MT PLEASANT, MANTI-EPHRAIM, SALINA-GUNNISON, YELLAND, DELTA, LUCIN, TO KING HILL, TO ELKO 22, TO ELKO, TO ROCK SPRINGS 26, TO MILFORD, NEV, UTAH, IDAHO, WYO, D.A.

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

SALT LAKE CITY

RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272(BX)(116.1)	SBRAPZ-DTV;200°,2.7	(4);116.1,122.1
GOODING (new)	215(GG)(116.1)	BHTV	(4);116.1,122.1
IDAHO FALLS (Mun.)	359(IF)(116.1)	SBMRAZ-DTV;192°,2.6	(4);116.1,122.1
MALAD CITY (Int.)	314(WT)(116.1)	SBRAZ-DTV;131°,3.4	(4);116.1
POCATELLO	257(PO)(vhf)	BMRLZ-DTV;56°,2.5	(4);116.1,122.1
STREVELL	335(TV)(116.1)	MHPV	(4);116.1
[redacted]			
CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212(VZ)(vhf)(l)	SBRAZ-DTV, 7°, 3.6	(4);116.1,122.1
FAIRFIELD (Int.)	362(JL)(vhf)	BMRLZ-DTV,2°,4.4	(4);116.1,122.1
HILL (Ogden)	396 (126.18)+	CA	(4),4220;126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 328°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-DTV;156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-DTV,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
ROBERT H.HINCKLEY(Ogden)	284	CI	(4) (1130-2130 Mon,Tues; 0830-2130 Wed-Sun)
SALT LAKE CITY	227(SL)(vhf)	SBRAZ-DTXV;163°,2.9	(3);116.1,122.1
Salt Lake City Arpt. #1	278 (118.3)	C (ILS-W)	(4); 122.5,118.3,126.18
TIMPIE FM	(- - -)	FM, 246°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 2.2	(3);126.18
[redacted]			
FORT BRIDGER (Int.)	382(HM)(vhf)	SBRAZ-VDT,228°,2.4	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SALT LAKE CITY	110.3 ·•• ·-··	335	343°	IM-	MM- ·-·· (0.71)	OM- -- (4.69)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW;canal E	4460	32 S6	80 oct.
Albert (Richfield)	5.2 NE,RR W	4400	23 S1	Ltd 80 oct. Hills N,S,W
American Falls	2 NE,RR NW	4404	39 S6	80 oct. S blkd.
Arco (NC)	1.5 ESE;RR SW	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE;rd S	5928	57h	
Buhl (NC)	5.7 W;hwy E	3690	41 S1	80 oct.
(P) Burley	1.3 ENE,RR SW	4149	41h R1 L5 S6	80,91 oct.Pole line WNW.
Camas Co. (Fairfield)	0.8 SW;RR,hwy N	5065	31 S1	80 oct.P-line E.
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	80 oct.
(P) Friedman (Hailey)	0.8 S,RR E	5300	52 S1	80 oct.
(P) GOODING	3.5 WSW,hwy N	3730	49h R1 L5 S6	80,91 oct.
Gooding (old)	4 SSW			ABANDONED
(P) IDAHO FALLS	2 NW;riv E	4730	52h R1 L5 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4420	21 L3	
Jerome	3.3 ENE	3980	31 S1	80 oct.
(P) MacKay (NC)	0.8 SE,RR NE	5900	30 S2	80,91 oct.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4503	50h L3	73 oct.
Montpelier	0.6 NNE,RR WSW	5965	30 S1	73 oct. Mtn NE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➔ NEW OR REVISED DATA

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
POCATELLO	5.8 NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 WNW	4445	84h	TMP INACT NO FACS
Preston	1.7 WNW,riv W	4800	28 L S6	80 oct. Flood lgt on req.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
St. Anthony	1.1 SSE,RR W	4965	40 S6	80 oct. SW blkd,NE bldg.
* Strevell Int, 10, SL-PO	0.3 NNW	5270	31 R1 L2	Emerg only.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	40 S6	(NC)91 oct. Trees N
(P) Twin Falls	6.5 S;Canal S	4200	40 S6	80,91 oct. Strips only-wet weather.
University (Ham's)(Pocatello)	1 ENE,hwy W	4550	35	Hills N,S. Emerg only.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	31	P-line SE,trees NW. Emerg only.
NEVADA				
* Ventosa Int,48,SF-SL	0.5 N,RR S			ABANDONED
* Wells Int,46B, SF-SL	1.5 S,rd W			ABANDONED.
Yelland (Ely)	3.5 NNE;RR W	6258	60h S6	80,91 oct.
[redacted]				
Alta Arpk (Sandy)	2.3 E,RR W	4800	30 S6	80,91 oct.Hwy W.
Bountiful Sky Haven	2.6 WSW	4222	38 S4	80 oct. P-line S,NW.
Brigham	3 NW,RR S	4220	37 L4 S6	80 oct. P-line S,W.Tires W.
[Carbon County](Price)	2.8 E,RR W	5800	58 S6	80 oct. Use strips only.
Delta	4.8 ENE,	4755	61h R1 L5 S3	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE;hwy W	5700	55 S2	80 oct.P-line NW,E.Use strips only.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
Hillcrest (Logan)	2.7 NE,RR W	4780	27 L S6	80,91 oct.Port flood lgts.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	30 L3	
LOGAN-CACHE CO.(Logan)	4 NNW,RR E	4460	53h L5 S6	80 oct.
Low Flight Strip	11.8 W,hwy S	4241	71h.	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4414	41 L3	
Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	5 S4	80 oct.
Midvale	3 WSW;RR NW	4500	20 S4	80 oct P-line SE.Ctn when wet.
Mt. Pleasant	1.5 SSW,RR NW	5857	48 S6	80 oct. Trees NE.Use strip only
Myton (NC)	1 E,riv N	5090	31	Stay on strips.
Nephi	2.5 NW	4800	48 S2	80 oct.Soft when wet
Ogden Airpark	4 S,hwy NE	4700	32 S6	80 oct.P-line NE.Fence S.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	on fld.
(P) PROVO	2.8 WSW;lake W	4490	70h L5 S6	80,91 oct. Fld lgts prior req.Cattle
(NC) SALT LAKE No. 1	5 WNW;hwy S	4222	55h R3 L6 S6	80-100 oct.Rdo rec rqrd.Ltd 100 oct.
Salt Lake No. 2	10.5 SSW,RR W	4617	56h S6	80,91 oct. 2-ech maint NG.
Spanish Fork	2 NW,RR SE	4560	42 S6	80,91 oct.
Tooele (NC)	1.4 WSW,RR W	4985	32 S4	80,91 oct.P-lines N,NW.
Utah Central(Salt Lake City)	4 SW;hwy N	4240	37 S4	80 oct. Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4240	81h R2 L5 S6	73,91,100 oct. IP-1.
WYOMING				
Afton	0.3 SW,hwy E	6239	29	N blkd.
Big Piney (NC)	2 N;hwy E	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
Evanston City	3.6 SSW	6800	30 S4	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
(P) Jackson	9 N,riv W	6400	52	
* Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L2	
Signal Mountain (Moran)	2.3 S	6800	45	
NEW AIRPORTS				
Hayfield (Tyhee,Idaho)	2 SE;RR W	4600	31 S6	No sto.
Evanston, new (Wyo.)	0.5 NE;hwys S,W	6730	30 S3	80 oct.Pwrline W.
San Jacinto (Nev.)	0.2 NE;RR W	5200	47 S1	91 oct.Batt.lgts on req.
Tremonton, (Utah)	0.5 W;hwy S	4322	28 S1	80 oct. S blkd.
Andrew (Shoshone,Idaho)	2.5 E;hwy N	4000	25	Soft in spring.
Adkins (Richfield,Idaho)	4.5 SW;riv S	4150	17 S2	81 oct.Soft in spring.
Salina-Gunnison (Salina,Utah)	5.5 NNE;riv S	5100	35 S1	80 oct
Teton Peaks,Driggs (Driggs,Idaho)	0.4 NE;RR W	6100	34 S1	80 oct.SW blkd.
Shelley (Idaho)	2.6 N;riv SE	4692	17 S1	80 oct.N,SE,SW blkd.

ROCK SPRINGS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	BVAR-DTV	3105,3117.5;116.1,122.1
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	BVAR-DTV (ILS)	3105,4495,3117.5; 116.1,122.1
[redacted]			
CASPER(Wardwell)	269(CW)(116.1,111.1)	SBRAZ-DTV;264°,2	(4);116.1,122.1
CASPER AAF	396(126.18) +	CA	(3); 126.18
DOUGLAS	251 (DQ) (116.1)	BHTV	(4);116.1,122.1
LARAMIE (Brees Fld)	245(LR) (116.1, 111.1)	SBMRAZ-DTV 137°, 2.2	(4);116.1,122.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (mun)	290(RT)(116.1)	SBRAZ-DTV, 246°,2.8	(4);116.1,122.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-DTV, 80°, 1.7	(4);116.1,122.1
PARKERTON,WYO.FM	(-)	FM: 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WALKER	110.3	335	110°	UM-	MM- •-•-(0.69)	OM- -- (4.52)
					MMK-	OMK-

S-Signal, Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 127.88, 149.58 mcs.

AIRPORTS

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L1 S6	73,80,91 oct.
Glenwood Sprgs.	2 S	5900	31 S4	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
(P) Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
(P) WALKER (Grand Junction)	4 NNE;rd W	4842	54h L3 S6	80,91,100 oct.
[redacted]				
Roosevelt	1.3 NE;hwy S	5000	51 S2	80,91 oct. P-line NE.
Vernal (new)	1 SSE;hwy N,E	5280	32 S6	80,91 oct. Use strips only.
Vernal (old)	7 ESE;riv 4 E	5200	34	Soft when wet.

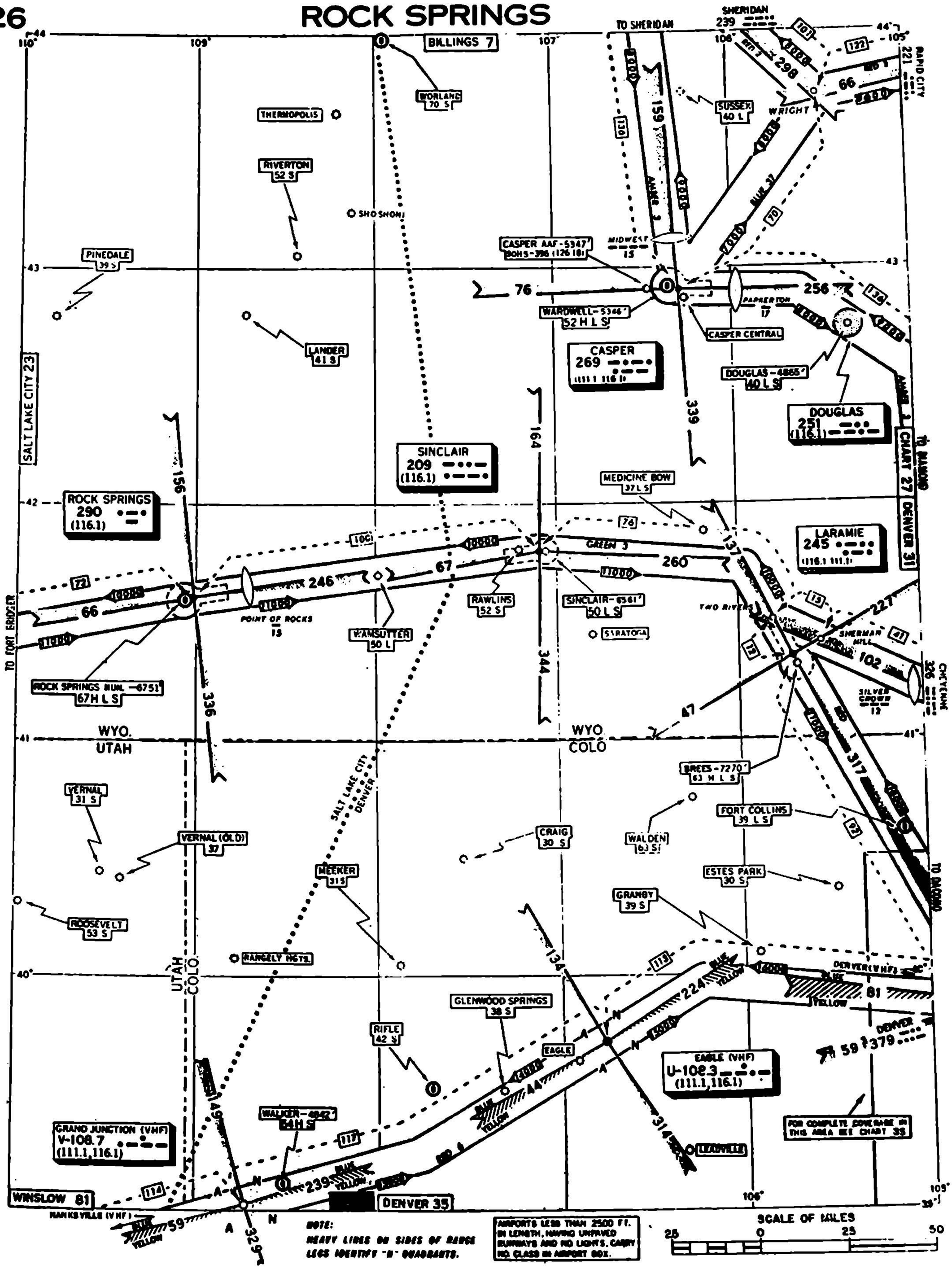
h-hard surfaced runways. R-Radio facilities. L-lighting facilities. S-servicing. (See page XXIX), NC-(not charted). → NEW OR REVISED DATA

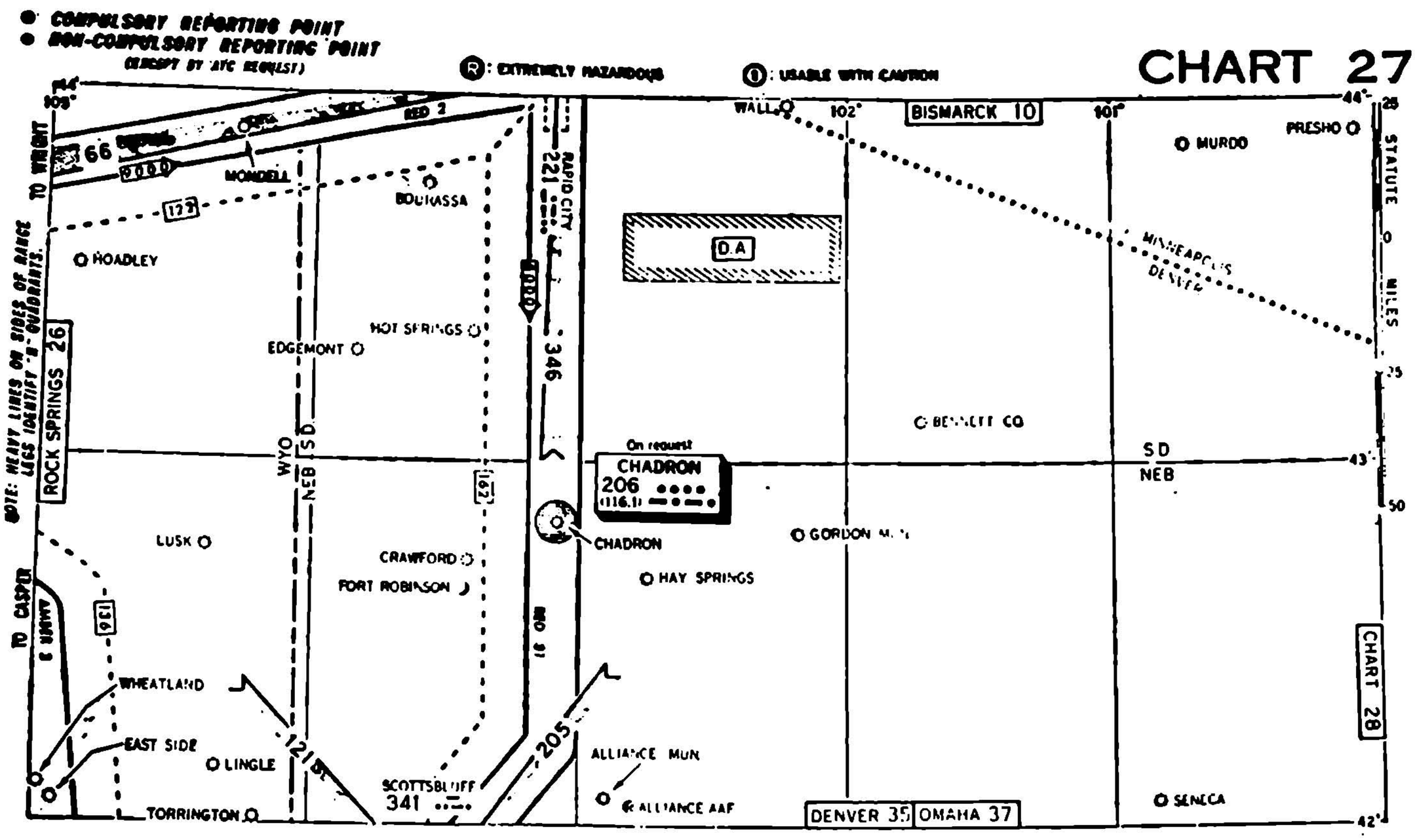
AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	60h R1 L S2	100 oct.
Douglas,11B,CX-GT	1.5 SE;RR W	4855	40 R1 L3 S2	73 oct. P-line NE.
General Brees (Laramie)	See Brees Field under "New Airports" - name changed			
Lander	1.5 S;riv W	5550	41 S3	80 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy N	7200	39 S1	80 oct.
Rawlins	2.3 NE;RR I S	6780	52 S4	80,91 oct.
(P) Riverton	3.8 NW;hwy SW	5453	62 S4	Ltd 73 oct.
(P) ROCK SPRINGS MUN	8.8 E;RR N	6751	67h R1 L5 S2	80,91,100 oct.
Rock Springs (old)	3.8 NNW			(NC) ABANDONED
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3	
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	36 S1	80,91 oct. Hill SW.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR S	6812	50 L3	35 pole line SW
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,80,91 oct
(P) Worland	2.5 S;canal NW	4185	68 S1	80 oct.

NEW AIRPORTS

Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S2	80 oct. Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW;riv E	6900	47 S1	80 oct. P-line ESE.
Eagle (Colo.)	4.5 WSW;RR N	6496	34	
Rangely Heights, (Rangely,Colo)	0.6 SE;riv N	5500	33 S1	80 oct. Hill adj SSW.
Brees (Laramie, Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Shoshoni (Wyo)	1 W;riv 2.5 W	4820	40 S4	80 oct. Sblkd P-line SE
Laramie (Wyo.)	4 S;hwy W	7218	38 S1	Fuel,100' Stack NW.

ROCK SPRINGS



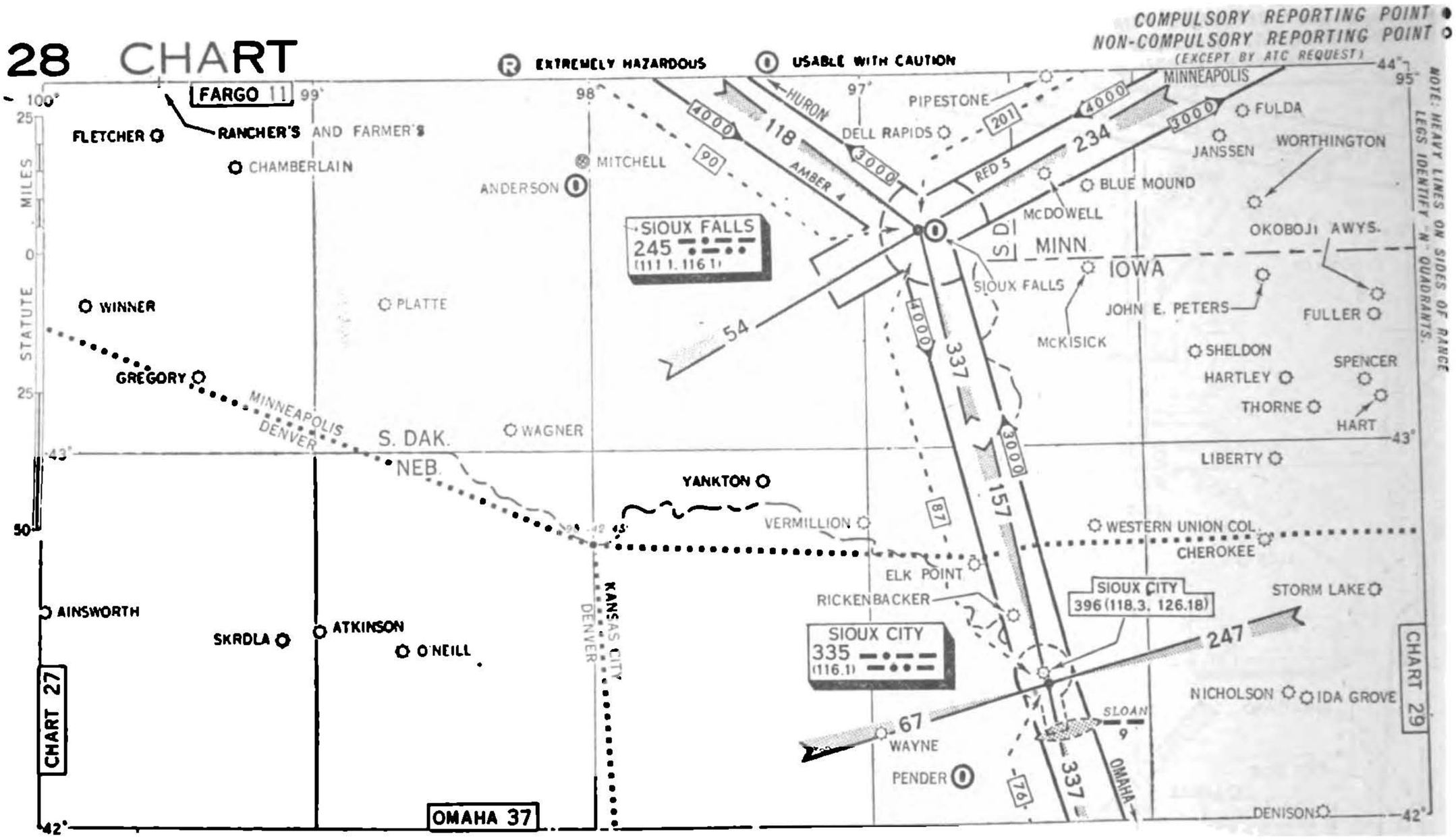


FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(A) Alliance AAF (Nebr) (A)	4.6 SE;RR N	3930	92h	CLOSED.
Alliance Mun. (Nebr)	2.8 SW;RR E	3965	53 S6	80 oct. Hwy E.
(P) Bennett Co. (Martin, S.D.)	4.4 SSE;riv N	3325	30 S1	73 oct. P-line sur fld.
Bourassa (Custer, S.D.)	1 ESE;hwy N	5301	30 S2	73 oct. Poles W, NW.
→CHADRON H Fac. (Nebr)	206(HC)(116.1)		MHTV	(4);116.1,122.1
(P) Chadron, 15, CX-HR (Nebr)	4.8 W;hwy S	3312	45 L3 S4	73 oct.
Crawford (Nebr)	3.8 NNW;hwy E			ABANDONED
East Side (Wheatland, Wyo)	0.7 E;RR W	4750	23 S4	80 oct.
Edgemont (S.D.)	1.1 SW	3575	30 S2	73 oct.
(A) Fort Robinson (Nebr) (A)	2 S;RR N	3920	18	
Gordon (Nebr)	1.3 E;RR N	3549	34 S4	73,80 oct. Poles N,S,W.
Hay Springs (Nebr)	2.5 W;hwy E	3840	17 S2	80 oct. P-line N.
Hoadley (Dull Center, Wyo)	9.4 NE	4176	24 S1	73,80 oct.
(P) Hot Springs (S.D.)	5.5 SSE;riv N	3075	52 S2	73 oct.
Lingle (Wyo)	1.2 N;RR S	4200	30	P-line SE.
Lusk (Wyo)	2.9 E;RR S	5000	42 S1	80 oct. P-lines SE,S,NW,N.
Modisett (Rushville, Nebr)	2.4 NE;RR S	3475	30	Bldgs, p-line E.
Mondell (New Castle, Wyo)	6.2 WNW;RR N	4260	36 S2	80 oct. P-line N,E.
Presho Mun. (S.D.)	0.8 NW;RR S	1800	22 S1	80 oct. Poles N,NW,S strips.
→Seneca (Nebr)	2.2 NNW;riv 2 S	3200	26 S2	Ltd 80 oct. NW blkd. Use NW
(P) Torrington (Wyo)	3.4 S;hwy W	4350	40 S2	73,91 oct. P-line S,SE,SW,W
Valentine (Nebr)	1.5 SSE;hwy E	2579	18	Not maintained. Rough. Poles
(P) Wheatland,6,CX-GT (Wyo)	3.4 NNW;riv N	4648	46 L3 S6	73,80,91 oct. Rough. NE.
NEW FACILITIES				
Murdo (S.D.)	1 WSW;hwy E,S	2300	25 S1	80 oct. NE,E blkd. Use ctn.
Wall (S.D.)	0.5 NW;RR E	2800	33 S2	73 oct. NE,E,SE,S blkd.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. h-hard surfaced runways.

R-radio facilities. L-lighting facilities. S-servicing (see page XIII)→ NEW OR REVISED DATA (NC)-Not charted.

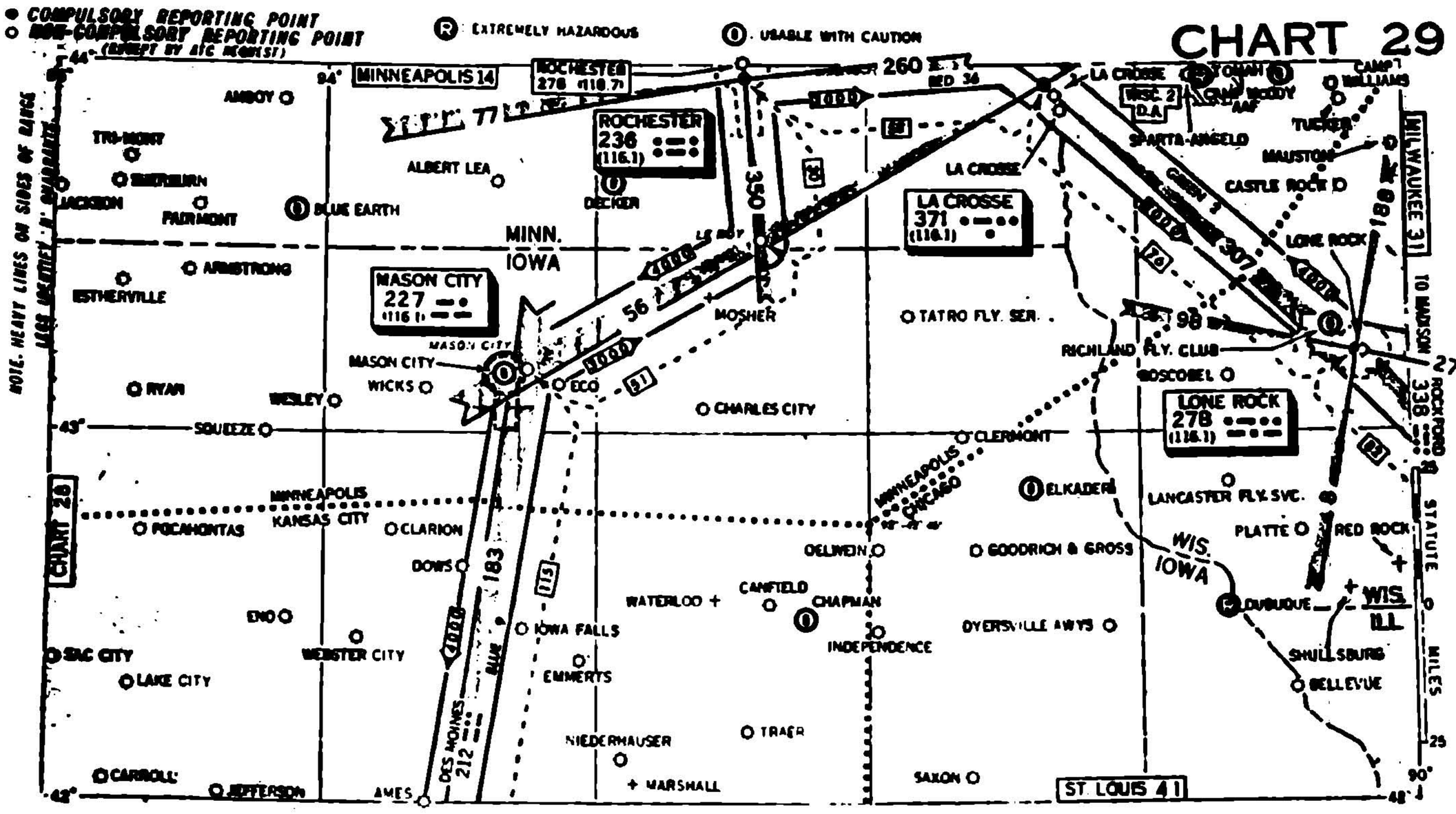
[Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ainsworth, mun.(Nebr)	7 WNW;RR S			ABANDONED
Anderson(Mitchell,S.D.)	2.7 W;RR N	1293	29 S6	80 oct. Poles sur fld.
Atkinson (Nebr)	1.4 SW;riv NE	2109	22	Trees S.P-line E,SE. N, NW.
Chamberlain (S.D.)	3.4 SE;hwy N	1689	26 S2	73,80 oct. Poles N,NW.
Cherokee (Iowa)	1 S;RR W,S	1218	19 S1	80 oct.
→ Dell Rapids Mun.(S.D.)	1.6 NE;riv SE	1450	20 S4	80 oct.
Denison (Iowa)	2.4 WSW;riv SE	1200	20 S2	80 oct. Trees SSW.
→ Elk Point (S.D.)	2.4 E;riv NE	1120	26 S6	80 oct. Poles N,NW. Use strips.
Fletcher (Reliance,S.D.)	2 SE;RR NE	1600	20 S1	80 oct.
Fuller (Milford,Iowa)	0.7 NNW; hwy E	1440	36 S6	80 oct. Trees, poles E, W,S. Lake N.
Gregory (S.D.)	2.2 S;RR NE	2000	22 S2	73 oct. P-line E,SE.
Hart (Spencer, Iowa)	1.6 S;hwy N	1100	26 S4	80 oct. P-line NE,N.
John E. Peters (Och-eyedan, Iowa)	1.5 N;hwy S	1425	24 S2	80 oct. 25' p-line S
Liberty (Sutherland,Ia)	2.1 WSW	1465	23 S6	80 oct. 35' p-line E. RRW
McDowell (Luverne) Minn.)	8 NW;hwy W	1640	25 S2	80 oct
McKisick (Rock Rapids, Iowa)	3 N;riv W	1361	31 S4	80 oct. Trees W
(A) Mitchell AAF (S.D.)(A)	4 N;hwy E	1292	67h	CLOSED.
Nicholson (Ida Grove,Ia)	1.9 WSW	1120	20 S1	80 oct. RR N.
Okoboji Airways (Spirit Lake, Iowa)	2.8 SW;hwy E	1450	20 S2	80 oct. Poles NE
→ Pender (Nebr)	1 NE;RR SW	1400	22 S4	80 oct. P-line SW,W,NW
Pipestone (Minn)	1 SE;RR E,W	1735	25 S6	80, 91 oct. No sto.
Platte (S.D.)	1.2 NNE;RR SW	1650	28 S1	80 oct. Poles SE,S
Rancher's & Farmer's (Reliance, S.D.)	9 N;rd N,S		30 S1	73 oct. Data unver
Rickenbacker (Stevens, S.D.)	1 N;riv E	1114	28 S6	80, 91 oct.
Sheldon (Iowa)	5 NNE;RR W	1444	33 S6	80 oct. P-line S,W,SW,SE
SIOUX CITY Range (Iowa)	335(YX) (116.1)	337°, 1.9	SBMRLZ-DTV	(3);116.1,122.1
SIOUX CITY Tower (Iowa)	396 (126.18, 118.3)		AC	(4);126.18,118.3,122.5
(A) [Sioux City] (Iowa)	6.5 S;RR 1 NE	1097	69h L5 S5	80,91 oct.;91,100 oct.
SIOUX FALLS Range (S.D.)	245(YL)(vhf)	93°, 2.2	SBRAZ-DTV	(4);116.1,122.1 mil.acft.
(NG) [Sioux Falls Mun.] (S.D.)	2.5 NNW;RR E	1420	57h L5 S6	80,91 oct;73,100 oct,
(P) Skrdla (Stuart,Nebr)	7.5 S	2090	30 S1	73 oct. 3-ech maint NC
(P) Spencer (Iowa)	2.9 WNW	1335	40 S6	80,91 oct. RR S

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Storm Lake (Iowa)	3.5 SSW;1k NE	1300	36 S2	80 oct.
Thorne (Moneta, Iowa)	2.5 S	1410	25 S2	80 oct. P-line, trees W.
Vermillion (S.D.)	3.8 WNW	1140	25 S4	80 oct. Poles N.RR NE.
Wagner (S.D.)	1.3 S;RR N	1464	30 S1	73 oct. Poles E,NW.
(P) Wayne (Nebr)	1.8 E;RR N	1475	33 S4	80 oct. P-line NW,
(P) Western Union (Le Mars, Iowa)	1.3 SW;RR SE	1190	30 S6	80 oct Low obst
Winner (S.D.)	1.3 NE;RR SW	2038	26 S6	80,91 oct.
Worthington (Minn)	1.6 N	1570	32 S6	80 oct. No sto. Rot bcn in town.
(P) Yankton (S.D.)	2.3 N;hwy W	1400	37 S6	80 oct. Twr E.
NEW FACILITIES				
O'Neill (Nebr.)	2 NW;hwy N	2100	35 S6	80 oct. N,SE,S,SW blkd.
Janssen (Fulda, Minn)	5.5 SW	1500	21 31	80 oct.
Fulda Mun (Minn)	0.5 NNW	1532	20 S4	80 oct. No sto, P-line S.
Hartley (Iowa)	7 SE;RR NE	1490	26	P-line SE.
Blue Mound Air Svc (LuVerne, Minn)	3 NNE;RR NW	1440	30 S2	80 oct.
Ida Grove Flying Svc (Ida Grove, Iowa)	2.5 SE;RR N	1100	20 S2	80 oct.
Ainsworth Mun (Nebr)	7.5 WNW;RR N	2580	73h L5 S6	80,91 oct. No sto.

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 118.1 and 111.1 mcs +Army A.C.S. transmits on and guards 118.1, 137.86, 140.58 mcs h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII) → NEW OR REVISED DATA (NC)-Not charted. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FACILITY	FREQ. IDENT. ARPT LOCATION	BEAR & DIST. ELEV.	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
(P) Albert Lea (Minn)	2.3 N;RR E	1255	32 S6	80 oct P-line N
Amboy (Minn)	1 NNE;RR W	1080	24 S2	80 oct.
Ames (Iowa)	2.5 SSW;RR NW	920	25 S6	80 oct Lgt acft only.
Armstrong (Iowa)	3.2 NW;hwy S	1250	22 S1	Ltd 80 oct Trees E.
Bellevue (Iowa)	3.1 N;riv E	652	18 S1	80 oct. Rough
Blue Earth (Minn)	3 S;RR E	1111	26 S1	80 oct Flares on req
(A) Camp McCoy (Wis)(A)	5 SSW	830	20	
(P) Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45a	
Canfield (Waterloo,Iowa)	3.5 NW;RR NE	900	32 S6	80 oct P-line N.
Carroll (Iowa)	4.2 ESE;RR N	1198	34 S2	80 oct
Chapman (Waterloo,Ia)	5 E;RR NW	870	33 S6	80 oct P-lines S
Clarion (Iowa)	1.1 NW	1162	27 S6	80 oct.
Clermont (Iowa)	0.8 S,riv W	800	21 S6	80 oct P-line SE,NE
Conrad (Iowa)	3 WNW;RR S			ABANDONED. Unlkd.
Decker (Austin, Minn)	1.7 E;hwy N	1224	29 S6	80 oct No sto N,S,W
Dows (Iowa)	1.5 SSE;RR NE	1144	26 S2	80 oct. N/A
(P) Dubuque (Iowa)	1.9 NE;riv E	602	27 S6	80 oct. Poles S,SE.
Dyersville Awys (Ia)	0.8 S;RR NE	940	16 S1	80 oct. Pwr lines NW,
Elkader (Iowa)	1.1 ESE;RR S	915	19 S2	80 oct. P-line NW NE Rnwy data unver
(P) Emmerts (Eldora,Iowa)	2.9 NE;lk SW	1000	32 S6	80 oct. Poles NW,SE
Eno (Ft. Dodge, Iowa)	2.5 E;hwy W	1126	27 S6	91 oct
(P) Estherville (Iowa)	3.5 E;hwy S	1268	35 L S6	80 oct. Port rnwy lgts Poles SE,SW
Fairmont (Minn)	3.1 S;hwy W	1190	25 L S1	80 oct P-line W Flares
Goodrich & Gross (Strawberry Pt,Iowa)	3.5 W;RR NE	1200	16 S1	Ltd 80 oct on req.
Grundy Center (Iowa)	1.3 ENE;RR S			ABANDONED
Henry's (Floyd, Iowa)	5 NNE;RR W	1110	14 S1	ABANDONED
Independence (Iowa)	4.1 W;RR E	990	23 S2	80 oct. Poles N
Iowa Falls (Iowa)	4.1 S;RR E	1140	24 S2	80 oct.
Jefferson (Iowa)	0.8 NNW;RR S	1052	23 S6	80 oct No sto P-line N
LA CROSSE Range (Wis)	371 (LE) (116.1)	127°, 1.8	SBRAZ-DTV	(4); 116.1 No flood lgts
(P) La Crosse (Wis)	6 NNW	653	53h L5 S4	80,91 oct Det rivs
* La Crosse Int,23A, CG-Twin Cities(Wis)	6 NNW; RR NE	667	37 L3	Pole E
Lake City (Iowa)	3.5 NNE;RR S	1200	26 S1	80 oct.
LONE ROCK Range (Wis)	278 (LK) (116.1)	98°, 0.0	BMLZ-DTV	(4); 116.1
* Lone Rock Int,15,CG-Twin Cities (Wis)	2 N rd W,N	714	39 L3 S2	80,91 oct. P-line NE

FACILITY	FREQ. IDENT. ARPT LOCATION	BEAR & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
MASON CITY II Fac. (h)	22; (NM)(116.1)		BHTV	(4);116.1,122.1(cont.)
(P) Mason City, (Iowa)	7 W;hwy S	1215	56h L5 S6	80,91,100 oct. Poles
Mosher (Riceville,Ia)	1 W;hwy S	1283		80 oct. P-line S. SSE. Data unver.
Niederhauser (Marshalltown, Iowa)	3.3 N;hwy E			ABANDONED
Pocahontas (Iowa)	0.8 E	1216	25	Pole line SW.
Red Rock (Darlington)	5 SE;RR E		12 S1	80 oct. Data unver. (Wis)
Richland Center (Wis)	6 SSE;hwy W		23 S1	80 oct. Trees E,S. Data
ROCHESTER Range (Minn)	236 (RR) (116.1)	350°, 2.6	BMRLZ-DTV	(3); 116.1 unver.
ROCHESTER Tower (Minn)	278 (118.7)		C	(4); 118.7,122.3
← (Rochester Mun) (Minn)	1.7 SSE;RR W	1041	42h L4 S6	80,91 oct. P-line E,NW
Ryan (Emmetsburg,Ia)	1.3 W,RR N	1225	18 S2	80 oct. Trees NW.
Sac City (Iowa)	3 SSE;riv W	1160	19 S2	80 oct.
Saxon (Cedar Rapids,Ia)	7 NE;hwy S	880	26 S6	73 oct. P-line N
Sherburn (Minn)	2 WNW;RR S,E	1300	21 S2	80 oct. Pwr line ESE.
Shullsburg (Wis)	1.1 S	1080	17 S6	80 oct. Trees SW.
Sparta-Angelo (Wis)	2.2 NE;RR E	900	25 S4	80 oct. Poles sur fld.
Squeeze (Algona,Iowa)	5 S;riv S	1201	26 S2	80 oct. P-line NW,W.
Tatro Fly Svc.(Decorah)	2.6 NW;riv W	916	26 S2	80 oct. (Iowa)
Tomah (Wis)	1 E;hwy S.	970	18 S4	80 oct. 180° hill E
Traer (Iowa)	1 ENE;RR SW	895	18 S2	80 oct. P-line E.
Tri-Mont (Triumph)	0.9 S;RR W,E	1250	24 S1	80 oct. (Minn)
(P) Waterloo (Iowa)	4 NW;RR S,E		54h L5 S1	80,91 oct. Data unver No flood lgts.
Webster City (Iowa)	3.3 SW;riv E	1100	26 S4	80 oct. No sto.
Wesley (Iowa)	1.5 E,RR N	1250	31 S1	80 oct. P-line N,S
Wicks (Garner, Iowa)	1.8 NW;RR S	1230	26 S2	80 oct. Poles NW,SW
Jackson (Minn)	2 N	1440	29 S2	80 oct. E-line S.
Charles City (Iowa)	3.3 E;RR S	1080	28 S2	80 oct. P-lines N,S,SW,NW.
Eco (Mason City,Iowa)	2.5 ESE;riv S	1215	26 S6	80 oct. P-line N,NW.
Grinnell (Iowa)	3 W	1050	26 S6	80 oct. P-line N,W.
Niederhauser (Marshalltown,Iowa)	4 N,hwy E	900	32 S6	80,91 oct. No sto. P-line N,W.
Marshall Fld (Marshalltown,Ia)	3 E	890	S6	80 oct. Data unver.
Lancaster Flying Service (Wisc.)	1.8 SSE;RR NW	1110	24 S6	80 oct. Fallen trees SE.
Mauston (Lemonweir, Wisc.)	2,SW;RR N	880	15 S1	Wisc.) 80 oct. N blkd.
Boscobel (Wisc.)	2 NE;RR S	670	27 S1	80 oct. Bluffs NNE,SE,NW.
Castle Rock (Wonewoc,	1.1 NNW;RR S	960	19 S1	80 oct. P-line NE,SW,(Wisc)
Tucker Fly. Service (New Lisbon,Wisc)	1.6 NNW;riv E	880	15 S1	80 oct. Trees E.
Platte (Platteville,Wisc)	3.1 E;RR E	1100	23 S2	80 oct. P-line NE,SW.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (H) - 3268, 4498, 6230 kcs. (H) - 3268, 4498, 6230, 23177.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. (vhf) - Voice on 116.1 and 121.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.35, 149.85 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4725 kcs. (First Figure is Scheduled time, Second Alternate time)

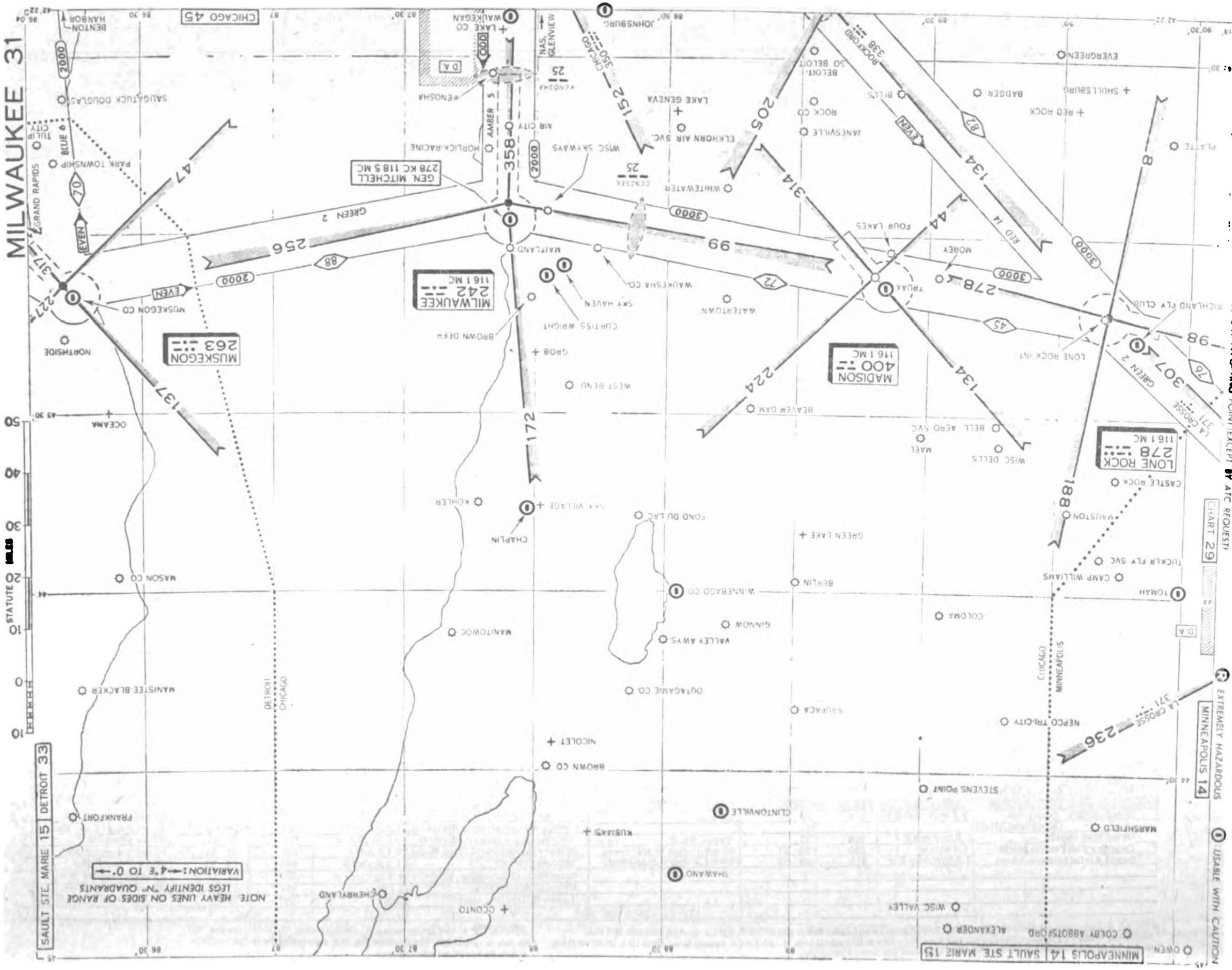
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Services (see page 1001) ←→ New or revised data. (Name) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are unlisted and non-capitalized.

MILWAUKEE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Air City (Sturtevant, Wis)	0.6 SE;hwy N	633	26 S6	80,91 oct.P-line NW. Const. on strips.
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct. Lgts prior req
Badger (Monroe, Wis)	1.8 SW;RR N	1080	20 S4	80 oct. Fense S,W.Hwy E
Beaver Dam Inc. (Wis)	1.7 W;lake N,E	910	20 S4	80 oct.
Bell-Aero Service (Baraboo, Wis)	4 NNW;hwy W	980	21 S1	80 oct. N/S strip rough.
Beloit-S. Beloit (South Beloit, Ill)	1 S;RR E	772	33 S6	80,91 oct. Hill NE.
Bill's (Broadhead, Wis)	1.8 S;hwy S	780	24 S2	80 oct. SE blocked.
Brown Co.(Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct.E,ESE,SE blocked.
Brown Deer (Milwaukee,Wis)	10 NNW;RR E	681	25 S6	80 oct. P-lines N.
Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Chaplin Arpk (Plymouth,Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay,Wis	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P) Clintonville (Wis)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blocked. Pwr line NE,SW, W.
Colby-Abbotsford(Colby,Wis)	1.2 NNW;RR E	1400	26 S2	80 oct.P-line NNE.
Curtis-Wright (Milwaukee,Wis)	9 NW;riv W	750	27 S6	80,91 oct.NE,E blkd.Hi-line N.
East Side (Green Bay, Wis)	1.8 SE;RR S			ABANDONED
Elkhorn Air Service (Wis)	1.5 N;hwy E	1000	21 S6	80 oct. Rough and rolling. P-line E, W.
[(Warren,Ill.)				
➙ Evergreen Flying Club	1.4 SSE;hwy W	1000	26 S1	80 oct.Private.
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct.P-line N,NE,NW SE blocked.
Four Lakes (Madison, Wis)	3 SSE;lake N	881	25 S6	80 oct. P-line W.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GENERAL MITCHELL Tower	278 (118.5)		C	(4); 118.5, 122.5
(P) [General Mitchell] (Milwaukee, Wis)	6 S;RR E	676	50h L4 S6	80,91,100 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Rough
Green Lake (Wis)	4 W;hwy S	990	22 S1	80 oct. Data unver.
Grob (Cedarburg, Wis)	2 N	875	24 S4	Data unver.
Horlock-Racine (Racine,Wis)	2 N;RRs E,W	665	25h L1 S6	80,91 oct.Trees N,SE.
Janesville City (Janesville, Wis)	1.8 NNE;RRs NW	880	26 S6	80,91 oct. 51' twr SE; p-line E.
Jefferson (Wis)	1.7 WSW;riv E			ABANDONED.
Johnsburg Arpk (Ill)	0.4 SSW;riv S	740	20 S4	80 oct. P-line NNW.
Kenosha (Wis)	2 S;RR W	623	29 L S6	80,91 oct. Flood lgts. P-line SW, NW.
(P) Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct. SE blocked.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Data unver.
Lake Co. (Waukegan, Ill)	4.4 NNW	718	40 S6	80,91 oct. Data unver.
LONE ROCK Range (Wis)	278(LK)(116.1)	98°,0.0	BMLZ-DTV	(4); 116.1
★ Lone Rock Int.15.CG-Twin Cities (Wis)	2 N;rd W,N	714	39 L3 S2	80,91 oct. No flood lgts. P-line NE.
MADISON Range (Truax)(Wis)	400(MA)(116.1)	314°,2.6	BMLZ-DTV	(4); 116.1
Mael (Portage, Wis)	1.6 NW;lake SE	820	26 S6	80 oct.Obsts sur fld.
Maitland (Milwaukee, Wis)	3 ESE;lake E	590	25 S6	73,80,91 oct.Stack S.
MILWAUKEE Range (General Mitchell)(Wis)	242(MK)(116.1)	352°,2.5	SBRAZ-DTV	(3); 116.1
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct. P-line W.SW. SSE.Bndry lgts inop.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 L S6	80 oct.Flare pots in emerg
Mason Co. (Ludington, Mich)	1.7 ENE;hwy S	640	30 S1	80 oct. Poles S.
Morey (Madison, Wis)	2 NNW;hwy E	928	33 S6	80 oct.S blkd.Trees NW.
MUSKEGON Range (Muskegon Co.) (Mich)	263(UK)	317°,2.8	BMRLZ-DT	(4)
(P) [Muskegon Co.] (Mich.)	3.5 S;lake N	627	40h L3 S6	80,91 oct.Bldg NE.Bndry lgts on req only.
Nenco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts prior req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct. P-line E,W. Data unver.
➙ Oconto Falls (Wis)	2.7 ENE;RR S			ABANDONED.
Outagamie Co. (Appleton,Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
Park Township (Holland, Mich)	3 WNW;bay S	612	27 L4 S6	73,80 oct. No bcn. Lgts prior req.
Red Rock (Darlington,Wis)	5 SE;RR E		12 S1	80 oct. Data unver.
Richland Fly. Club (Sextonville,Wisc)	0.2 NW;riv W	724	23 S2	80 oct.Pole W.Trees E,SSE.
(P) Rock Co. (Janesville, Wis)	4.5 SSW;RR W	807	54h L5 S2	80, 91 oct.
Saugatuck-Douglas (Douglas, Mich)	1.8 S;hwy W	670	26 S2	80 oct. W blkd.
Shawano (Wis)	2.3 ENE;lake NE	813	40 L S6	80,91 oct. Poles SW.Lgts prior req.Rnwy data unv.
Shullsburg (Wis)	0.5 S	1000	18 S1	80 oct. Trees SW.Data unver.
Skyhaven (Milwaukee,Wis)	10.5 WNW;hwy N	800	25 S6	80 oct. P-line N. Trees E,S; hill W.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
(A) [Truax] (Madison, Wis)	5 NE;hwy E	859	60h L5 S6	80, 91 oct. ARMY TEMP INACT. CIVIL FACS.
Valley Airways (Neenah,Wis)	4 SSW;RR E	750	21 S2	80 oct.P-line E.Data unver.
Watertown (Wis)	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
Waukegan (Ill)	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Waukesha Co. (Wis)	1.8 N;hwy NE	904	31 S6	80,91 oct. S, NW blkd.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
Waupun (Wis)	3.5 W;hwy SE			ABANDONED
West Bend Fly.Svc. (Wis)	2.5 E;riv S	880	21 L3 S6	80 oct. Fld lgts prior req Poles sur fld.N,NE,NW
Whitewater (Wis)	2 N;RR S	810	22 S5	80 oct. P-line blkd. ESE. E,ENE blkd.
(P) Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.No sto.P-line NE N,W.Rnwy data unver.
Wisconsin Dells-Lake Delton (Lake Delton, Wis)	0.8 SE;riv NW	910	24 S6	80,91 oct.P-line SE.
Wisconsin Skyways (Hales Corner, Wis)	0.7 SSE;hwy W	770	21 S2	80 oct. Trees SW.
Wisconsin Valley (Rothschild)	2 S;RR,hwy W	1180	30 S4	80 oct.P-line N,NW.
NEW FACILITIES				
Northside (Muskegon,Mich)	5.4 NNE	590	29 S4	73 oct.No sto.Refinery SW
Oceana (Rothbury, Mich)	1 2W;hwy E	700	30 S1	80 oct.
Oconto Mun. (Wisc)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver.
Tomah (Wisc)	1 E;hwy S	970	18 S4	80 oct.180' hill E.
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy W
Castle Rock(Wonewoc,Wisc.)	1.1 NNW;RR S	960	19 S2	80 oct,P-line N,S.Trees W.
Tucker Fly. Service (New Lisbon,Wisc.)	1.6 NNW;riv E	880	13 S1	80 oct,Trees E.
Platte (Platteville,Wisc.)	3.1 E;RR E	1100	22 S2	80 oct,P-line NE,SW.Trees S,SE.
Coloma (Wisc.)	3.0 NW;hwy F	1065	26 S2	80 oct,N,S blkd.
Berlin (Wisc.)	2.9 W;hwy S	780	20 S1	80 oct,SE blkd.P-line SW.
Owen (Wis)	0.7 NE;RR,hwy S	1270		80 oct.P-line N,NE,SW,W,NW.
Mauston (Lemonweir,Wisc)	2 W;RR N	880	15 S1	80 oct,N blkd.
➙ Lake Geneva (Wisc)	5.5 NW;hwy E		29 S4	80,91 oct.Data unver.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) ➙ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


MILWAUKEE 31
CHICAGO 45
MUSKEGON 263
MILWAUKEE 242
MADISON 400
LONE ROCK 278
GEN. MITCHELL 278 KC 118.5 MC
MINNEAPOLIS 14
SAULT STE. MARIE 15
DETROIT 33
STATUTE MILES
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 0°
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NON-COMMERCIAL PHOTOGRAPHY NOT PERMITTED
POINT EXCEPT BY ATC REQUEST
CHART 29

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abrams (Grand Ledge, Mich)	1.5 NE	844	26 S2	80 oct.S,W blkd.Trees E.
Allegan (Mich)	1.9 E; RR S	701	21 S4	80 oct.P-line SE.Trees NW.
Allen's (Pontiac, Mich)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW;SW blkd.
(P) Alma (Mich)	1.3 NE;riv SE	750	32 S4	80 oct. Tanks S.
Au Gres (Mich)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW. NW blkd
Austin Lake (Kalamazoo,Mich)	8.5 SSE;lake N	860	27 S4	80 oct.Poles N.Trees E,S,W
Aviation Co.Club(Galesburg)	1.8 WSW;lake S	800	19 S1	80 oct.Trees NE,NW (Mich)
Baker's (Port Huron, Mich)	3 NNW;riv N,E	585	26 S6	80 oct.Poles NW,N.S,SW
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct.Trees NE. blkd.
Bangor (Breedsville, Mich)	0.6 WNW;RR E	654	18 S4	80 oct.N blkd.Trees S.
← Barry (Saginaw, Mich)	3 WSW;riv S	599	19 S2	80 oct.
BATTLE CREEK Range(Kellogg)	272(JC)(116.1)	3°, 3.2	BMLZ-DTV	(4); 116.1 (Mich)
Beach (Charlotte, Mich)	1.8 ENE;RR NW	880	25 S6	80 oct.
Belding Fliers Inc. (Mich)	2.1 W;RR E	790	27 S6	80 oct.S blkd.Trees W,NE.
BISHOP Tower (Mich)	278 (118.3)		C	(4); 118.3, 122.5
(P) [Bishop] (Flint, Mich)	4 SSW;hwy N	781	50h L5 S6	80, 91 oct. Trees N,NE.
Brooks (Marshall, Mich)	1.3 S;hwy W	950	26 L3 S6	80 oct.P-line SW,W.
CADILLAC H Fac.(Int)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac,23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
(P) [Capital City] (Lansing,Mich)	3.8 NW;RR S	857	42h L4 S6	73,80 oct.
Caro (Mich)	3 WSW;RR SE	741	22 S2	80 oct.S,SE blkd.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct.P-line N.
Croswell City (Mich)	1 W;RR,riv E	732	26 S1	80 oct. S blkd.
Dalton (Flushing, Mich)	7.2 E;riv 0.8 SW	735	26 S4	80 oct.N,S appchs blkd.
DETROIT H Fac (Mich)	338(D)	329°,2.2	MHW	(Cont.) Detroit
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-caution.
Elsie (Mich)	0.3 SSE;RR NNE	730	19 S2	80 oct. Bldg W.
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S.
FLINT H Fac. (Mich)	335(FN)(vhf)		MHTV	(3);116.1,122.1
Forrest (Fostoria, Mich)	3.4 S;riv SE	830	24 S1	80 oct.P-line sur fld.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GLADWIN H Fac. (Mich)	257 (GU		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND RAPIDS Range (Kent Co)	329(GR)(116.1)	303°,2.0	BMRLZ-DTV	(4); 116.1 (Mich)
Grand River Arpk (Comstock Park, Mich)	0.4 SW;riv E	614	30 S2	Fuel & sto.P-lines S, N.
Greenville (Mich)	2.5 S;RR E	800	22 S2	80 oct.Poles W,NE,E
Harbor Beach (Mich)	2.5 W;rd S	670	20 L S2	80 oct.Floods prior req. Poles SE,NE.
Harrison (Mich)	2.3 NNW;hwy E	1100	26 S2	80 oct S blkd.Ctn-rough.
Hastings (Mich)	3.2 WNW;RR SW	802	34 S6	80 oct.P-line N,Trees sur fld.
Houghton Lake (Houghton Hgts)	1.2 WNW;lk NNE	1150	27 S2	73,80 oct.Rdo twr W,N lgtd.
Howell (Mich)	0.8 N;lake E	930	20 L1 S1	80 oct.
Ionia (Mich)	3 S;hwy W	810	24 S6	80 oct. Poles W.
Jack Barstow (Midland,Mich)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct.Bcn prior req (Mich)
JACKSON H Fac. (Mich)	257 (JN)		MHT	(4)
Jewett (Mason, Mich)	1.3 SE;RR W	920	22 S2	73 oct. Poles W.
Johnson's (Ithaca, Mich)	1 ENE;RR S	750	17 S2	80 oct. Ltd sto.
(P) [Kellogg] (Battle Creek,Mich)	3 WSW;RR bcd W	936	62h L5 S6	80-100 oct.Lgts on req.
(P) [Kent Co.] (Grand Rapids,Mich)	3.5 S;RR NE	681	44h L3 S6	80,91 oct.Obst sur fld Rdo
Lakeview (Mich)	1.1 NNE;lake S	900	19 S6	80 oct.Trees N,E,NW. Trees
LANSING Range (Capital City)	206(LI)(116.1)	280°,3.0	SBMRAZ-DTV	(4):116.1 (Mich)
(P) Lapeer (Mich)	2.4 ENE;RR S	830	34 S6	80 oct.Poles NW;bldg W,SW
La Porte (W.Branch,Mich)	6 SE;RR W	890	26	P-line NW.Trees NE,SW.
Leach (Hartford, Mich)	1 NNW;RR E	664	26 S5	80 oct.
(P) Lindbergh (Kalamazoo,Mich)	3 W;RR W	872	40h S6	80,91 oct.P-line SE,S.
Maple Rapids (Mich)	0.7 SE;riv N	760	21 S2	80 oct.Obst sur fld,Ctn soft.
Marks (Lawton, Mich)	1 N; RR S	770	25 S5	80 oct. Poles W, ENE.
(P) Mecosta Co.,5,GR-TG (Big Rapids, Mich)	1.5 NW;RR E	928	39 L3 S4	80 oct. Pole SE
Miller (Eaton Rapids,Mich)	1 ENE;riv W	908	21 S1	80 oct.
NEW OR CHANGE				
Hutchinson's Sunnyside (Moorland,Mich)	3.2 WNW;RR S	675	20 S2	80 oct.
Grant Mun (Mich)	1.8 ESE;RR E	705	27	Trees NE,E. E,S.
Daunder Fld(Fenton,Mich)	1.5 N;lk W	890	26 S1	80 oct.P-line W,NW,trees
David Airfld (Athens,Mich)	1.3 SSW;hwy E,S	915	26 S1	80 oct.Poles E,trees S,W.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
← Mt. Pleasant (Mich)	2.2 NE;riv N	755	36 S4	80,91 oct.E,SE,SW,W,NW blkd.
MUSKEGON Range (Muskegon Co)	263 (UK)	317°,2.8	BMRLZ-DT	(4) (Mich)
Newaygo (Mich)	0.8 SSE;hwy W	785	20 S5	80 oct. Trees S.
Northside (Muskegon,Mich)	5.4 NNE	598	29 S4	80 oct. All appchs blkd. Ctn-use strips.
(A) Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Park Twnship (Holland,Mich)	3 WNW;bay S	612	27 L4 S6	80 oct.No bcn.Lgts prior req. Poles S,SE,W
Paw Paw (Mich)	2 N;riv NE	720	24 S1	80 oct. Trees N,E,hill S,poles W
Pontiac (Mich)	6.4 WNW	970	21h L4 S6	80,91 oct
(P) Reynolds (Jackson, Mich)	2.5 WNW;RR S	990	40h L5 S6	80,91 oct.P-line SE,S.Lgts on
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1 req
Roscommon (Mich)	2.5 SE;RR NE	1100	42	P-line S.
Roscommon Co.(Prudinville)	4.5 N;riv N	1150	24	Trees sur fld. (Mich)
SAGINAW H Fac. (Mich)	212 (SI)		MHT	(4)(cont)
Saginaw (Mich)	4.5 E;RR N,S	601	33 L4 S6	80 oct.Poles S,SE,SW Lgts on req.Trees NW,NE
St. Clair Co.(Port Huron,Mich)	5.5 SW;hwy S	650	23 L1 S5	80 oct.Poles NE,SE,SW
St. Helen (Mich)	0.9 SE;RR NE	1153	26	
Saugatuck-Douglas (Douglas, Mich)	2 S;hwy W		26 S1	73 oct. Data unver.
Seely's (Davison, Mich)	4 WSW;RR N	780	20 S6	80 oct.N,NE blkd.
SELFRIDGE Army Range (Mt. Clemens, Mich)	388 (DLD)	119°,1.2	SBMRAZ	(3); 126.18
SELFRIDGE Tower (Mich)	396(126.18,137.88)		CA (ILS-W)	(3);137.88
(A) Selfridge (Mt.Clemens,Mich) (A)	3 E;lake NE	583	60h L5 S6	73.100 oct IP-1.Poles E FOREIGN CLEAR.STN.
Shiawassee Co.(Owosso,Mich)	2 E;riv S;RR W	740	24 S2	80 oct. Poles sur fld.
Skyhaven (Saginaw,Mich)	2.5 N;riv E	600	28 S2	80 oct. Trees NE N.
Sparta (Mich)	2.7 SE;RR W	752	25 S6	80 oct. Trees SE.
Timbers Sky Camp (S.Branch)	0.2 NE;riv E	950	24 S1	80 oct (Mich)
(P) [Tri-City] (Saginaw,Mich)	10 NW;RR SW	660	57h	"SVC & L6 LGTS FOR PCA ONLY"
West's (Clio, Mich)	4 SW;rd E	690	21 S2	80 oct.
White Cloud (Mich)	0.5 N	872	18	Twr SE P-lines NE,SW
Wings (Utica, Mich)	2.5 SW;RR E	630	23 S1	73 oct.N,NE blkd.

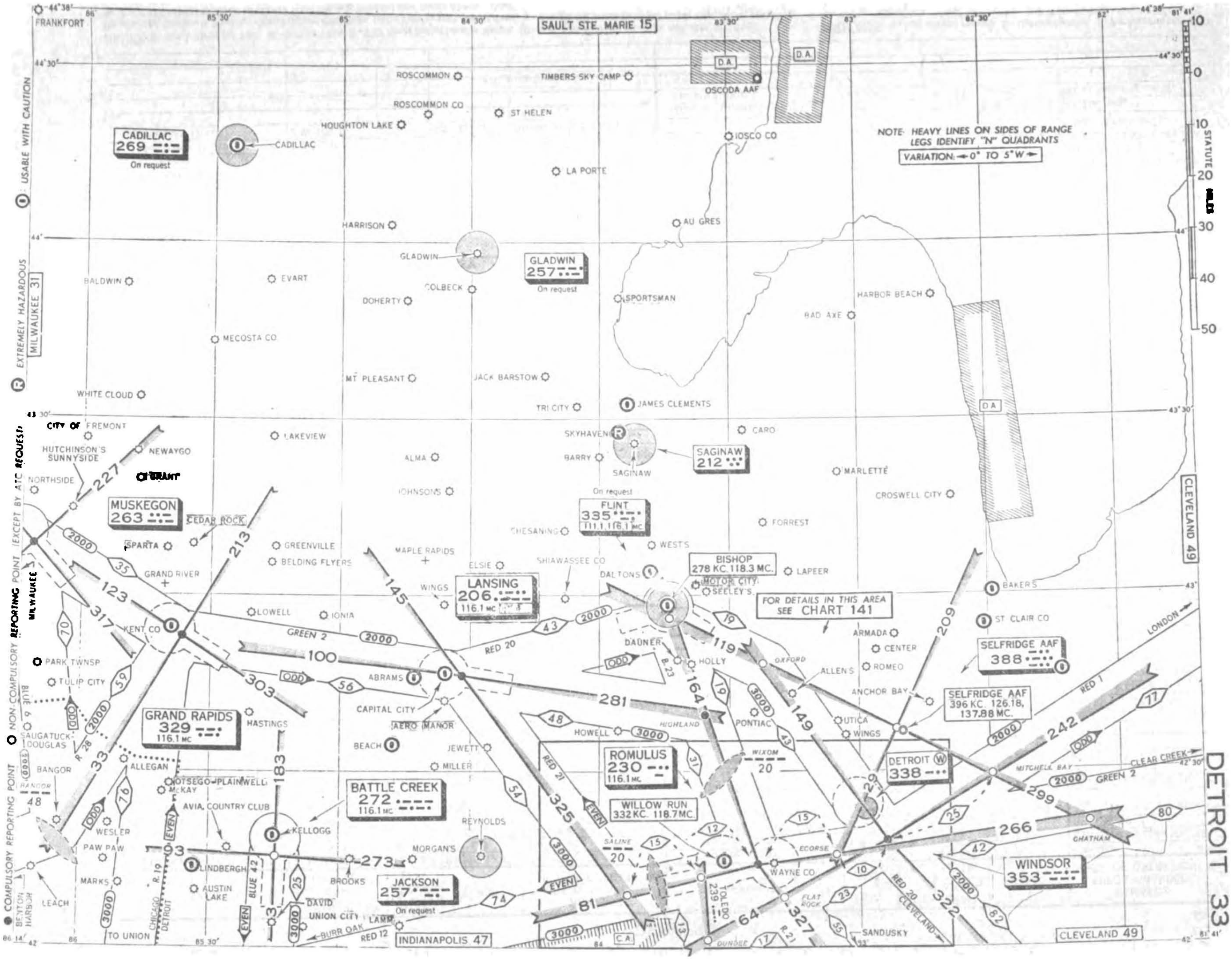
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LC	LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SELFRIDGE (A)	109.5		332.6	184°	IM- (0.23)	MM- ▪▪▪▪▪(0.83)	OM- ▬▬ (4.31)
						MMK-	OMK-
WILLOW RUN				50°	IM-	MM-	OM-
						MMK-341 ▬▪▬(0.65)	OMK-359 ▪▬▬ (5.80)
NEW OR CHANGE							

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Utica (Mich)	2.7 WNW;hwy S	710	20 S1	Ltd 80 oct.P-line NW,SE.Soft
Romeo (Mich)	2 ESE;lake E	730	30 S1	80 oct.N blkd.Poles W,RR N,W
(NC) Wayne Co. (Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct 1-each main NG. ARPT OF ENTRY
(P) [Willow Run] (Ypsilanti)	4.5 E;riv S	715	74h L5 S1	RR N (Mich)
Anchor Bay (New Baltimore)	0.5 NNE	615	25 S2	80 oct Trees sur fld (Mich)
Armada (Mich)	3 NNE;RR 0.8 N	680	26 S2	80 oct S,W blkd Trees E
Bad Axe (Mich)	1.2 SW	760	22 S2	80 oct.P-line NE,SE Twr
Chesaning (Mich)	0.8 W;hwy NE	639	24 S1	80 oct P-line E,S NW
City of Fremont/Fremont,Mich	2.8 SW;RR NW	800	30 S1	80 oct Poles S,NW
Aero Manor(Millett,Mich)	1.4 E;riv NW	858	30 S5	80 oct.Poles NW,trees NE,NW
Holly (Mich)	1 NW;lk E;RR S	913	20 S2	80 oct Trees NE,W,S
Iosco Co.(E.Tawas,Mich)	1 N;lake 0.5 N	597	19	P-line W
Knapp (New Hudson,Mich)	0.5 SW;RR SE	947	25 S1	80 oct N blkd
Lowell (Mich)	1.3 N;riv SE	700	18	Trees NW
McKay(Plainwell,Mich)	1.5 W;riv N	732	26 S2	80 oct Trees N,S,SW
Morgan's(Albion, Mich)	2.2 E;hwy N	965	21 S6	80 oct P-line N Trees NE,
Wesler (Gobles,Mich)	0.6 SSW;hwy E	690	24 S2	73,80 oct E blkd S,SW P-line N Tree W
Tawas City (Mich)	1WSW;rd S	595	19 S1	80 oct.P-lines S,SE,SW
WINDSOR Range (Ont.Can.)	353(QG)	243°,3.3	SBRAZ-T	3105,6210,3117.5
WILLOW RUN Tower (Mich)	332(118.7)		C(ILS-W)	(4):118.7
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy
Wings (St.Johns,Mich)	2.7 SW;RR N	760	21 S1	80 oct,Trees SE,NE,
Otsego-Plainwell Mun(Plainwell,	1.5 N;riv NW	727	26 S2	80 oct.Poles E,S. Mich)
Cedar-Rock (Edgerton,Mich)	0.8 SE;RR W	750	25 S1	80 oct.Poles SW.
Motor City Sky Park(Flint,Mich)	3.7 E;RR S	795	21 S1	80 oct.Trees NE,NW.
Marlette (Mich)	1.3 N;hwy W	825	18 S1	80 oct.Trees S,NW.
Sportmans (Pinconning,Mich)	1.7 ESE;riv N	592	27 S2	80 oct.Trees SW,NW.
Union City (Mich)	1 SW	900	27 S2	80 oct.Trees N,E NE,S.
Lamm (Litchfield,Mich)	2 N	957	22 S2	80 oct. P-line N,trees E.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ←→ New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


SAULT STE. MARIE 15
FRANKFORT
CADILLAC 269
On request
CADILLAC
ROSCOMMON
ROSCOMMON CO
HOUGHTON LAKE
ST HELEN
TIMBERS SKY CAMP
OSCODA AAF
D.A.
IOSCO CO
LA PORTE
AU GRES
HARRISON
GLADWIN
GLADWIN 257
On request
BALDWIN
EVART
COLBECK
DOHERTY
SPORTSMAN
HARBOR BEACH
BAD AXE
MECOSTA CO
MT PLEASANT
JACK BARSTOW
WHITE CLOUD
TRI CITY
JAMES CLEMENTS
CARO
CITY OF FREMONT
LAKEVIEW
SKYHAVEN
BARRY
SAGINAW
SAGINAW 212
ALMA
MARLETTE
CROSWELL CITY
JOHNSONS
On request
FLINT 335
CHESANING
FORREST
WESTS
MUSKEGON 263
CEDAR ROCK
SPARTA
GREENVILLE
BELDING FLYERS
MAPLE RAPIDS
ELSIE
SHIAWASSEE CO
BISHOP 278 KC. 118.3 MC.
MOTOR CITY
SEELEY'S
DALTONS
LAPEER
GRAND RIVER
WINGS
LANSING 206
116.1 MC
LOWELL
IONIA
KENT CO
GREEN 2
RED 20
DAUNER
HOLLY
OXFORD
ALLEN'S
ROMEO
ARMADA
CENTER
BAKER'S
ST CLAIR CO
SELFRIDGE AAF 388
PARK TWNSP
TULIP CITY
ABRAMS
CAPITAL CITY
AERO MANOR
ANCHOR BAY
SELFRIDGE AAF 396 KC. 126.18, 137.88 MC.
GRAND RAPIDS 329
116.1 MC
HASTINGS
BEACH
JEWETT
MILLER
HOWELL
HIGHLAND
PONTIAC
UTICA
WINGS
ROMULUS 230
116.1 MC
WIXOM
DETROIT W 338
SAUGATUCK-DOUGLAS
BANGOR
ALLEGAN
OTSEGO-PLAINWELL
McKAY
AVIA, COUNTRY CLUB
BATTLE CREEK 272
116.1 MC
WILLOW RUN 332 KC. 118.7 MC.
SALINE
ECORSE
MITCHELL BAY
CLEAR CREEK
GREEN 2
WESLER
PAW PAW
KELLOGG
REYNOLDS
MORGAN'S
WAYNE CO
WINDSOR 353
GHATHAM
MARKS
LINDBERGH
AUSTIN LAKE
BROOKS
JACKSON 257
On request
DAVID
UNION CITY
LAMB
BURR OAK
TOLEDO 239
FLAT ROCK
SANDUSKY
LEACH
BEYTON HARBOR
TO UNION
INDIANAPOLIS 47
CLEVELAND 49
DETROIT 33
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 5°W
FOR DETAILS IN THIS AREA SEE CHART 141
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
MILWAUKEE 31
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
10
0
10
20
30
40
50
227
213
123
317
145
100
303
281
164
149
209
119
242
325
327
322
266
299
183
33
81
64
273
2000
3000
ODD
EVEN

DENVER

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
AKRON Range (Colo)(Int.)	368(RN)(vhf)	154°,3.6	SBMRAZ-DTV	(4);116.1,122.1
★ Akron Int,9,DV-GI(Colo)	3.9 SE;RR N	4585	53 L3	Poles E.
★ Alvin Int,15,DV-GI(Colo)	3.5 NNE	3600	40 L2	Roads S,N.
ANTON Range (Colo)				DECOMMISSIONED
(A) Arlington #4 (La Junta, Colo) (A)	28 NNE	4424	70h	CLOSED. Arlington 3.3 WNW.
Bayard (Nebr)	1.3 SSW;RR N	3760	25 S2	No fuel. Poles N,E,NW,
★ Big Springs Int,55,SL-OH	3 WNW;hwy N	3605	35 L3	P-line E. (Nebr). SE.
Burlington (Colo)	0.5 W;RR S	4160	[illegible] S2	73 oct. P-line N,NE,SE,
Chappell (Nebr)	3 E;RR SW	3830	26 L[illegible] S2	73 oct. P-line W,S,NW
CHEYENNE Range (Wyo)	328(CH[illegible])	[illegible]	[illegible]-DTV	(3); 116.1, 122.1
CHEYENNE Tower (Wyo)	278(126.18, 118.3)		C	(4);118.3,126.18,122.5
(NG) [Cheyenne] (Wyo)	1 N;lakes WNW	6156	79h L6 S6	80,91 oct.;73,91,100 oct. for Army. 80,100 oct, 2-ech maint NG.
COLORADO SPRINGS Range (Peterson) (Colo)	224 (CD)	166°,3.9	MRLWZ	Poles W.
(P) Craig (Colo)	1.8 SE;riv N	6300	51 S6	80, 91 oct.
Cress (Westcliffe,Colo)	6 NW	8000	30 S1	80 oct.
DENVER Range (Stapleton) (Colo)	379(DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER Range (Stapleton) (Colo)	109.1(DV) (vhf)	211°, 9.7	VAR-DTXV	(3);116.1,122.1
Doughty's (Julesburg)	12 ESE	3600	18	PRIV. Use in emerg.
Douglas (Akron,Colo)	0.8 N	4400	28 S1	73 oct. (Colo)
Eads (Colo)	1.3 WSW;RR N	4210	42 S6	80 oct. P-line NE,N.
EAGLE Range (Colo) (6 mi ENE Eagle)	108.3 (EQ) (vhf)		BVAR-DTV	3105,3117.5; 116.1, 122.1
Eagle (Colo)	4.5 WSW;RR N	6496	38	
Estes Park (Colo)	2 SE;riv N	7635	30	Closed till June 1947
Flagler (Colo)	0.8 S;hwy N	4975	40 S4	80 oct. P-line E,NE,SE.
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	[illegible] L1 S6	73,80,91 oct. (Colo.)
[Fremont Co](Canon City, Colo)	6.9 E;riv 2.5 S	5350	49 S6	80 oct
General Brees (Laramie)	See Brees Field under "New Facilities"- name changed.			
Glenwood Sprgs.(Colo)	2 S	5900	31 S4	73 oct.
Granby (Colo)	1 ENE;hwy S	8200	39 S2	80 oct.
Gregg (Pueblo, Colo)	6 N;RR,hwy E	5000	57 S4	80 oct.
Holyoke (Colo)	1.8 ESE	3720	35 S4	80 oct. RR NW
Hugo (Colo)	1.5 E;hwy S	5034	26 S1	80 oct.
Idle Acres (Potter,Nebr)	11.8 N;hwy N	46[illegible]	21 S4	80 oct. P-line W. Data
Julesburg (Colo)	2.8 SW;hwy W	3490	24 S6	80 oct. unver.
LA JUNTA Range (AAF)	281(LH)(116.1)	194°,2.6	SBMRLZ-DTV	(4),116.1,122.1 (Colo)
LARAMIE Range (Brees) (Wyo)	245(LR)(vhf)	137°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Las Animas (La Junta, Colo) (A)	19 NE	4119	70h	CLSD. Las Animas 5.9 mi SSE.
Lorenzo (Nebr)	0.6 WNW;RR E	4400	17 S1	Ltd 73 oct. Cattle on fld.
Medicine Bow,31,SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct. (Wyo.)
Meeker (Colo)	1.3 E;hwy S	6300	56 S1	80,91 oct.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	(Colo)
Mitchell (Nebr)	1.6 S;riv N	3950	40 S6	73,80 oct. Trees, poles
Montrose (new) (Colo.)	1.5 NNW;hwy S	5780	58 S2	80,91 oct. NW.
Montrose (Colo)	1.3 S;RR NE	5800	33 S4	80 oct. CLOSED
Ogallala (Nebr)	2 W;RR S	3250	26 L1 S6	80 oct. Poles S,SE,SW.
Ordway (Colo)	0.9 S;RR N	4300	40 S2	Caution.
Oshkosk (Nebr)	1.8 SE;riv S	3375	21 S1	Ltd 80 oct. Poles NW,NE
PETERSON Tower (Colo)	272 (126.18)		CA	(4);126.18
(A) [Peterson](Colorado Springs, Colo)(A)	6.3 E;hwy N	6170	85h L5 S6	73,91,100 oct. No [illegible]to.
(P) Pine Bluffs,44,SL-OH	4.2 WSW;RR S	5128	48 L3 S2	73 oct. P-line N.(Wyo)
PUEBLO Range (Colo)	302(PU)(vhf)	340°,2.0	SBRAZ-DTV	(4);116.1,122.1
(P) [Pueblo] (Colo)	2.1 SW	4853	53h L5 S6	80,91,100 oct. E blkd.
(A) Pueblo AAB (Colo)(A)	7 NE;RR S	4712	88h	CLOSED.
Rawlins (Wyo)	2.3 NE;RR I S	6780	52 S4	80, 91 oct.
(P) Rifle (Colo)	3.3 E;riv N	5400	42 S2	80 oct. (Colo.)
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 mi S.
Roderick (Lindon,Colo)	4.3 N;riv.5 E	4900	26 S1	73 oct. Emerg only.
Royal Gorge (Canon City, Colo)	6.4 NW;hwy N	6320	26 S4	91 oct. Do not land N or S. P-line N.
(P) Saguache (Colo)	2 W;hwy NE	7700	48 S1	80 oct.
St. Francis (Kans)	1 SSE;riv NW	3400	35 S2	80 oct.
Salida (Colo)	4 W;RR S	7500	36 S4	80 oct. Trees W, S.
Saratoga Mun. (Wyo)	0.7 SSW;hwy E	6900	47 S1	80 oct. P-line ESE.
Schwartz-Johnson (Sidney, Nebr)	1.6 SSE;RR N			ABANDONED
SCOTTSBLUFF Range (Nebr)	341(TF)(116.1)	301°,3.1	SBMRLZ-DTV	(4);116,1,122,1
(P) [Scottsbluff] (Nebr)	3.3 E;hwy S	3945	82h L5 S1	80,91 oct. Lgts on req.
★ Sharon Springs (Kans)	1.2 NW;RR S	3500	32 S1	80 oct. P-line E.
SIDNEY H Fac. (Nebr)	314(SD)(116.1)	350°,0.0	BH-DTV	(4);116.1,122.1
★ Sidney Int,50,SL-OH	3 W;RR N	4132	[illegible]36 L3	(Nebr)
SINCLAIR Range (Wyo)(Int)	209(XP)(116.1)	80°,1.7	SBMRAZ-DTV	(4);116.1,122.1
★ Sinclair Int,27,SL-OH	3.8 ENE;RR S	6561	50 L3	
Stake's Prairie (Limon)	2.2 ENE;RR S	5375	34 S4	73 oct. (Colo)
STAPLETON Tower (Colo)	278 (126.18, 118.7)		AC (ILS)	(4);122.5,126.18,118.7
[Stapleton](Denver,Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
(P) Starr Nelson(Delta,Colo)	4 E;rd N	5200	40 S4	80 oct.
Teter (Fairplay,Colo)	3 SSE;hwy E	9700	63	
(P) Trading Post(Kit Carson)	0.8 NW;crk E	4290	40	PRIV. P-line S,SE.(Colo)
Valley (Silver Cliff,Colo)	0.7 ESE	8000	40	Hwy W.
Walden (Colo)	1.5 N;hwy W	8250	63 S1	80 oct.
Wamsutter Int,22,SL-OH	2.4 NNW;RR S	6812	50 L3	35' pole line SW.(Wyo)
Wray (Colo)	1.2 NNW;hwy E	3400	36 S2	80 oct.
(P) Young (Ft.Morgan,Colo)	6 N;hwy E	4460	52 S6	73,80 oct. Rough
Yuma (Colo)	1.4 SSE;hwy W	4150	54 S6	80 oct. P-line S,SE,SW,NW.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

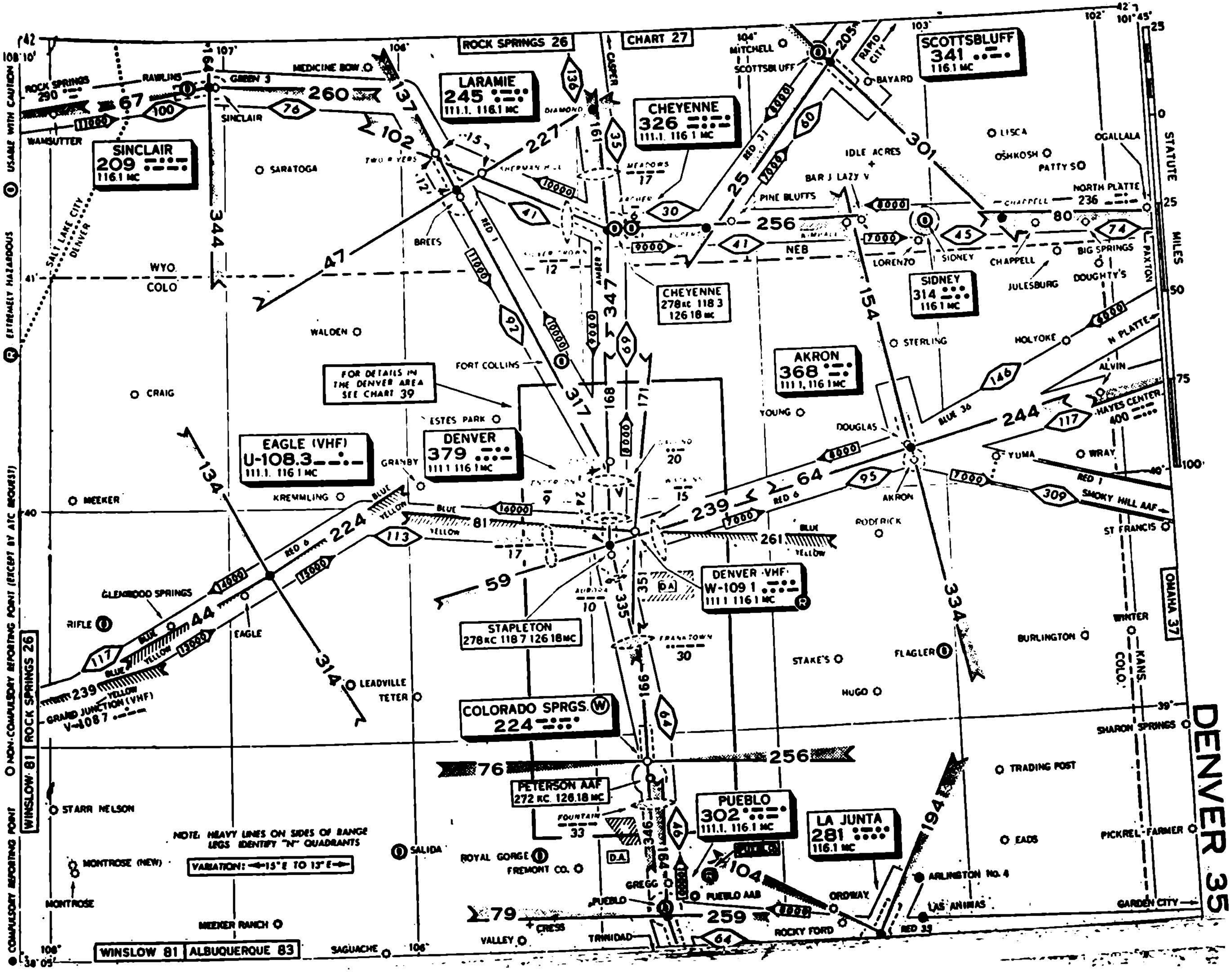
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
STAPLETON	110.3 ·—··	335	206°	IM-	MM-·—·—(0.65)	OM- ——(4.19)
					MMK- 335 ···—	OMK-359 —··
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bar J Lazy V (Potter,Nebr)	5.3 SW;rd E	4550	27 S2	80 oct.
O'Conta (Wisc)	1.5 SW;bay E	590	36 S2	80 oct. P-line N. Data unver
(P) Sterling (Colo.)	2.8 W;RR S	4070	34 S6	80 oct.
Pickrel-Farmer (Tribune, Kans)	1.3 SW;RR N	3550	17 S2	80 oct. Poles N,NE;bldgs
Kremmling (Colo)	0.9 E;hwy N	7410	27 S1	73 oct. Poles E [illegible]E
Winter (Kanorado,Kans)	0.6 SE;RR N	3910	29 S2	80 oct. Pole NE. Elev. NW Use strips only.
Brees (Laramie,Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Sidney (Nebr.)	3 S;hwy N	4298	34 S1	80,91 oct. P-line N.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3165, 4495, 6210 kcs. (4) - 3165, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. ✣ - Army A.C.S. transmits on and guards 116.1, 137.88, 149.16 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. (Jones) - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ROCK SPRINGS 26
CHART 27
SINCLAIR 209 116.1 MC
LARAMIE 245 111.1, 116.1 MC
CHEYENNE 326 111.1, 116.1 MC
SCOTTSBLUFF 341 116.1 MC
SIDNEY 314 116.1 MC
AKRON 368 111.1, 116.1 MC
DENVER 379 111.1 116.1 MC
EAGLE (VHF) U-108.3 111.1, 116.1 MC
CHEYENNE 278 RC 118.3 126.18 MC
DENVER VHF W-109.1 111.1 116.1 MC
STAPLETON 278 RC 118.7 126.18 MC
COLORADO SPRGS. 224
PETERSON AAF 272 RC, 126.18 MC
PUEBLO 302 111.1, 116.1 MC
LA JUNTA 281 116.1 MC
HAYES CENTER 400
GRAND JUNCTION (VHF) V-108.7
FOR DETAILS IN THE DENVER AREA SEE CHART 39
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 15°E TO 13°E
ROCK SPRINGS 290
WAMSUTTER
RAWLINS
GREEN 3
MEDICINE BOW
SINCLAIR
SARATOGA
SALT LAKE CITY DENVER
WYO
COLO
BREES
WALDEN
CRAIG
MEEKER
RIFLE
GLENWOOD SPRINGS
EAGLE
LEADVILLE
TETER
MONTROSE
MONTROSE (NEW)
STARR NELSON
MEEKER RANCH
SAGUACHE
SALIDA
ROYAL GORGE
FREMONT CO.
FORT COLLINS
ESTES PARK
GRANBY
KREMMLING
DIAMOND
CARPER
MITCHELL
SCOTTSBLUFF
RAPID CITY
BAYARD
LISCA
OSHKOSH
PATTY SO
OGALLALA
IDLE ACRES
BAR J LAZY V
PINE BUFFS
NORTH PLATTE
LORENZO
SIDNEY
CHAPPELL
BIG SPRINGS
DOUGHTY'S
JULESBURG
PAXTON
STERLING
HOLYOKE
N PLATTE
ALVIN
YOUNG
DOUGLAS
YUMA
WRAY
AKRON
RODERICK
ST FRANCIS
SMOKY HILL AAF
BURLINGTON
WINTER
KANS.
COLO.
STAKE'S
FLAGLER
HUGO
SHARON SPRINGS
TRADING POST
EADS
PICKREL FARMER
ARLINGTON NO. 4
LAS ANIMAS
GARDEN CITY
ROCKY FORD
ORDWAY
PUEBLO AAB
PUEBLO
GREGG
FOUNTAIN
VALLEY
CRESS
TRINIDAD
FRANKTOWN
BRIGHTON
MEADOWS
SHERIDAN
TWO R VERS
AURORA
D.A.
RED 1
RED 6
RED 31
RED 36
RED 39
BLUE
YELLOW
AMBER 3
CHAPPELL
NEB
WINSLOW 81 | ROCK SPRINGS 26
WINSLOW 81 | ALBUQUERQUE 83
OMAHA 37
DENVER 35
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
42°
41°
40°
39°
38° 05'
108° 10'
107°
106°
105°
104°
103°
102°
101° 45'

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
[illegible]lene (Kans)	1.7 WSW;RR N	1100	29 S6	80 oct.Trees E.P-line
[illegible]row (Lincoln,Nebr)	4.8 NE;hwy E	1160	25 L S6	73,80 oct.Port rnwy lgts. SE
Atwood (Kans)	2 N;hwy S	2900	26 S6	80 oct. Soft when wet.
(P) Beatrice (Nebr)	3.5 N;hwy E	1260	38h L3 S4	80 oct.Twrs S,SW;poles S,Rnwy data unver.
→ Belleville (Kans)	1.8 WSW;hwy S	1520	24 S6	80 oct.Poles S,SE.
Benkleman (Nebr)	1.2 NNE;RR SE	2990	28 S2	80 oct.
Bern (Kans)	0.6 S;RR N	1300	26 S1	80 oct.Pwr line N.
← Blosser (Concordia, Kans)	1 SSE;hwy W	1510	22 S2	80,91 oct.Pole E.
* Brainard Int,82,SL-OH	5.5 SW	1640	31 L2	P-line N.(Nebr.)
Broken Bow (Nebr)	2 N	2400	30 S6	80 oct.
(A) Bruning AAF (Nebr)(A)	7.7 E;RR N	1544	68h	CLOSED.
Central (Grand Island, Nebr)	1.7 NE;RR S	1851	33 S6	80,91 oct, P-lines W, N
(P) Clay Center (Kans)	1.5 W;hwy S	1200	30 S2	80 oct.Poles S,NW.
Clay Center (Nebr)	1.5 E;hwy N	1800	26 S2	80 oct.P-lines N.
Clothier (Cedar Point, Kans)	4 SSW;creek E	1320	20 S2	73 oct.
→ Colby (Kans)	1.8 N;hwy W	3150	42 S4	80 oct. Poles SW,W.
Columbus (Nebr)	1.3 NE;RR S	1445	26 S6	P-line SSE,SSW.
Crete (Nebr)	1 S;RR NE	1368	24 L3 S6	80,91 oct.Lgts prior req
David City (Nebr)	1.5 N;hwy W	1640	22 S2	80 oct.Windmill E.
→ Downs (Kans)	0.4 SW;riv S	1500	22 S1	80 oct.NW,N blkd. Pole
← Eddie Hutton (Brewster, Kans)	1 SE;RR N	3420	35 S4	80,100 oct.Poles SE,S,SW,N.
Elgin (Nebr)	0.8 SW;RR E	1930	16 S6	80 oct.Bldgs SE,N.
Elkins (Wakefield, Kan)	1 SSE;riv NE	1170	13 S1	80 oct. Poles W.
Ellinwood (Kans)	1.5 NW;RR S	1790	26 S6	73 oct.Poles N.
Emporia (Kans)	5.4 S;hwy E	1200	26 S6	80 oct, Poles E,NE
Fairbury (Nebr)	2.5 NNE;RR SE;hwy SE	1316	26 L S6	80 oct.Port rnwy lgts P-line W,NW,S.
(A) Fairmont AAF (Geneva, Nebr) (A)	4.8 NE	1639	70h	CLOSED
(P) Fremont (Nebr)	1.4 WNW; RRs NE	1203	38h S4	80,91 oct.P-line N, NE,E,SE.
Giffin-Orton (Hoisington, Kans)	See Hoisington Arpt under "New Facilities" - name changed.			
GOODLAND H Fac.(Kans)	353 (GN)		HW-T	
GOODLAND Range (Kans)				DECOMMISSIONED.
(P) Goodland (Kans)	2 NNE;hwy E	3689	37 S4	80,91 oct.P-lines SW,
Gothenburg (Nebr)	0.7 E;hwy S	2550	32 S2	80 oct.W.Trees NW.
GRAND ISLAND Range (Nebr)	263 (GI)(vhf)	165°, 1.3	SBMRLZ-DTV	(4); 116.1, 122.1
GRAND ISLAND AAF Tower (Nebr)				DECOMMISSIONED.
(A) Grand Island AAF (Nebr) (A)	3.5 NE;RR W	1846	72h	CLOSED.
(A) Great Bend AAF (Kans) (A)	4.5 WSW	1891	80h	CLOSED.
Great Bend Arpk.(Kan)	1.6 NNE;RR W	1850	26 S2	80 oct. Poles N,W.
(A) Harvard AAF (Nebr)(A)	2.5 NE	1817	76h	CLOSED.
Hastings (Nebr)	1.5 NW;RRs N,S	1940	35 S6	73 oct.
Hastings Sky Ranch (Nebr)	3.2 WSW;RR N	1960	26 L S6	80,91 oct.Port rnwy lgts. P-line S,W. NE,SW,W,NW.
Hawks (Bruning,Neb)	3.8 ESE;rd N	1544	29 S4	80 oct.N blkd.Poles.
HAYES CENTER Range (Nebr)	(400)(KB)(vhf)	64°, 2.2	SBMRAZ-DTV	(4);116.1,122.1
* Hayes Center Int, 21, DV-GI (Nebr)	3 ENE;rd S	3074	51 L3	
Hays (Kans)	1.5 E;RR S	2020	29 L S6	80,91 oct.Port rnwy
Hebron (Nebr)	1 S;RR W	1458	26 S4	80 oct.S appch lgts. 6:1, SW 10:1.
Herington (Kans)	1.5 SE;hwy N	1450	26 S2	80 oct.Poles N,NW.
(A) Herington AAF (Kans)	7.5 ENE	1485	69h	CLOSED.(A)
Hewett's (Beaver City, Nebr)	2.5 NNE; hwy S	2300	40 S1	73 oct.Pole NNW, SSW. Bldg N.
Hiawatha (Kans)	1.3 WSW;RR E	1110	25 S1	80 oct. Appchs blkd.
Holdrege (Nebr.)	2 NNE;crk S	2324	26 S4	80 oct.
Holyrood (Kans)	0.5 ESE;RR N	1820	17 S4	73 oct.Poles N.
→ Huntoon (Topeka,Kans)	5.4 W;hwy N	1000	18 S6	80 oct.Pwr line N.
Imperial (Nebr)	1 ESE;RR SW	3280	36 S4	80 oct.
Janssen Skytel (Mc Pherson, Kans)	1.5 SW;hwy N	1500	22 S6	80 oct. Hi-line W. Poles E.
KEARNEY Army H.Fac.	536 (DKR)	130°,5.3	HW	(Nebr)
KEARNEY AAF Tower	396 (126.18)		CA	(3);126.18 (8-1630)
(A) Kearney AAF (Nebr)(A)	4.5 ENE;RR S	2130	73h L5 S6	73,91,100 oct.JP-1.No sto
Kearney (Nebr)	4.5 S;riv N	2145	15 S1	80 oct.Trees N;p-line E
Larkinburg (Kans)	0.3 E;hwy N	947	27 S2	80 oct.Hi-lines N.Data unver.
Larned Mun. (Kans)	1.6 NNE;RR SE			ABANDONED.
LEBO Range (Int.)(Kans)	311(LN)(vhf)	336°, 0.0	BMLZ-DTV	(4);116.1,122.1
* Lebo Int,39,AQ-KC	4 ENE;RR N	1160	33 L3	(Kans)
Lenora (Kans)	1.2 NNW	2325	29 S2	creek NE 80 oct.
Lexington (Nebr)	1.7 NW;RR S	2400	28 S6	80 oct.P-line NE,E,SE.
LINCOLN Range (Nebr)	385 (HK) (116.1)	170°, 2.4	SBMRLZ-DTV	(4);116.1,122.1
(NG)[Lincoln](Nebr) →	5 NW;RR NE	1191	71h L5 S6	80,91,100 oct. 73,91,100 oct for NG.
Lyons (Kans)	1.3 W;hwy N	1950	28 S6	73 oct.P-line NW,N,NE
Manhattan (Kans)	5.5 WSW	1050	31 S6	80 oct. RR SE.
Mankan (Manhattan, Kans)	3.7 ENE;hwy S	1050	30 S6	80,91 oct.Poles sur fld.
Mankato (Kans)				ABANDONED
(P) Marion (Kans)	1.8 ESE;hwy N	1370	36 S4	80 oct. Appchs blkd.
MARSHALL Army Range (Ft. Riley)(Kans)	215 (DFY)	196°, 4.0	SBMRAZ	
MARSHALL Tower (Kans)	396 (126.18)		CA	(3); 126.18
(A) Marshall (Ft.Riley, Kans) (A)	1.8 SE	1062	45h L5 S6	73,91,100 oct. Ditch E, S.
McCook (Nebr)	2.2 E;RR S	2586	42 S4	80 oct. Windmill N.Hwy
(A) McCook AAF (Nebr)(A)	9 NNW;hwy E	2784	75h	CLOSED. S.
McPherson (Kans)	4 NNE;hwy W	1500	34 S6	80 oct. Soft when wet. Appchs blkd.
→ Moritz (Beloit,Kans)	1.2 NW;RR S	1420	24 S6	80 oct.Trees E.
MORLAND Range (Kans)				DECOMMISSIONED.
Moundridge (Kans)	2.2 WNW	1485	17 S2	80 oct, Poles SW,W,RR
(P) Norfolk (Nebr)	3 SSW;RR W	1572	58h S6	80 oct.P-line SE. .8 NE
NORTH PLATTE Range (Nebr)	236(NQ)(vhf)	352°, 2.2	SBRAZ-DTV	(4); 116.1, 122.1
(P) [North Platte](Nebr) →	3.2 ESE;riv S	2779	55h L5 S6	73,80 oct.
(P) Norton (Kans)	0.7 NNW;hwy E	2365	52 S4	80,91 oct.P-line S.
→ Oberlin (Kans)	0.9 NW;hwy SE	2684	25 S4	80 oct.P-line SE,NE.
Ohiowa (Nebr)	3 SW	1572	20	Fence sur fld.Data un- ver.
OMAHA Range (Nebr)	320(OH)(vhf)	146°, 0.8	SBRAZ-DTV	(3); 116.1,122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C (ILS-W)	(4);126.18,122.5,118.5
→ [Omaha] (Nebr)	3.5 NE;lk W	982	54h L6 S6	80,91,100 oct.
→ 100th Meridian (Cozed, Nebr)	0.8 SW;RR N			ABANDONED.
Ord (Nebr)	1.8 NW,RR,hwy E	2060	31 S4	80 oct.Use strips.
* Overton Int, 69, SL-OH (Nebr)	4.8 E;RR S	2300	40 L3	Bldgs, trees NW;poles NE.
PHILLIP BILLARD Tower (Topeka, Kans)	278(118.5, 126.18)		C	(4);118.5,126.18,122.5; 100-150 mcs on req.
→ [Phillip Billard] (Topeka,Kans)	3.5 ENE;riv N	879	43h L3 S6	80, 91 oct.
(P) Phillipsburg (Kans)	1.2 S;hwy E,N	1882	33 S2	80,91 oct.
Pottawatomie (Manhattan, Kans)	1.4 NE;RR SE	1100	20 S4	80 oct.Poles SE,NW,NE
Republican City (Nebr)	See Waldo Air Svc under "New Facilities" - name changed.			
Russell (Kans)	2.7 ESE;hwy N	1860	32 S6	73,80,91 oct.Poles N, NE,S,SW.
SALINA Range (Kans)				DECOMMISSIONED.
Salina (Kans)	2.5 SE	1275	26 S6	80, 91 oct, P-line NW.
Schuyler (Nebr)	2.8 W;RR S	1380	20 S4	80 oct.NE,SW blkd.
→ Scott City (Kans)	1.3 ESE hwy N	2980	32 S2	80 oct.SW,W,NW blkd. Poles N,NE.
(A) Scribner AAF (Nebr) (A)	4.1 SSE;hwy N	1315	67h	CLOSED.
Seneca (Kans)	0.5 W;RR S	1250	24	Poles N,S.
Sky Village (Salina, Kans)	6.6 WSW;RR SE	1270	22 L S6	80 oct. Port rnwy lgts P-line S.
→ Smith Center (Kans)	1 SSW	1806	27 S1	80 oct. S blkd.Pole SE.
SMOKY HILL Army Range (Salina) (Kans)	344 (DSN)	170°, 5.1	BMRLZ-DT	(4)
SMOKY HILL AAF Tower (Kans)	396 (126.18)		CA (ILS-W)	(4); 126.18
(A) Smoky Hill AAF (Salina, Kans) (A)	4.5 SW;RR E	1289	100h L5 S4	73,91,100 oct.No sto.
→ Summerfield (Kans)	0.3 SSE	1450	20 S6	80 oct. P-line N,NW.
TARKIO H Fac. (Mo)	281(TK)(116.1)		MHTV	(4);116.1,122.1
Tarkio, 10, KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct. Trees N.
TOPEKA VHF Range (Kans)				DECOMMISSIONED
TOPEKA Army Range (Kans)	269 (DTO)	32°, 3.5	BMRAZ	(4)
TOPEKA AAF Tower (Kans)	206 (116.1, 126.18)		CA	(3); 116.1, 126.18
(A) Topeka AAF (Kans) (A)	6 S;RR W	1078	65h L5 S6	73,91,100 oct. JP-1. No sto. CLOSED.
Union (Lincoln,Nebr)	4.8 NNE;RR S	1140	18h L3 S6	80,91 oct. All lgts prior req.
WALDO VHF Range (Kans)				DECOMMISSIONED.
(A) Walker AAF (Hays, Kans)(A)	12.5 E;hwy S	1975	80h	CLOSED.
Waverly (Lincoln,Neb)	9 NE;RR SE	1180	20	Poles SE,SSW.
West Point (Nebr)	1.5 E;hwy W		16 S4	80 oct.Data unver.
Wood Arpk (Clay Center, Kans)	3.5 N;hwy W	1260	15 S6	80 oct. No sto. P-line W.
Wright Arpk (Abilene, Kans)	1 SSE;riv S	1150	13 S1	80 oct. S blkd.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
GRAND ISL. AAF (A)				DECOMMISSIONED
OMAHA	110.3	335	135°	IM- (0.78) MM- ·—·—· OM- ——(4.90) MMK- 201 ···· OMK- 219 ———
SMOKY HILL (A)	109.9	333.8	123°	IM- (0.19) MM- ····· (0.89) OM- ——(4.20) MMK- OMK-
				IM- MM- OM- MMR- OMR-

NEW FACILITIES

Hill City Mun.(Kans)	0.8 NE;riv S	2200	28 S2	Sto SW blkd.	
Mankato Mun.(new)(Kans)	1.4 NW;RR SW	1840	24 S6	80 oct.Windmill NE	
Trenton Mun.(Nebr)	1.3 NW;RR S	2840	27 S2	80 oct.Poles SE.	
Wahoo Mun.(Nebr)	2.5 NE	1180	25	Poles S.	
Oakland (Nebr.)	2 W	1320	28 S6	80 oct.Use strips.	
Hoisington (Kans)	1.3 NE;hwy S	1870	25 S4	80 oct.Poles S.	
Burdett Fly Club(Kans)	1 SW;RR N	2140	20 S1	80oct Poles E,S.	rior req.
→ Concordia (Kans)	1.7 S;hwy W	1510	24 L S6	80oct Flood,port rnwy lgts	
→ Ellsworth (Kans)	1 N;twr 0.8 S	1630	26 S6	80oct FEE.P-line NW	
Hoover (La Crosse,Kans)	0.5 ENE;RR S	2060	24 S2	80 oct.Poles S,N	
Hoxie (Kans)	0.7 N;RR,hwy S	2665	20 S1	73 oct.Poles S,W	
→ Marysville (Kans)	1.3 ENE	1240	26 S6	80 oct P-lines N,S	
Nessco (Ness City,Kans)	1.6 ESE;RR 0.6 N	2240	26 S2	80 oct. E/W rnwy unsafe	
Ness Fly.Club(Ness City, Kans)	1 ESE;RR N	2245	23 S2	80oct Poles N,S when wet	
Oakley (Kans)	0.6 SSW;RR N	3050	26 S2	80oct.P-lines SE,S,NW,N	
Ritter(Jct.City,Kans)	3.7 W;hwy N	1260	18 S2	80oct Poles NE,N.Use stps.	
Sterling Air Svc.(Kans)	1.2 SSW;lk 0.5 NE	1630	19 S4	80oct.Trees all appchs.	
Trenton (Nebr)	1.2 NW	2840	27 S2	80 oct.P-line SE	
Superior(Nebr)	2 N;hwy W	1735	26 S2	80 oct.	
Geneva Fly.Svc.(Nebr)	1.2 SSW;RR NW	1633	26 S4	80 oct.Poles E.Soft-wet	
Roush(Grand Isl.Nebr)	2 SSE;riv N	1841	32 S6	80,91 oct.E blkd.	
Harmon(Kearney,Nebr)	1.3 NNW;lk S	2240	17 S4	80 oct.Soft when wet.	
Waldo Air Svc (Republican City,Nebr)	0.5 WNW;riv S	1980	30 S6	80,91 oct,N end soft.	
Heller Air Ranch (Wisner,Nebr.)	5 SSW;rd S	1350	22 S4	80 oct.Poles SE. Use strips only.	

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

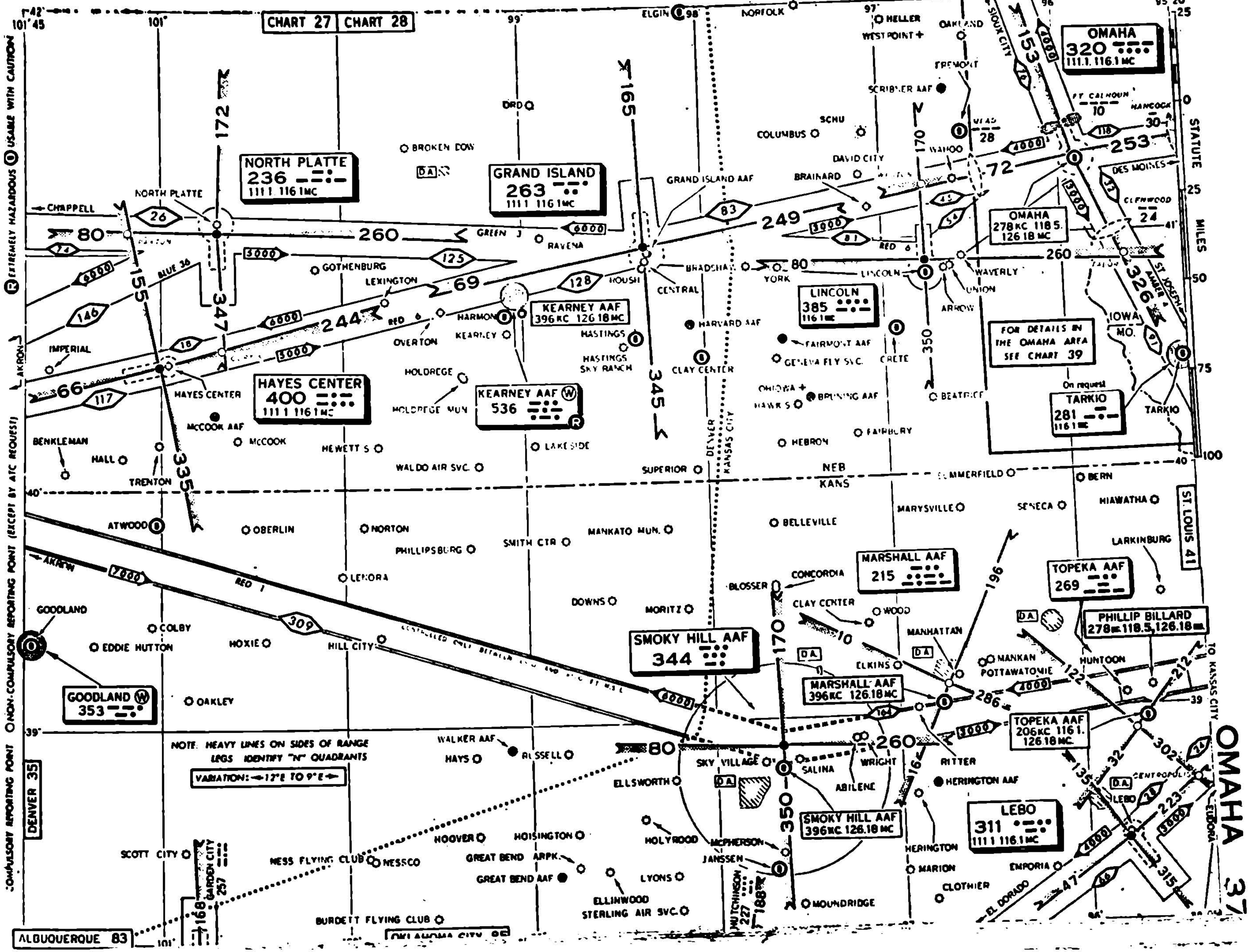


CHART 27
CHART 28
NORTH PLATTE
236
1111 116 1MC
GRAND ISLAND
263
1111 116 1MC
HAYES CENTER
400
1111 116 1MC
KEARNEY AAF
396 KC 126 18 MC
KEARNEY AAF (W)
536
OMAHA
320
111.1, 116.1 MC
OMAHA
278 KC 118 5, 126 18 MC
LINCOLN
385
116 1 MC
TARKIO
281
116 1 MC
FOR DETAILS IN THE OMAHA AREA SEE CHART 39
On request
SMOKY HILL AAF
344
SMOKY HILL AAF
396 KC 126.18 MC
MARSHALL AAF
215
MARSHALL AAF
396 KC 126.18 MC
TOPEKA AAF
269
TOPEKA AAF
206 KC 116 1, 126.18 MC
PHILLIP BILLARD
278 KC 118.5, 126.18 MC
LEBO
311
1111 116.1 MC
GOODLAND (W)
353
ALBUQUERQUE 83
DENVER 35
OMAHA 37
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 9°E
STATUTE MILES
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
CONTROLLED AIRSPACE BELOW 1200 FT MSL
NEB
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KANSAS CITY
TO KANSAS CITY
ST LOUIS 41
IOWA
MO.
ELGIN
NORFOLK
HELLER
WEST POINT
OAKLAND
SIOUX CITY
FREMONT
SCRIBNER AAF
COLUMBUS
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WAHOO
DAVID CITY
BRAINARD
GRAND ISLAND AAF
DES MOINES
CLENWOOD
FT CALHOUN
BLAIR
HANCOCK
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ARROW
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LINCOLN
BRADSHAW
CENTRAL
HOUSH
HARVARD AAF
FAIRMONT AAF
GENEVA FLY SVC.
CRETE
BEATRICE
OHIOWA
HAWKS
BRUNING AAF
FAIRBURY
HEBRON
SUPERIOR
SUMMERFIELD
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SENECA
MARYSVILLE
LARKINBURG
BELLEVILLE
CONCORDIA
BLOSSER
CLAY CENTER
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MANHATTAN
ELKINS
MANKAN POTTAWATOMIE
HUNTOON
CENTROPOLIS
LEBO
EMPORIA
HERINGTON
MARION
CLOTHIER
MOUNDRIDGE
SALINA
WRIGHT
ABILENE
RITTER
HERINGTON AAF
SKY VILLAGE
ELLSWORTH
HOLYROOD
MCPHERSON
JANSSEN
HUTCHINSON
SMITH CTR
MANKATO MUN.
PHILLIPSBURG
DOWNS
MORITZ
LENORA
OBERLIN
NORTON
ATWOOD
GOODLAND
COLBY
EDDIE HUTTON
HOXIE
HILL CITY
OAKLEY
SCOTT CITY
GARDEN CITY
NESS FLYING CLUB
NESSCO
HOOVER
HOISINGTON
GREAT BEND ARPK.
GREAT BEND AAF
LYONS
ELLINWOOD
STERLING AIR SVC.
BURDETT FLYING CLUB
WALKER AAF
HAYS
RUSSELL
BROKEN BOW
ORD
GOTHENBURG
LEXINGTON
OVERTON
KEARNEY
HARMON
HASTINGS
HASTINGS SKY RANCH
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HOLDREGE MUN
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McCOOK
HEWETT S
WALDO AIR SVC.
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FACILITY	ARPT. LOCATION	& DIST. ELEV.	CLASS	FREQS. GUARDED. HRS. OF OPERATION
Auburn (Nebr)	2.7 E;riv SW	960	29 S6	80 oct.P-line N,NW,NE
Beardstown (Ill)	1.5 SE;RR N,W		18 S2	80 oct. Data unver
Black Walnut (St. Louis, Mo)	18 NNW			ABANDONED
→ Blair (Nebr)	3 NNW;hwy W	1050	28 S6	80,91 oct.P-line NW,W.
(P) Boulder (Colo)	3 ENE;RR NW	5350	42 S6	80,91 oct. RR S.
BUCKLEY Tower (Colo)(NG)	201 (126.18)		CA	(3); 126.18 (8-16)
(NG)(N) Buckley (NAS) (Denver, Colo)	12.5 ESE	5642	80h	73.100 oct,1-ech maint NG
Calhan (Colo)	0.6 ESE;hwy N	6500	22	
* Chesterfield Int,4,LS-CG (Ill)	3 ENE;hwy 1 W	612	26 L3 S1	80 oct,P-line NE,NW.
Civil Air Patrol (Denver,Colo)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Clear Ridge (Omaha, Nebr)	5.2 NW;RR N	1230	28 S6	80 oct. P-line E.
COLORADO SPRINGS Range (Peterson)(Colo)	224 (CD)	166°, 3.9	MRLWZ	
Combs (Denver, Colo)	3 NE;RR N	5276	35 S6	80,91 oct P-line N,S.
Council Bluffs (Iowa)	3 SE;RR S	980	37 S6	80 oct Bldgs SW.
Craig (Mo)	See Ward Arpt under "New Facilities" - name changed			
Creighton (Golden, Colo)	4 E;lake E	5600	30 S1	80 oct. NW blocked.
Creve Coeur (St. Louis, Mo)	14.5 WNW			ABANDONED
Crosier (Greeley, Colo)	3.5 E;rd,riv S	4648	34 S6	73,91 oct.
Cyril Lebert (Lebanon, Ill)	0.5 SE;hwy N	440	22 S2	80 oct. Poles N,W,S.
DENVER Range (Stapleton)(Colo)	379 (DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER VHF Range (Stapleton) (Colo)	109.1 (DV)(vhf)	211°,9.7	VAR-DTXV	(3);116.1,122.1
Dunlap (Iowa)	0.5 WNW;RR SE	1160	30 S3	80 oct. P-line NNE.
→ Eagleton (Decatur, Nebr)	1 S;hwy E	1100	26 S1	80 oct.P-line NE,E,SE.
East Colfax (Watkins, Colo)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N,NW.
Edwardsville (Ill)	3.4 E;RR N	555	21 S2	No fuel. P-line E,S
Ellisville (Mo)	0.4 NE;hwy S	750	16 S2	80 oct.
Englewood (Colo)	6.8 SSE;hwy S	5520	45 S6	80, 91 oct.
Flagler (Colo)	0.8 S;RR N	4975	48 S4	80 oct. 20' p-line E.
Fleck's Lakeview (Rochester, Ill)	2.8 W;lake W	580	21 S6	80 oct. P-line W
Gundlach (Belleville, Ill)	1.8 E	514	23	Obsts sur fld.
H & S (Gillespie, Ill)	1 W;RR S	661	18	P-line N,E.
Harlan (Iowa)	5 SSW;hwy E	1196	27 S2	73 oct. Hi-line S,E.
Hew's (Humboldt, Nebr)	4.2 NNE	1200	13	Pwr line E.PRIVATE
Hi ghland-Winet (Highland,Ill)	3.6 NE;RR S	535	24	P-line S.
Jacksonville (Ill)	3.9 S;hwy E	650	18 S6	80 oct P-line E.
Kratz (St. Charles, Mo)	1.1 ESE;RR S	442	30 L S6	80,91 oct. Port rnwy lgts.
Lakeside (E. St. Louis, Ill)	7 NNE;lake W	420	32 L S6	80,91 oct. Port lgts on rel SE blocked
LAMBERT-ST. LOUIS Tower (St. Louis, Mo)	278 (126.18, 118.3)		AC(ILS)	(4); 126.18, 122.5, 118.3
(NG)(N) [Lambert-St Louis](Nas) (St. Louis, Mo)	10.8 NW;hwy N, W	552	60h L6 S6	80-100 oct. Ltd 100 oct, 2-ech maint NG.Rdo rqrd.
Longmont (Colo)	2.9 W;hwy .5 S	5030	44 S6	80,91 oct. Trees NW.
LOWRY Tower (Colo)	396 (126.18)+		CA ✱:00.20	(3); 126 18
(A) Lowry (Denver, Colo) (A)	5.3 ESE	5412	83h L5 S6	91, 100 oct JP-1
Lucas (Festus, Mo)	1.7 S;RR W	425	16 S2	73 oct.
Machens (Mo)	1 NNW			ABANDONED
Meremec (Valley Park, Mo)	1.5 ESE;riv N	440	30 L S2	80 oct. Port rnwy lgts P-line S.
Missouri Valley (Iowa)	1.5 S;RR W	960	16 S2	80 oct.
Negus (Alexander, Ill)	2.8 WSW;RR SE	645	22	PRIVATE.
(N) Neubeiser OLF (St. Louis, Mo) (N)	22 NNW;riv N	438	20h	CLOSED
Nichols (Colorado Springs, Colo)	2.8 NNE;hwy W	6200	42 S6	80,91 oct. P-line SE,S,SW, NW,N,NE.
OFFUTT Tower (Omaha, Nebr)	396 (126.18)		CA	(3); 126.18
(A) Offutt (Omaha, Nebr) (A)	10 S;RR W	1046	61h L5 S4	91,100 oct. No sto.
Oliver Ranch (Onawa, Iowa)	5 SE;hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
OMAHA Range (Nebr)	320(OH)(vhf)	146°,0.8	SBRAZ-DTV	(3); 116.1, 122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C (ILS-W)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE;lake W	982	54h L6 S6	73,80,91,100 oct No contact lgts.
→ Parks (East St. Louis, Ill)	4.2 SW;RR SE	410	26 L3	NW blk. PRIVATE.
Parks Metropolitan (East St. Louis, Ill)	3.5 SSW;RR W	420	40 L S6	80,91 oct Port rnwy lgts 1700' paved rnwys.
PETERSON Tower(Colo)	272(126.18)		CA	(4):126.18
(A) [Peterson] (Colorado Springs, Colo) (A)	6.3 E; hwy N	6170	85h L5 S6	73,91,100 oct.
Pine Valley (Colorado Springs, Colo)	9.2 N;bet RR,hwy	6575	42 S6	80,91 oct P-line NE,E,SE, W,NW.
Randolph (Iowa)	1.7 NNE;RR W	1050	20	
Rocky Mountain (Colorado Springs, Colo)	6 ESE	6100	35	
Ross (St. Louis, Mo)	4.8 NNW;RR SE	430	30 S6	80,91 oct. Poles sur fld.
Ruston (Denver, Colo)	10 NNW;hwy W	5550	40 S6	80,91 oct P-line NE,SW, E,W blocked.Rnwy data unver. Bet RR & hwy.
Rutledge (Dupont, Colo)	2.1SSW;	5107	37 S6	80,91 oct.Poles sur fld.
St. Charles (Mo)	5.3 NNW;RR N	470	29 S6	80 oct Poles E,N,NE,SE.
ST. LOUIS Range (Lambert-St. Louis) (Mo)	209(LS)(vhf)	256°,2.2	SBRAZ-DTXV	(3); 116.1, 122.1
SCOTT Army Range (Bellev'l, Ill)	263 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill)	396 +		CA	(4)
(A) Scott (Belleville,Ill)(A)	7.5 ENE;RR S	441	55h L5 S5	73,91,100 oct JP-1
Shenandoah (Iowa)	2.8 W;RR SE	960	25 L S2	80 oct. Port rnwy lgts
SKY RANCH Tower (Colo)	296		CI	(3); (8-17)
Sky Ranch (Denver, Colo)	12.6 E;RR S	5478	55 S6	73,80,91 oct.
SPANISH LAKE H Fac.(Mo)	219 (L)	69°,7.8	FMHW	(Cont.) St. Louis
Springfield (Ill)	3.5 SW;bet RRs	606	31 S6	80,91 oct. Use strips.
SPRINGFIELD,Ill,(Range)	239(ZD)	113°, 2.3	SBMRAZ-DT	(4)
STAPLETON Tower (Denver, Colo)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7
[Stapleton] (Denver, Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
Starling (St. Louis, Mo)	14 SSW;riv 3 N	615	24 S2	80 oct.Trees ESE,SE,WNW.
Steckley (Weeping Water,Nebr)	3 S;RR,rd E			ABANDONED
Sylvan Beach (Fenton, Mo)	2 NNW	442	42 L S2	80,91 oct Port rnwy lgts. P-line N.
TARKIO H Fac. (Mo)	281 (TK)(116.1)		MHTV	(4);116.1,122.1
Tarkio,10,KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct.
Tecumseh (Nebr)	1 W;RR NE	1115	26 S4	80 oct.Trees W;p-line N.
Valley (Nebr)	1.8 NW;RR NE	1150	22 S1	80 oct.
Vest Aircraft Co.(Denver,Colo	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
Wadlow (Alton, Ill)	3.5 NNW	600	25 S6	80 oct. P-line SW,trees S.
Weiss (Kirkwood, Mo)	4 SW	430	15 S4	80 oct. P-line NE,N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LAMBERT	110.3	335	238°	IM-	MM- (0.64)	OM- (3.98)
					MMK- 201	OMK-
OMAHA	110.3	335	135°	IM-	MM- (0.78)	OM- (4.90)
					MMK- 201	OMK- 219
STAPLETON	110.3	335	206°	IM-	MM- (0.65)	OM- (4.19)
					MMK-335	OMK- 359

NEW FACILITIES

Tekamah (Nebr)	1.3 S;hwy	1010	30 S2	80 oct.S blkd.
Lisco (Nebr)	0.5 W;RR N	3800	26	
Patty's (Lewellen,Nebr)	0.3 S	3300	26	P-line E.
Grundman, (Nebr. City, Nebr.)	1.1 W;hwy E	1150	28 S2	80 oct.
Falls City Mun. (Nebr.)	1.8	980	29 S2	80 oct.

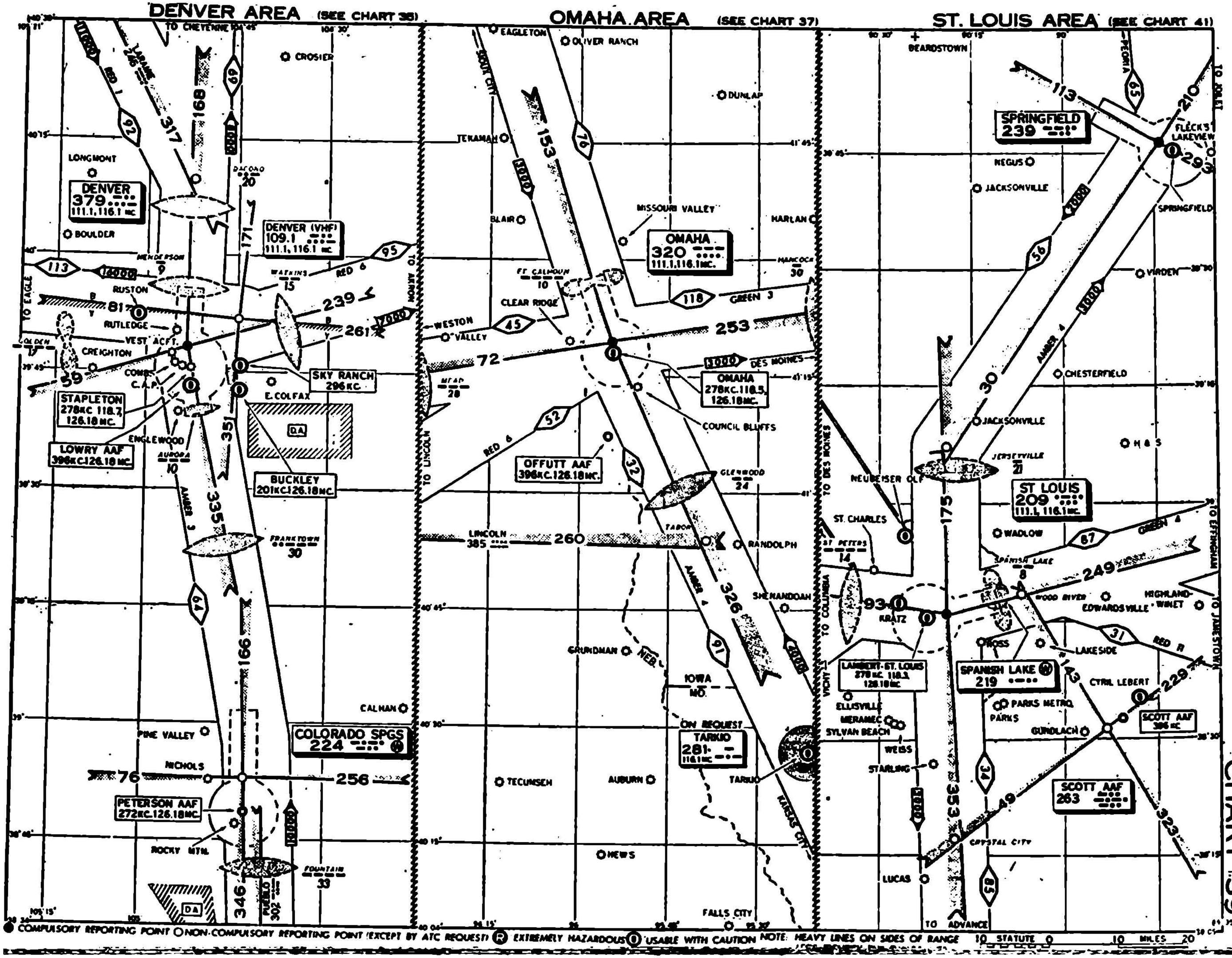
RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 118.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ✱ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

DENVER AREA (SEE CHART 38)

OMAHA AREA (SEE CHART 37)

ST. LOUIS AREA (SEE CHART 41)



● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) Ⓡ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION NOTE: HEAVY LINES ON SIDES OF RANGE 10 STATUTE 0 10 MILES 20

ST. LOUIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adair (Iowa)	1.5 SSE;RR NW	1350	18 S1	Ltd 73 oct. Trees S.
ATLANTIC H Fac. (Iowa)	257(I2)(116.1)		MHTV	(4);116.1,122.1
Atlantic, 4B,CG-OH(Ia.)	1.9 W;RR E	1153	33 L3	Bcn 1/4 mi W.
Atlantic (Iowa)	4.6 NW;RR S	1353	21 S6	80, 91 oct.
Audubon Arwys (Iowa)	1 SSE;RR W	1300	15 S1	80 oct.
Bailey's (Brookfield, Mo)	2 WSW;hwy N	800	26 S1	80 oct. Pwr line SE. Poles E,SE,NW blckd
Bailey's Arpk(Chillicothe, Mo)	2 SSE;RR W	675	32 S6	80 oct. S,SW blckd.
Beaver (Des Moines)	3.4 NW	900	25 S2	80 oct. (Iowa)
Boonville (Mo)	1.5 NNW;riv S	602	26 S2	80 oct. P-lines NE,E.
Bowling Green (Mo)	1.6 NW;RR E	882	25 S2	80 oct. Poles S;pwr line SE.
BRADFORD H Fac. (Int.)	382 (MQ)		MHT	(4) (Ill)
* ★ Bradford Int,29,KC-CG (Ill)	4.5 NNE;	795	26 L3 S1	80 oct. P-line SW,NE.
(P) Bradley (Moberly,Mo)	3 NNE;hwy W	865	37h S6	80,91 oct. Obsts.
Briggs (Fiscus,Iowa)	4.2 NE;RR E	1370	21 S2	80 oct. Trees N.
BURLINGTON Range	326(BN)(vhf)	357°, 1.9	SBRAZ-DTV	(4); 116.1, 122.1 (Iowa)
(P) Burlington (Iowa)	1.7 SSW	698	54h L5 S6	80, 91, 100 oct. Hwy lts
Butler, (Mo)	1 N;RR,hwy W	870	26 S2	80 oct. Hedge N
Cameron (Mo)	2 E;RR NW	1050	21 S4	80 oct. Poles N,W,NNE
Carthage (Ill)	1.5 SSW;RR E	665	24 S6	80 oct. P-line E.
CEDAR RAPIDS H Fac	344(CID)		MHW	(Oper City)
(P) Cedar Rapids (Iowa)	6.7 SSW	864	55h L5 S1	80,91 oct. RR E
Centerville (Iowa)	3.5 ESE;RR N	1017	25 S2	80 oct. Use strips only
Charlton C.A.P (Iowa)	2.3 NNE;RR SE	1050	16 S1	80 oct.
CHILLICOTHE H Fac (Mo	242(CK)(116.1)		MHTV	(4);116.1,122.1
Chillicothe,7,KC-CG	3 ESE;RR N, SW	780	25h L3	P-line S;trees SW. 4000' strip avail.
Clarinda (Iowa)	0.8 SE;RR W	1060	26 S4	80 oct. rnwy lgts
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct. No gto. Port
(P) Clinton (Mo)	2 NE;RR SE	800	36 S6	80,91 oct, P-line N,S,
COLUMBIA Range (Mo)	379(CA)(vhf)	89°, 3.9	SBRAZ-DTV	(4);116.1,122.1 SW
Columbia (Mo)	2.4 NW;hwy S	777	33h L3 S6	80,91 oct. No flood lgts
Columbus Junction (Ia)	3 N;RR E	580	28 S2	80 oct. P-line N,E.
Cram (Davenport,Iowa)	2.5 NW;RR SW	646	21 S6	80,91,100 oct.
Creston Arwys (Iowa)	1.6 NE;RR W			ABANDONED
Daviess Co. (Mo)	1.1 W;RR N	930	19 S2	80 oct. Pole N.
Decatur (Ill)	4 NW	678	29 S6	80,91 oct. P-line S,SW W, NW.
DES MOINES Range (Iowa)	212(DM)(vhf)	344°, 2.3	SBRAZ-DTV	(3); 116.1,-122.1
DES MOINES Tower (Iowa)	278 (126.18, 118.3)		C	(4);126.18,122.5,118.3
(NG) [Des Moines] (Iowa)	4.5 SSW;RR W	957	57h L5 S6	80,91 oct.
Dixon (Ill)	1.9 ESE;RR S	786	30 L1 S6	80,91 oct. Appchs blckd except E and S half W boundary.
Dodge (Iowa)	3.5 E;RR E	835	27 S6	80 oct. Hwy E.
Dressler (Anita,Iowa)	7 SSE;rd W	1250	17 S2	80 oct. Trees S.
Eads (Iberia, Mo)	1.1 W;hwy NE	960	32 S2	80,91 oct.
Edwards (Grant City)	1.2 ENE;hwy S	920	23 S2	(Mo.) 80 oct. P-lines S
Fayette Flying Fld.(Mo.)	1.8 S;RR W	730	29 S2	80 oct. Trees W,S.
Fitzgerald (Mendota, Ill)	1.5 NW;lake E	800	22 S6	80 oct. Trees E.
Fordyce (Bethany,Mo)	4.8 ESE;rd W	1050	22 S2	80 oct. unver
Fort Madison (Iowa)	1.5 N;RR W		27 S4	80 oct. Ltd sto. Data
Fulton (Mo)	3 WSW;hwy SE	875	15h S6	80 oct. P-line N,NE,S.
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct. Fld lgts prior req. E blocked.
Grand (Grand Mound)	1.2 SW;RR N	770	20 S2	80 oct. (Iowa)
Green(Mexico, Mo)	4.3 ESE;RR S	815	34 L S6	80,91 oct. Port rnwy
Guthrie Center (Iowa)	0.5 NW;riv E	1074	21 S1	80 oct. lgts P-line NW
Hannibal (Mo)	4.5 WNW; hwy N	735	26 L S6	80 oct. P-line W,SW. Port rnwy lgts. Rough
Hillsboro (Ill)	1 NE lake ,5 E	625	27 S6	80 oct. P-line SE,SW.
Hi-Way (Piatt, Ill)	1.3 WNW;hwy S	665	20 S2	80 oct. P-line S,E,NW
(P) Hunter (Cedar Rapids, Iowa)	3 S;hwy E	732	27 L3 S6	80,91 oct. Fld lgts prior req. Poles S,E
Huston (Windsor,Mo)	4.3 E;hwy N	932	25 S1	80 oct.
IOWA CITY H Fac (Iowa)	246(IC)(116.1)		BHTV	(4);116.1,122.1
(P) Iowa City (Iowa)	1.7 SW;riv E	650	43h L1 S6	80,91 oct. No sto.
Jefferson City (Mo)	2 N;hwy S	550	32 S6	80, 91 oct.
KANSAS CITY Range (Mo)	359(KC)(vhf)	148°, 2.9	SBRAZ-DTXV	(3); 116.1, 122.1
KANSAS CITY Tower (Mo)	278 (126.18, 118.3)		AC (ILS	(4); 126.18,118.3, 122.5.
[Kansas City] (Mo)	2.5 NW;riv W,S	744	52h L6 S6	80,91,100 oct. Poles E Dike W. Flood lgts in
Keokuk (Iowa)	4.6 NNW;riv E	670	28 S6	80,91 oct. op
KIRKSVILLE Range (Mo)	391(KR)(116.1)	320°, 0.9	BMRLZ-DTV	(4); 116.1, 122.1
Kirksville Arpk (Mo)	Adj SE	927	26	Clsd winter. NE
Kirksville,12,KC-CG	7 SE;hwy NE	970	39h L3 S6	(Mo.) 80,91 oct. P-lines
LAMBERT Tower (St. Louis, Mo.)	278(126.18, 118.3)		AC(ILS)	(4);126.18,122.5, 118.3
NG [Lambert-St.Louis] (St.Louis,Mo.)	10.8 NW;hwy N, W	552	60h L6 S6	73-100 oct. Rdo rqrd. NNW blkd.
* Lamoni Int,10,KC-MP	3 WNW;RR NE	1060	37 L3	(Iowa)
Leon (Iowa)	4.1 N;RR SE	1050	20 S2	80 oct.
Lexington (Mo)	3 WNW;RR NW	650	33 S6	80 oct. P-line S,W,SW
* Luray Int,16,KC-CG	1.9 ESE;RR N	727	26 L3	(Mo) Poles N,E,W.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct. N,NE blckd. P-line E, SE.
Mader (Garnett,Kans)	2 WNW;hwy S	1060	26	Obst sur fld.
Manning (Iowa)	0.6 SW;RR W	1327	25 S2	73 oct.
Marceline (Mo)	1.5 N;RR SE	855	20 S1	80 oct. P-line NNE.
MARSHALL H Fac. (Mo)	281(MH)(116.1)		MHTV	(4);116.1,122.1
* Marshall Int,7,KC-LS	1.8 S;hwy W	800	39 L3 S2	80 oct. Trees E,NE,W
(P) Maryville Mun. (Mo)	2.2 WNW;hwy S	1154	25 S6	80, 91 oct. (Mo)
Matanzas (Havana, Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
McCoy (Blue Mound,Ill)	5 W	660	16 S2	No fuel.
Medbury (Armington)	1 NE	650	26	Data unver. (Ill)
Mel Adkins (Gravois Mills, Mo)	4.2 SSE;hwy W	950	19	Rough
Melbourne, com. (Iowa)	0.3 S;RR E	1000	21 S2	80 oct. P-line E.
MOLINE Range (Ill)	324(MO)(116.1)	142°, 12.0	SBRAZ-DTV	(4);116.1,122.1 (ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req.)
(P) [Moline] (Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct. Poles NW.
Monmouth (Ill)	1.5 NNE;rd E	770	31 L1 S6	80 oct. P-line E,W,S.
MONTEZUMA H Fac.				DECOMMISSIONED
* Montezuma Int,17, OH-CG (Iowa)	3 E;hwy N	953	32 L3	Poles N,S,W,W.
Morton (Ill)	3 W;hwy N		33 S2	80 oct. Use NE/SW strip. Data unver.
Mt.Ayrport (Mt.Ayr, Iowa)	6.6 N;RR N	1100	21 S1	Ltd 80 oct. Poles N, NE.
Mt.Hawley(Peoria, Ill)	6.4 N;RR SW	700	28 S6	80,91 oct. P-lines SE.
Mt. Pleasant (Iowa)	2.6 ESE;RR N	727	19 S2	80 oct. S,SW
(P) Muscatine (Iowa)	6 SW;RR SE	546	36 S6	80 oct.
Nashville (Ill)	1 E;lake W		20 S1	80 oct. Data unver.
NEW FLORENCE H Fac. (Int.)(Mo)	248(ST)(116.1)		BHTV	(4);116.1,122.1
* New Florence Int,17, KC-LS (Mo)	1 SSE;hwy N	885	40 L3 S1	80 oct.
Newton (Iowa)	1.5 ENE;hwy S	950	27 S6	80 oct. Poles S
Nicholas (Marshall,Mo)	3.8 S;hwy W	770	26 S6	80 oct. Tree S.
Niederhauser Arwys (Grinnell, Iowa)	4.5 E	1000	26 S1	80 oct. P-line S
OLATHE Navy Range (Kans)	233 (NUU)	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans	201(142.74)		CN (GCA)	(3);142.74 (8-18)
(N) Olathe Nas (Kans)(N)	5.2 SW;RR W	1065	53h L5 S6	100 oct.
OTTUMWA Tower (Iowa)	272 (142.74)		CN	(3); 142.74
(N) Ottumwa NAS (Iowa)(N)	6.4 NNW	841	52h L5 S6	73, 100 oct.
Ottumwa (Iowa)	3.6 N;RR N	830	32 S6	80,91 oct. P-line
Pekin (Ill)	4 S;RR E	505	29 S6	80,91 oct. P-lines SE.
Pella (Iowa)	3.5 SE;RR N	877	24 S6	80 oct. S,SW,W,NW.
PEORIA Range (Ill)	356 (PI)	178°, 2.2	SBMRAZ-DT	(4)
(P) [Peoria] (Ill)	4.8 WSW;rd E	659	44h L5 S6	80,91 oct. Fld lgts on req.
Phil-Larry (Roanoke, Ill)	See Fash under "New Facilities" - name changed.			
Princeton (Ill)	3 N;creek N		18 S2	80 oct. Data unver.
Quincy (Ill)	2.8 SE;hwy E	850	26 S6	80,91 oct. E blckd. P-line SE,S,SW.
(P) Quincy (new)(Ill)	9.5 E	760	54h	Data unver.
Red Oak (Iowa)	1.5 W;RR E	1044	26 32	80 oct. P-line N.
ROSECRANS Tower (Mo)	278 (126.18, 118.7)		C	(4); 126.18,118.7,122.5
(NG)[Rosecrans] (St. Joseph, Mo)	4 NW;riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct, 2-ech maint NG. Fld lgts
Roth (Oskaloosa,Iowa)	2 SSE;RR NE	850	20 S2	80 oct. Trees sur fld prior req.
St. David (Ill)	1.5 SW;RR N			ABANDONED.
ST. JOSEPH Range (Rosecrans) (Mo)	341 (ZJ)(vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116.1, 122.1
ST. LOUIS Range (Lambert-St.Louis)(Mo)	209(LS)(vhf)	256°, 2.2	SBRAZ-DTXV	(3);116.1,122.1
SCOTT Army Range (Belleville)(Ill)	253 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill.)	396		CA	(4)
(A) Scott (Belleville,Ill)(A)	7.5 ENE;RR S	447	59h L5 S5	73,91,100 oct JP-1.
Sedalia (Mo)	6.3 NW;RR S	820	30 S6	80 oct. Poles S.
(A) Sedalia AAF (Knobnoster, Mo) (A)	2.8 S;hwy N	848	72h	CLOSED
Seymour (Iowa)	2 NNW;RR S	1060	24 S1	80 oct. Hedge S.
Slater (Mo)	0.8 NW;hwy N	850	26 S2	80 oct. P-line adj N.
SPANISH LAKE H Fac (Mo)	219 (L)	60°, 7.8	MHW	(Cont.) St. Louis
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
Springfield (Ill)	3.5 SW;bet RRs	606	31 S6	80,91 oct. Use strips.
Sterling (Ill)	1.4 NW;hwy E	645	26 S6	80,91 oct. P-line SE.
Stuart Int,8,OH-CG (Ia)	3.5 SE;rd E	1109	31 L3	P-line NE,E.
Taylorville (Ill)	1 SW		26 S6	80 oct. Data unver.
Unionville Arwys (Mo)	1.5 ESE;hwy NE	1100	21 32	80 oct. P-line N.
Vandalia (Ill)	4.4 NW	532	39h L3 S6	80 oct.
Van Orin Int,34,OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vaughn (Trenton,Mo)	1.2 NNW;RR E	790	26	
Venture (Ottumwa,Ia)	2.8 SSE;RR W	800	13 S6	80 oct. P-line N,W,NE
Versailles (Mo)	1.7 ENE;RR N	1050	20 S4	80 oct. P-lines sur fld.
Virden (Ill.)	1 WSW;RR E,S	640	25 S2	80 oct. P-line N,E. Sctl.
VICHY (AAF) Range (Mo)	344(OM)(116.1)	310°, 2.7	BMRLZ-DTV	(4);116.1,122.1
(A) Vichy AAF (Mo)(A)	1.5 NNW	1120	55h	CLOSED. Hwy SW
Vogel (La Salle,Ill)	6.5 NNW;RR E	664	26 S2	80,90 oct. Soft when wet. Poles N, W
Warrensburg (Mo)	7.3 SSW;hwy E	860	22 S6	80 oct. Use strips only. P-lines SW,NW.
Washington (Iowa)	1.5 SSE;RR NE	759	26 S6	80 oct.
Weise Flying Service (Lone Tree, Iowa)	3.4 NE		26 S2	80 oct. Hi-line N. Data unver.
Winterset (Iowa)	2 W;RR E	1130	21 S4	80 oct. Fence each end rnwy.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

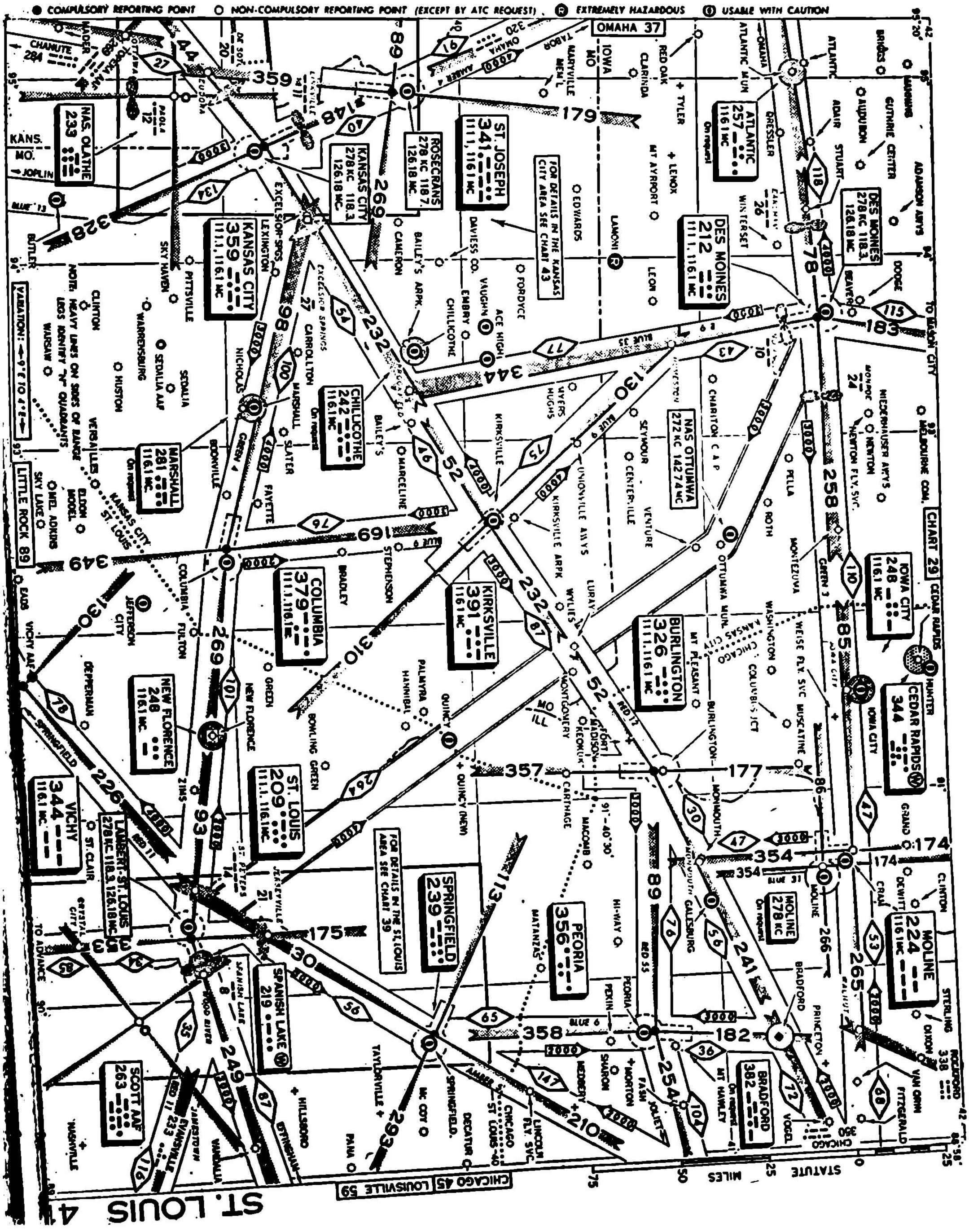
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
KANSAS CITY	109.9	333.8	173°	IM-	MM- (2.6) OM- (4.65)
					MMK-221 OMK-248 (1.0
LAMBERT	110.3	335	238°	IM-	MM- (0.64 OM- (3.98)
					MMK-201 OMK-
MOLINE	110.3	335	131°	IM-	MM- (0.71) OM- (4.4)
					MMK- OMK-
				IM-	IM- OM-

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
Warsaw (Mo.)	2.5 W;lk N,E,S	690	26 S4	80 oct. Trees W,S,E
Sharon(Fremont,Ill)	1 SE;RR,hwy N	631	21 S6	80 oct. P-line NE.
Sims (Warrenton,Mo)	0.4 ESE;hwy W	880	18 S2	80 oct. Trees E,W
Sky Haven(Warrensburg,Mo)	3.7 WNW;hwy S	850	24 S6	80,91 oct. P-lines SE, SW
Pana (Ill.)	2 E	706	18 S2	80 oct. P-line N
Sky Lake(Tuscumbia,Mo)	8 WSW	588	25 S1	80 oct. Trees NNE
Excelsior Springs (Mo.)	1.6 W;hwy S	900	10 S2	80 oct. Bldg SW
Tyler(Villisca,Iowa)	0.5 E;riv E	1055	18 S1	80 oct. P-line S
Lenox (Iowa)	1 N	1200	22 S1	80 oct. Trees S
Myers-Hughs(Lucerne,Mo)	0.4 SE;RR W	905	20 S2	80 oct. S blkd. Rough
Montgomery(Kahoka,Mo)	0.4 ENE;RR S	700	19 S2	80 oct. N,S blkd.
Lincoln Fly.Svc.(Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N
Dewitt (Iowa)	1.5 ESE;RR S	710	23 S2	80 oct. S blckd.
Newton Fly.Svc.(Iowa)	3 W;hwy S	960	22 S2	80 oct. P-line SE.
Pittsville (Mo)	1.2 WNW;hwy S	925	20 S1	80 oct. P-line W. Trees
Stephenson (Macon,Mo)	3.5 SSE;RR W	850	26 S2	80 oct. P-line N E.
Bradshaw (Nebr)	1.3 NNE	1700	26 S6	80 oct. P-line N,S,NW.
Hall (Stratton,Nebr)	1 SE;RR,riv N	2850	27	Poles W, NW. Use strips.
Holdrege Mun.(new)(Neb)	2 ENE;RR,hwy S	2310	36 L1	Facs not installed but
Lakeside(Franklin,Neb)	5 N;lake N	2120	13	Soft when wet. usable
Ravenna (Nebr)	1 NNE	2070	22 S2	80 oct. Poles W. Use stps.
York (Nebr) Ia.)	1.8 N;hwy W	1662	30	Poles SW,NW. Use stps.
Adamson Arwys (Perry,	4.8 WSW;RR N	1000	17 S6	80 oct. P-line N.
Wyllies(Gorin,Mo.)	3 WNW;riv W	1040	14 S2	80 oct. Use strips only
Embry(Trenton,Mo.)	5 ESE;hwy F	800	26 S2	80 oct. P-lines E. Trees W
Depperman(Owensville,	0.7 NNW	900	28 S2	80 oct. Trees W,NW.
St.Cliff(Mo.) Mo)	1.4 ENE	750	20 S2	80 oct. E,SSE,W blkd.
Palmyra (Mo.)	0.7 SE;hwy W	650	22 S2	80 oct. Trees S. P-lines W.
Ace High(Galt,Mo.)	3 SW;hwy N	937	29 S6	80 oct. Poles SW,N.
Carrollton (Mo.)	4.0 W;hwy W	700	20 S2	80 oct. P-lines NNE
Eldon Model Arpk(Eldon,	0.9 NE;RR SE		23 S2	80,91 oct. Trees SSW
Fash (Roanoke,Ill)	4 W	474	25 S2	80 oct.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→← New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) Ⓡ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION



FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Allman (Lenexa, Kans)	2.5 NNW; hwy N	1030	22 S1	80 oct. Hedge E.
Ashburn (Chicago, Ill)	12 SW; hwy W	620	16 S4	80 oct. Unsafe after rain
Ashland Ave. (Chicago Hgts)	1.5 NW; hwy S	675	29 S6	80,91 oct. Obsts sur fld.
(P) Aurora Airways (Ill)	3 NNW	701	30 S4	80 oct. Twr NE; poles E, W
Cedar Lake Fly. Svc (Cook, [Ind])	0.5 E; hwy W	751	28 S4	80,91 oct, P-line NE, SE, SW.
CHICAGO Range (Ill)	350 (CG) (116.1)	152°, 2.2	SBRAZ-DTXV (3); 116.1	
CHICAGO Tower (Ill)	278 (126.18, 118.7, 118.1)		AC (ILS)	(4); 126.18, 118.7, 118.1, 122.5 (GCA test basis)
(NG) [Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
Chicago-Elmhurst (Elmhurst, Ill)	2.5 N; hwy SW	707	27 S6	80,91 oct. Poles S, E.
Chicago-Hammond (Lansing, Ill)	1.5 S; RR N	660	37 L3 S6	73,80,91 oct. Obsts sur fld.
(A) Chicago-Orchard (Ill)	16 NW; RR W	657	58h L6 S6	2nd ech maint. 100 oct. JP-1.
CHICAGO-ORCHARD Tower (Chicago, Ill)	396 (126.18)		C	(4); 126.18
Conard (Ottawa, Kans)	3.8 NNE	946	24 S6	80 oct. P-line N; hedge S
Elgin (Ill)	2.2 N; hwy W	770	24h S1	80,91 oct. [Hwy 1.5 W
FAIRFAX Tower (Kans)	278 (126.18, 118.9)		AC	(4); 126.18, 122.5, 118.9
(A) Fairfax (Kans. City, Kans)	3 NE; RR E	746	65h L5 S4	81,100 oct. (A)
Fisher's (Edwardsv'l, Kans)	1 ESE; RR N	770	26 S6	80,91 oct, P-line N.
Gardner (Kans)	1.4 WSW	1070	39	
Gault (Wellsville, Kans)	0.8 ESE; RR N	1020	20	Trees E.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58, 142.74
GLENVIEW NAS Tower (Glenview, Ill)	236 (142.74, 140.58)		CN	(3); 140.58; 3117.5 on req.
(N) Glenview NAS (Ill) (N)	1.6 NW; RR W	654	63h L3 S6	91,100 oct. No sto. RR E
Grayslake (Ill)	1.1 ENE; rd W	791	26	Trees W, S, E.
Hall's (Olathe, Kans)	2.6 SSE; RR W	1000	16 S2	73 oct. Cat'l on fld. P-
Harlem (Oaklawn, Ill)	2.2 WNW; hwy W	619	26 S6	80 oct. P-line E line N.
HARVEY Range (Rubinkam)	385 (GH)	90°, 2.2	MLWZ	(Ill)
Harrisonville (Mo)	2.1 W; RR N, S	910	18 S1	73 oct. Use strips only.
Hawk's (Atchison, Kans)	1.3 WNW	1000	15 S2	80 oct. Poles N, SE.
Heart of America (Kans. City, Kans)	4 E; RR E	759	23 S6	80 oct. Poles, trees S. Use strips only.
Hinsdale (Ill)	3 S; hwy SE	710	26 S6	73,80 oct. Rolling grnd
Howell (Blue Island, Ill)	3 W; hwy E	600	26 S6	80, 91 oct. [strips only.
Independence (Mo)	5.8 ESE; RR S	825	24 S6	80,91 oct. Poles S. Use
JOLIET Range (Ill)	257 (JO) (116.1)	126°, 3.7	SBRAZ-DTV	(4); 116.1, 122.1
Joliet, 22, LS-CG (Ill)	5 W; riv W	580	30h L4 S4	80,91 oct. Flood lgts prior req. after 2400.
Kane Co. (Elgin, Ill)	7 WNW; hwy E	910	21 S4	80 oct. Trees E, SE, NW
KANSAS CITY Range (Mo)	359 (KC) (vhf)	148°, 2.9	SBRAZ-DTXV	(3); 116.1, 122.1
KANSAS CITY Tower (Mo)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18, 118.3, 122.5
[Kansas City] (Mo)	2.5 NW; riv W, S	744	52h L6 S6	80,91,100 oct. Poles E. Dike W. No flood lgts.
(P) Kansas City-Grandview (Kansas City, Mo)	16.4 S; RR E	1072	55h L5 S6	80,91 oct. No flood lgts. P-line NE, SW.
Lawrence (Kans)	2.5 NNE; hwy S	832	32 L3 S6	80,91 oct. No bcn lgts prior req. P-lines W, E, SE, NE.
Leavenworth Lecompton	3.6 WSW	1125	26 S1	80 oct. Trees N. P-line NE,
Lewis-Lockport (Lockport, Ill)	2.2 WNW; hwy E	664	26 S6	80,91 oct. [(Kans) SW. Twr SE. Obsts sur fld
Mitchell (Lombard, Ill)	2.8 NNW	710	24	Data unver.
Momence (Ill)	3.5 SW; riv N	645	23 S2	80 oct. Trees NW, N, NE
Morris (Ill)	4.5 N; hwy W	590	21 S2	73 oct. Poles N, NNE.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
OLATHE Navy Range (Kans)	233 (NUU)	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans)	201 (142.74)		CN (GCA)	(3); 142.74 (8-18)
(N) Olathe NAS (Kans) (N)	5.2 SW; RR W	1085	53h L5 S6	100 oct.
(N) Olathe OLF #2 (Kans) (N)	5 SE	1090	16h	INACT. 4 W of Stanley.
(N) Olathe OLF #4 (Kans) (N)	10 S	1090	22h	INACT. 1.3 SE Spring-
(N) Olathe OLF #7 (Kans) (N)	16 SSW	940	23h	INACT. 4.3 W [hill. of Hillsdale.
(N) Olathe OLF #9 (Kans) (N)	11 SE	1070	23h	INACT. 1 N of Stillwell
Ong (Kansas City, Mo)	9 SE; hwy NE	1050	31 S6	80,91 oct. Pwr line SW.
Osawatomie-Paola Mun. (Owawatomie, Kans)	3.8 N; pond S	960	25 S1	80 oct. P-line S. Hedge SW, N
★ Osborn Int, 4, KC-MP (Mo)	1.5 NW; hwy S	1046	32 L3	
Ottawa (Kans)	5.3 S; hwy V	975	29 L S6	80 oct. Port rnwy lgts. P-line NNE.
Pal-Waukee (Glenview, Ill)	5.5 WNW; RR S	642	30 L S6	80,91 oct. P-line N. Bcn flare pots, rdo rprs. Rnwy data unver.
Prosperi (Tinley Park, Ill)	1.7 SSW; hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW; RR N	650	18 S6	80 oct. Trees S. (Ill)
(NG) [Rosecrans] (St. Joseph, Mo)	4 NW; riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct, 2-ech maint. NG. Fld lgts prior req.
ROSECRANS Tower (St. Joseph, Mo.)	278 (126.18, 118.7)		C	(4); 126.18, 118.7, 122.5
(P) Rubinkam (Harvey, Ill)	2.5 SW; hwy N	615	47 L1 S5	73,80,91 oct. Use W part
St. Charles (Ill)	3.5 E; RR E, S	760	18h	P-line N. [only.
ST. JOSEPH Range (Rosecrans)	341 (ZJ) (vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116.1, 122.1
SHERMAN Tower (Kans)	396 (126.18)+		CA	(3); 126.18 [Closed 2000-0800
(A) Sherman (Ft. Leavenworth)	1 NNE; RR W	771	60 L5 S4	73,91,100 oct. (Kans) (A)
Sky Harbor (Northbrook, Ill)	1.6 NW; RR E	680	26 L S6	80,91 oct. Flare pots. P-line S.
Sky Haven (Bensenville, Ill)	1.5 SE; RR W, N	650	23 S4	80,91 oct. Use strips.
State Line Arpk (Stanley)	3.8 NE; hwy E	990	22 S1	80 oct. Obst sur fld. (Kans)
Stinson (La Grange, Ill)	2 SE; hwy SE	644	25 S6	80,91 oct. P-line S, W.
(P) Washington Park (Homewood, Ill)	1.5 SE; hwy E	625	30 S6	80,91 oct. Allway area
Will Co. (Steger, Ill)	0.5 S; RR W	740	15 S6	P-line S. No sto. or fuel
Wooddale (Ill)	1.5 N	711	30 S5	80 oct. Woods SSW; p-
York Township (Lombard, Ill)	2 SSW; hwy N	726	20 S6	80 oct. Use [line W. strips. P-line N, E.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC	LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHICAGO	109.9		333.8	132°	IM-	MM- ·—·—(0.79)	OM- ——(5.8)
						MMK- 201 ···	OMK- 219 ·—··
KANSAS CITY	109.9		333.8	173°	IM-	MM- ·—·—(2.6)	OM- ——(4.65)
						MMK- 221 ·—·—	OMK- 248 —·— (11.0

NEW FACILITIES

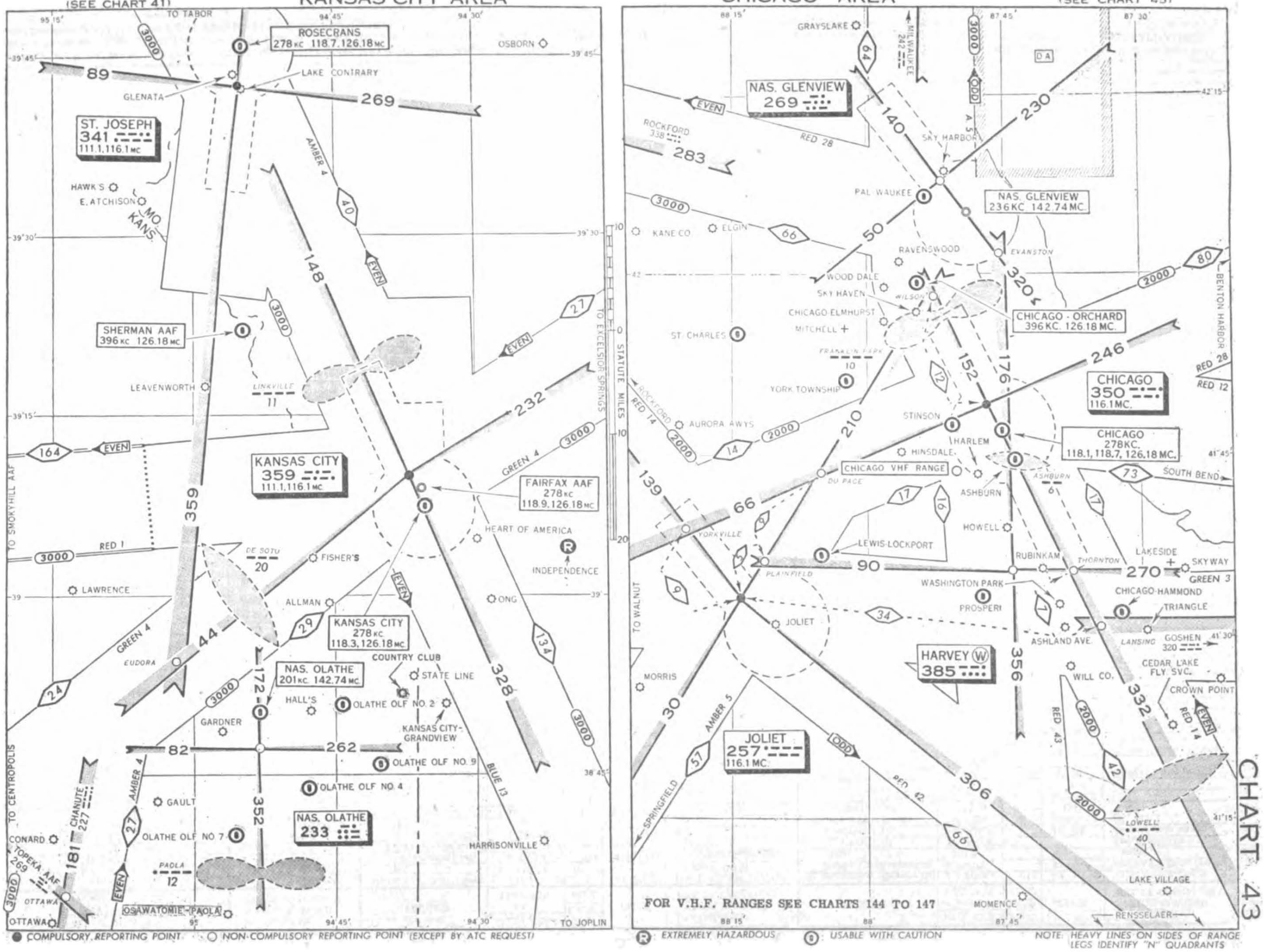
Triangle (Dyer, Ind.)	1.5 NE; RR E	630	33 S4	80,91 oct.
Lakeside (Gary, Ind.)	7.5 W		35 S4	73,80 oct. Data unver.
East Atchison (Rushville)	4.5 SW; riv W	790	24 S2	80 oct. N, NNW blkd. Use strips only. (Mo)
Glenota (St. Joseph, Mo)	6 WSW; riv N	800	26 S2	80 oct. N, E, W blkd. Use strips only.
Lake Contrary (St. Joseph)	6 SW; riv 2 N	800	21 S6	80 oct. Use strips only.
Lake Village (Ind.)	1 NW; hwy S	650	22 S4	80 oct.
Crown Point (Ind.)	2 N	650	27 S6	80 oct, Poles E, NE.
Stanley Co. Club (Kans)	2.5 NE; RR SE	975	28 S1	80 oct, Poles SE, SW.
Skyway (Gary, Ind.)	4 WSW; RR W	630	19 S2	80 oct, Wires SE, SW, NW.
Lakeside (Gary, Ind)	7.5 W		35 S4	73,80 oct, Data unver.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.65, 149.85 mcs. ◆ – A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) –►– New or revised data. [Jonet] – Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

KANSAS CITY AREA

CHICAGO AREA



● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 43

CHICAGO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
➙ Albertus (Freeport,Ill)	3.8 SE;RR S	740	32 S6	73,80 oct.Smudge pots emerg
Aretz (Lafayette,Ind)	4 NE	500	35 S6	80 oct.Data unver.
Attica (Ind)	2.5 SSE;hwy W	647	26 S2	80 oct. P-line W.
Bellevue (Iowa)	3 N;RR W	652	19 S1	80 oct.
BENDIX Tower (Ind)	278 (118.3)		C	(4); 118.3,122.5
[Bendix](South Bend, Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct.P-line E,S.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct.Port rnwy lgts.
BRADFORD H Fac.(Ill)	382 (MQ)		MHT	(4)
* Bradford Int,29,KC-CG (Ill)	4.5 NNE	795	26 L3 S1	80 oct.P-line SW,NE.
Chain Lakes (South Bend, Ind)	5.2 W;hwy N,S	765	22 S3	80 oct.
Champaign (Ill)	2 NNW;hwy SW	753	28 S6	73,80 oct. W,NW,S blocked.
CHANUTE Army Range (Rantoul) (Ill)	365 (DNU)	43°,3.3	SBMRAZ	(3); 126.18
CHANUTE Tower (Ill)	396(126.18)+		CA	(3); 126.18
(A) Chanute AAF (Rantoul, Ill) (A)	1 SE;RR W	738	63h L5 S6	73,91,100oct.JP-1, Pole N
Cheever (Demotte,Ind)	3 W		29 S1	80 oct. Data unver.
CHICAGO Range (Ill)	350(CG)(116.1)	152°, 2.2	SBRAZ-DTXV	(3); 116.1
CHICAGO Tower (Ill)	278 (126.18, 118.7,118.1)		AC(ILS)	(4); 126.18,118.7,118.1, 122.5 (GCA test basis)
[Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
City (So.Haven,Mich)	4 S;RR W	640	35 S2	80 oct. Trees sur fld.
Clearview (Earlville)	3 E;hwy S		18 S1	80 oct.Data unver.(Ill)
Clinton Fly.Club(Ill)	4.8 NE	720	13	
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct.No sto.Port rnwy lgts SE,SW,NW.
Cooper (Tuscola,Ill)	1.6 SW;RR E	650	24 S6	73,80 oct.P-line N,NE.
Cork (Marshfield,Ind)	2 NW	640	24 S2	80 oct.P-line N.
Cram (Davenport,Ia)	2.5 NW;RR SW	646	21 S6	80,91 oct.
Crown Point (Ind)	2 N	650	27 S6	80 oct.No sto.Poles E,
Culver (Ind)	2 E;lake W	815	26	NE
Danville (Ill)	2.4 SSW;hwy W	640	33 S6	80,91 oct.N blkd.P-line N,NE.Hedge SW
Decatur (Ill)	4 NW	678	29 S6	80,91 oct.P-line S,SW, W, NW.
(P) Decatur Park (Ill)	4 E;RR,hwy S	679	53h L5 S6	80,91 oct.No flood lgts
Dixon (Ill)	1.9 ESE;RR S	786	30 L1 S6	80,91 oct Appchs blkd except E, NW.
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct. Trees E. (Ill)
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct.Fld lgts prior req. E blkd.
Gamble (Hobart,Ind)	1.8 NNW;hwy S	650	25 S6	80,91 oct.P-line E,NE
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct.P-line E,SE, S, W, SW.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58,142.74
GLENVIEW Nas Tower (Ill)	236 (142.74, 140.58)		CN	(3); 140.58; 3117.5 on req.
(N) Glenview NAS (Ill)(N)	1.6 NW;RR W, E	654	63h L3 S6	91,100 oct.No sto.
Gordon (New Carlisle)	2.8 ESE;RR N	730	13 S1	Fuel avail.Poles E.(Ind)
Halsmer (Lafayette,Ind)	3 ESE;RR S	595	40 L S6	80,91 oct.Port lgts on req.
Hamilton (Polo, Ill)	2.3 NE	795	25 S3	80 oct.P-line N. E blocked.
HARVEY Range (Rubinkam)(Ill)	385 (GH)	90°, 2.2	MLWZ	
Highland (Perrysville)	2.8 WNW	585	23 S2	Ltd 73 oct (Ind)
Hi-Way (Piatt, Ill)	1 NE	630	25 S4	Data unver.
(P) [Hulman](Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct.No sto.Fld lgts prior req.
➙ Illini (Urbana, Ill)	2 NNE;hwy E	740	26 S6	80 oct.Flares on req. E,SE blkd.Trees E,SE, NE.
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7, (Exper. GCA)
(P) Indianapolis (Ind)	8 SW;hwy N	796	53h(L6) S6	73-100 oct.Exper lgts
Interstate (De Kalb,Ill)	1.8 E;RR W	900	34h	CLOSED.
Jasper Co.(Rensselaer, Ind)	1.5 WNW; hwy S	676	32 L3 S4	80 oct.
JOLIET Range (Int.)(Ill)	257(JO)(116.1)	126°, 3.7	SBRAZ-DTV	(4);116.1,122.1
Joliet, 22, LS-CG (Ill)	5 W;riv W	586	30h L4 S4	80,91 oct.Flood lgts prior req after 2400.
Kankakee (Ill)	3.2 WSW; hwy E	625	26 S4	73,80 oct.Use strips only.Ditch N.
Ind.) Kentland (Goodland,	4 WNW	650	25 S4	80 oct.P-line NE.
Kingman Fly Svc.(Ind)	0.5 E;hwy N	710	26 S4	80 oct.No sto.Data ver.
➙ Kishwaukee (Sycamore, Ill)	2.5 SW;riv N, S, E	830	20 S6	80 oct.P-lines
LAFAYETTE Range (Purdue Univ.) (Ind)	227 (LF) (116.1)	50°, 2.4	BMLZ-DTV	(4); 116.1
La Porte (Ind)	2.5 SSW;RR W	801	29 L3 S6	80 oct.S&SW blkd.
Lockwood (Frankfort, Ind)	2.5 S;RR W	873	20 S6	80 oct.E,SE blkd.
Logan (Logansport,Ind)	7 S	594	15 S1	80 oct.P-line S.
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct.No sto. Appchs blocked, except SW. Port lgts prior req.
McCOOL H Fac.(Int)(Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
➙ Machesney,7,CG-Twin Cities (Rockford,Ill)	6 NNE;riv NW	732	29 L3 S6	80,91 oct.E blkd.P-lines SE,S.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct.N,NE blkd. P-line E,SE.
Matanzas (Havana,Ill)	4 S;riv W	480	24 S6	80 oct. Data unver.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Medbery (Armington)	1 NE	650	26	Data unver. (Ill)
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct.P-line S,W.
Midway (Goshen,Ind)	5 NW		36	Data unver.
MOLINE Range (Ill)	224(MO) (116.1)	142°, 12.0	SBRAZ-DTV	(4); 116.1,122.1(ILS)
MOLINE ARPT Range (Ill)	278	86°, 2.3	ML	3105 (on req)
(P) [Moline] (Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct.100 oct.for Army. Poles NW.
Monticello (Chalmers, Ind)	3 ENE;RR W	650	19 S2	80 oct. Hwy W.
Morton (Groveland)	0.5 NNE;hwy N	792	24 S2	80 oct.P-line N,W.(Ill)
Mt. Hawley (Peoria,Ill)	6.4 N;RR SW	700	28 S6	80,91 oct.P-lines SE,S, SW
➙ Ockley (Ind)	1 W			ABANDONED.
Ottawa (Ill)	Adj NW		22 S2	80,91 oct. Data unver.
Paul S. Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S4	80,91 oct. P-line NE, SW.
Pecatonica (Ill)	1 N;hwy E	750	24 S6	73 oct. P-line E.
Pekin (Ill)	4 S;bet RRs	505	29 S6	80 oct.P-line W,N,E.
PEORIA Range (Ill)	356 (PI)	178°, 2.2	SBMRAZ-DT	(4)
(P) [Peoria] (Ill)	4.8 WSW rd E.	659	44h L5 S6	80,91 oct.Fld lgts on req
➙ Phil-Larry (Roanoke, Ill)	See Fash under "New Facilities"			- name changed.
(P) Plymouth (Ind)	1.5 NW;RR E	898	32 S4	80,91 oct.Poles W,E.
Port O'the Woods (Annapolis,Ind.)	2.2 NNW	560	33 S4	80 oct.Trees E,NE,WS\
➙ Powell Brothers (Sheldon, Ill)	2.2 S;hwy NE			ABANDONED.
Princeton (Ill)	3 N;creek N		18 S2	80 oct. Data unver.
Reimer (Lafayette, Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver.
ROCKFORD Range (Machesney)(Ill)	338 (RD) (116.1)	45°, 1.7	SBRAZ-DTV	(4); 116.1
(P) Rubinkam (Harvey,Ill)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W
Russell's (Hoopeston, Ill)	6.5 WNW; RR S		13	PRIVATE.Data part. unver.
➙ St. David (Ill)	1.5 SW;RR N			ABANDONED.
Sandwich (Ill)	1 W;RR N		18 S4	80 oct. Data unver.
SOUTH BEND Range (Bendix)(Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3); 116.1
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
Springfield (Ill)	3.5 SW; bet RRs	606	31 S6	80,91 oct.Use strips.
Stair (Mulberry, Ind)	0.3 NE;hwy S	650	16 S4	80 oct.No sto. P-line S. Data unver.
Starke Co.(Knox,Ind)	1.7 S		26 S3	80 oct.P-lines surfld No sto.
➙ Sterling (Ill)	1.4 NW; hwy E	645	26 S6	80,91 oct.P-line SE.
Stockton (Ill)	2.3 SSE	940	18 S1	80 oct. Data unver.
Streator Air Svc.(Ill)	2 ENE;hwy S	650	26 S4	80 oct. P-line E.
Triangle (Dyer,Ind)	1.5 NE;RR E	630	23 S4	80,91 oct.P-line S,SE. Bldg W.
Triangle Air Service (Wellsboro, Ind)	2 NNE; hwy S	800	23 S2	80 oct.
Twin Cities-Ross (Benton Harbor,Mich)	1.5 NNE; RR S	649	38h S6	80 oct. Poles E.
(P) University of Illinois (Champaign, Ill)	5.5 SSW; RR E	752	53h S6	80,91 oct. Flares on req.
Urschell (Valparaiso, Ind)	1.7 NNE; hwy E	766	26 S2	80 oct. P-line N.
* Van Orin Int, 34, OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vermillion (Danville, Ill)	4 E;RR N, SW	650	21 S4	80 oct.30' poles S.
Vogel (La Salle, Ill)	6.5 NNW; RR E	664	26 S2	80,90 oct.Soft when wet Poles N, W.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LC LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CHICAGO	109.9	333.8	132°	MM- •—•— (0.79)	OM- ——(5.8)
				MMK- 201 •••	OMK-219 •—••
MOLINE	110.3	335	131°	MM- •—•— (0.71)	OM- ——(4.4)
				MMK-	OMK
				MM-	OM-
				MMK-	OMK
				MM-	OM-
				MMK-	OMK-

NEW FACILITIES

Milford (Ill)	0.5 N; RR E	670	29 S5	80,91 oct.Tank ESE.
Kentfield (Kentland,Ind)	2.4 SSE;RR W	720	22 S4	80 oct.Poles N,NE,SW,W.
Starke Co. (Knox,Ind.)	0.9 S;hwy E	714	29 S6	80 oct.P-lines NE,SE,SW,NW
Mid-City(Mich.City,Ind)	3S	650	26 S4	80 oct.Wires N,S.Data unver.
Stewart Fld.(Danville,Ind)	1.5 E	750	25 S1	80 oct.Wires N,S.Data unver
Elnora (Ind.)	.25 SE		18 S1	80 oct.P-lines N.Data unver.
Boswell (Ind.)	1.3 ENE;hwy W	740	19 S1	80 oct.P-line SW,W,NW.
Fair Acres(Buck Creek,Ind)	0.3 ESE;RR N	595	24 S2	80 oct.P-line NE,SE,NW.
Skyway(Tolleston,Ind.)	4.5 N	630	18 S1	80 oct.Trees NE.Wires SE,NW
Kellerman Fld(N.Judson,Ind)	1.5 S;hwy E	650	17 S1	80 oct.Wires SE.Trees N.
Sharon(Treemont, Ill)	1 SE;RR,hwy N	631	21 S6	80 oct.P-line NE.
Lincoln Fly.Svc.(Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N.
Jackson (Francesville,Ind.)	4.8 WSW	675	19 S2	80 oct.
Sycamore (Ill.)	1.4 ESE;riv W	800	25 S6	80 oct.Poles N,SE,NW.
➙ Midway (Horace,Ill)	1 E;hwy E	650	26 S6	80 oct.P-line N,E.
Galveston (Ind)	3.2 WNW	795	37	
Fash (Roanoke,Ill)	4 W	747	26 S6	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII).
➙ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

CHICAGO 45

Q: DIRECTLY HAZARDOUS

USABLE WITH CAUTION

CHART 29

ROCKFORD 338 116.1 MC.

MOLINE 224 116.1 MC.

MOLINE 278 KC. On request

BRADFORD 382 On request

PEORIA 356

BURLINGTON 326

NAS. GLENVIEW 269

CHICAGO VHF RANGE

CHICAGO 350 116.1 MC.

CHICAGO 278 KC. 118.1, 118.7, 126.18 MC.

HARVEY (W) 385

JOLIET 257 116.1 MC.

SOUTH BEND 215 116.1 MC.

SO. BEND VHF RANGE

BENDIX 278 KC. 118.3 MC.

MCCOOL (W) 359

GOSHEN 320

CHANUTE AAF 365

CHANUTE AAF 396 KC. 126.18 MC.

LAFAYETTE 227 116.1 MC.

SPRINGFIELD 239

INDIANAPOLIS 278 KC. 118.7, 126.18 MC.

FOR DETAILS IN THIS AREA SEE CHART 43

FOR DETAILS IN THIS AREA SEE CHART 39

FOR DETAILS IN THIS AREA SEE CHART 143

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

VARIATION 5° E TO 1° E

ST. LOUIS 41 | LOUISVILLE 59

MILWAUKEE 31

DETROIT 33

INDIANAPOLIS 47

ST. LOUIS 41

TO BURLINGTON

TO JERSEYVILLE

TO FORT WAYNE

TO UNION

STATUTE MILES

NON-COMPULSORY REPORTING POINT

COMPULSORY REPORTING POINT

FOR V.H.F. RANGES SEE CHARTS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adrian City (Adrian)	3 SW;RR N	800	25 S6	80,91 oct.Obsts sur fld
ARCHBOLD H Fac.(Ohio)	371 (YV)		MHW	(Cont.) (Mich)
* Archbold Int,18,CG-LG	3.5 NNW;RR N	716	28 L3	(Ohio)
Attica (Ind)	2 S;hwy W	647	26 S1	80 oct.Data unver.
Auburn (Ind)	1.3 NNW;RR E	872	27 S6	80,91 oct.P-lines E,W Soft when wet.
BAER Tower (Ft.Wayne)	278		C	(4)
(A) [Baer](Ft.Wayne,Ind)	7.5 SSW; RR E	798	63h L5 S4	91 oct.100 oct.Army Fld lgts prior req.
BENDIX Tower (So.Bend)	278 (118.3)		C	(4); 118.3,122.5
[Bendix](So.Bend,Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct.P-line E,S
Black Hawk (Sheridan)	5.3 N;hwy E	925	17 S2	80 oct. (Ind) NE,ESE
Bluffton-Wells Co.	2,8 WSW;RR S	820	32 S4	(Bluffton,Ind.)80 oct.P-line
(P) Bricker (Bowling Green)	1 NE;RR W	675	30 S6	(Ohio)80,91 oct.P-line NE, E,S,SW
Bringham(Portland,Ind)	1.5 E;RR E	1020	20	Poles S;120'tank SW
Bryan-Defiance Mem'l (Defiance, Ohio)	5.2 NW;riv E	705	31 S2	73,80 oct.P-line S,E.
(N) Bunker Hill NAS (N)	1.8 W;hwy E	798	50h	INACTIVE. (Ind)
Cadet (So.Bend,Ind)	6.5 NE;RR E	730	26 S4	80 oct.SE,E,SW,S blkd.
Cass Co.Memorial (Dowagiac,Mich)	1 NW	750	31 S4	80 oct.P-lines E,NE S blocked.
Cedar Lawn (Kenton)	2.3 S;RR E	975	18 S2	80 oct.Poles E.(Ohio)
Chain-O-Lakes (So Bend	5.2 W ;lk SW	765	21 S6	80 oct.P-line N,NW.(Ind)
Cheever(Demotte,Ind)	3 W		29 S1	80 oct.Data unver.
CLINTON CO.AAF Range	114.3 (DWO)		VARW	(8-1630 Mon.-Fri)
CLINTON CO. Army H Fac. (Ohio)	201	220° 0.2	MHW	(8-1630,Mon.-Fri.or on 30 min.notice)
CLINTON CO.Tower (O) (Wilmington, Ohio)	272(126.18, 137.88)		CA(ILS-W) (GCA)	(3);126.18,137.7,116.1
(A) Clinton Co.AAF (Wilmington, Ohio) (A)	2SE;hwy NE	1062	60h L5 S1	73,91,100 oct.JP-1. Rnwy lgts 1 hr's notice
* Coldwater Int,4,DY-GO	2 NW;crk NW	898	33 L3	(Ohio)
Coons(Nevada,Ohio)	0.3 NE;RR S		21 S2	80 oct Data unver.
Cork[Marshfield,Ind)	2 NW	640	24 S2	80 oct.P-line N,
Coxey's (Winchester, Ind)	1 ESE	1088	16 S6	80 oct P-line S,SW Stacks NW
Crabill (Sprl ngfld,Ohio)	2.5 SE;RR E	1040	29 S6	80 oct.P-line S.
Culver (Ind)	2 E;lk SW	815	23	Use strips only
Dahlo (Dayton,Ohio)	8.5 W;hwy S	925	37 S4	80 oct.
DAYTON Range (Ohio)	245 (DY) (116.1)	90°, 3.2	SBMLZ-DTV	(3); 116.1
DAYTON Tower (Ohio)	278 (126.18, 118.9)		AC (ILS)	(4):122.5,126.18,118.9
(P) [Dayton] (Ohio)	10 N;hwy E	1007	55h L6 S6	80,91,100 oct.
Dr.Haines (Three Rivers, Mich)	See Haines under "New Facilities"- name changed.			Poles N (Ind)
E.Richmond (Richmond)	3.7 ESE;RR E	1090	20 L S6	80 oct.Flares on req.
Elkhart (Ind)	2.7 NNW;	752	30 S6	hwy 1 E 80,91 oct. Trees N,
Elwood (Ind)	2 S;hwy NW	861	23 S6	80 oct.P-line S, NE,SE,NW.
FINDLAY H Fac.(Ohio)	209 (JF)		BMHT	(4) (cont)
Findlay (Ohio)	1.5 SSW	800	27 L4 S4	80 oct. Obst sur fld.
FORT WAYNE Range (Ind) (Baer Field)	251 (FW) (116.1)	51°, 3.3	BMRLZ-DTV	(4);116.1,122.1
Franklin (Toledo,Ohio)	4.5 WNW	630	32 S4	80 oct.Poles sur fld.RR S
Gamble (Hobart.Ind)	1.8 NNW; hwy S	650	25 S6	80.91 oct.P-line NE,E
Gary (Ind)	6 S;hwy W	610	23 S6	80,91 oct.P-line E,SE,S.
Gordon (New Carlisle, Ind)	2.8 ESE; RR N	730	13 S1	Fuel avail. SW,W Poles E.
GOSHEN Range (Ind)	320 (GO) (116.1)	90°, 2.7	SBRAZ-DTV	(4);116.1,122.1
(P) Goshen (Ind)	4.5 SSE	823	39 L3 S6	80,91 oct.P-line S,SE,SW
Grieser (Wauseon,Ohio)	2.5 E;RR N	750	24 S1	80 oct. Rivs.
Grimes (Urbana,Ohio)	1.5 N;RR W	1055	35 L4 S6	80,91 oct.Fld lgts prior
Haismer (Lafayette,Ind)	3 ESE;RR S	595	40 L S6	80,91 oct.Port lgts on req. req. P-line SW.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW
Highland (Perrysv'l,Ind)	2.8 WNW	585	23 S2	Ltd 73 oct.
Hightman (Lebanon,Ohio)	3 E;RR W	880	16 S1	80 oct. Trees W,E.
Hillsdale (Mich)	1.6 NW;RR E	1160	19 S4	80 oct.Poles NE.
Hi-Way(Decatur,Ind.)	1.5 SW		25 St	
(P) Hulman (Terre Haute, Ind)	5 ESE hwy N	585	53h L5 S4	80,91 oct.No sto.Fld lgts prior req.
Huntington Mun.(Ind)	2.5 SSE;riv S	825	22 S4	73 oct.P-line W,NW.
INDIANAPOLIS Range(Ind)	266(ID)(vhf))	75°,3.3	SBRAZ-DTV	(3);116.1,122.1

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
INDIANAPOLIS Tower	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7 (Exper. GCA)
(P) [Indianapolis](Ind)	8 SW;hwy E	796	53h (L6) S6	80-100 oct Exper lgtg.
Jasper Co.(Rensselaer)	1.5 WNW	676	32 L3 S4	80 oct.Hwy S. (Ind)
Kendallville (Ind)	2.2 N;hwy W	996	25 S4	80 oct.No sto.P-line SW.
Kentland(Goodland,Ind.)	4 WNW	650	25 S4	80 oct,P-line NE. S.
Kingman Fly Svc.(Ind)	1 ESE;hwy N	710	20 S4	80 oct.P-line N,NE,E.
Kirsch (Sturgis,Mich)	1 NW;RR E	922	24 S4	80 oct.Poles S,E.Use strips only.
Kokomo,mun.(Ind)	4.7 NE	827	40h L5 S2	80 oct.P-line N.Lgts
LAFAYETTE Range	227 (LF)	50°,	BMRL-	(4); 116.1 prior req.
(Purdue Univ.)(Ind)	(116.1)	2.4	DTV	
Lakeview (Montezuma)	1 SW;hwy W	895	24 S2	80 oct.Pole N.(Ohio)
Lansdowne (Greenville) Ohio)	2 ESE;RR N	1208	19 S6	80 oct.Bldgs,hi-line N. Data unver.
La Porte (Ind)	2.5 SSW	801	29 L3 S6	80 oct S&SW blkd.RR W
Legg (Coldwater,Mich)	1.5 NW	982	32 S4	80 oct. Trees E.
Lima (Ohio)	4 WNW	830	26 S6	80,91 oct.P-line N.RR
Lockwood (Frankfort,	2.5 S;RR W	873	20 S6	80 oct.E,SE blkd. NE.
Logan (Logansport) (Ind)	7 S	594	15 S1	80 oct.P-line S. (Ind)
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct.No sto.Appchs blkd except S,SW.Port lgts prior req.
Manchester (No.Manchester, Ind)	1.5 W;RR E	752	20 S2	80 oct. Poles S.
Marion (Ind)	3.8 SSW; hwy E	832	24 L S6	80,91 oct.P-line NE,E Port lgts on req.
Marion (Ohio)	2.5 WNW	915	28 S2	80 oct. RR S.
McCOOL H Fac. (Ind)	359 (ML)		MHW	Oper. cont.
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct. Data unver.
Mettel (Connersv'l,Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
Meyers (Ft.Wayne,Ind)	3 SSE;rd S,E	800	24 S6	80,91 oct.Pwrline NE.
(P) Miami Univ.(Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N,NW.
Mid City(Mich.City,Ind)	3 S	650	26 S4	80 oct.Wires N
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct.P-line S,W.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E,SW.
Midway (Goshen,Ind)	5 NW		36	Data unver.
Midway (Lewisburg)	3.4 WSW;RR E	1090	26 S4	80 oct.Trees W.(Ohio)
Monticello(Chalmers)	3 ENE;RR W	650	19 S2	80 oct.Hwy W. (Ind)
Monroe (Newport,Mich)	3.5 SSE;lk SE	590	29 S4	80 oct.Trees NE,SE,SW
(P) Muncie (Ind)	3.5 N;RR SW	950	32h L4 S6	80,91 oct.Lgts on req.
National Avia.(Toledo, Ohio)	4.1 NNE;	595	38 S6	80,91 oct.P-line NE,E, S,SW,W.
New Westville (New Paris, Ohio)	2.8 S;RR S	1180	21 S1	80 oct.Poles E,NW,SE.
Niles (Mich)	1.5 NE;RR NW	740	28 S2	80,91 oct.P-line NE,N
No.Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	No sto.Poles S. blkd.
Ockley (Ind)	1 W			ABANDONED.
PATTERSON Army Range (Fairfield)(Ohio)	379 (DPK) (137.88)	32°, 2.96	SBMRAZ-DTV	(4);137.88
PATTERSON Tower	396(126.18, 137.88) +		CA(ILS-W) (GCA)	(4);126.18,137.88
(A) Patterson (Fairfield)(A)	1.6 WSW	819	78h L6 S4	73,100 oct JP-1.(Ohio)
Paul S.Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S6	80,91 oct.P-line NE,SW
Paulding (Ohio)	1.8 NE;RR 2 W	720	25 S4	80 oct.S blkd.
Peru (Ind)	3.5 WSW	650	24 S6	80 oct.S,SW blkd Riv E
Piqua (Ohio)	4 WNW;RR S	1000	19 S2	80 oct.Poles S,SE,SW.
(P) Plymouth (Ind)	1.5 NW;RR E	898	20 S6	80,91 oct.N,SE appch
Port Core (Rushsylvania, Ohio)	1.6 SSW; RR NW	1275	14	Poles NNE clear.
Port Koneta (Wapakoneta, Ohio)	2,1 NNE;RR E	900	24 S6	80 oct,SW,W,NW blkd.
Port O'the Woods (Annapolis, Ind)	2.2 NNW creek N	560	33 S4	80 oct.Trees ENE,WSW
(P) Purdue Univ.(Lafayette, Ind)	2.5 W;RR N	605	35h L3 S6	80 oct.No sto.P-line N, stack NE.
Reimer (Lafayette,Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver.
Richmond,com. (Ind)	4 WSW;hwy N	1075	38 L1 S6	80,91 oct.P-line N,E.
(P) Richmond,mun.(Ind)	6 SSE;RR W	1139	55h L5 S1	80,91 oct.No flood lgts.
Rochester (Ind)	1.5 E;RR N	779	25 L S6	80,91 oct.Poles SE,NW,N.
Ruzicka (Kokomo,Ind)	2.5 S;hwy E	800	26 S6	80,91 oct.Pole E,NE blkd.
St.Joseph Co.(Centerv'l)	5 SE;RR N	830	26	P-line N,NW blkd.(Mich)
Shaffer's (Ne Fontaine)	5 NE;hwys N,W		19 S4	80 oct.Data unver.(Ind)
NEW FACILITIES				
Galveston (Ind)	3.2 WNW	795	37	
Putnam (Ottawa,Ohio)	1 ENE			

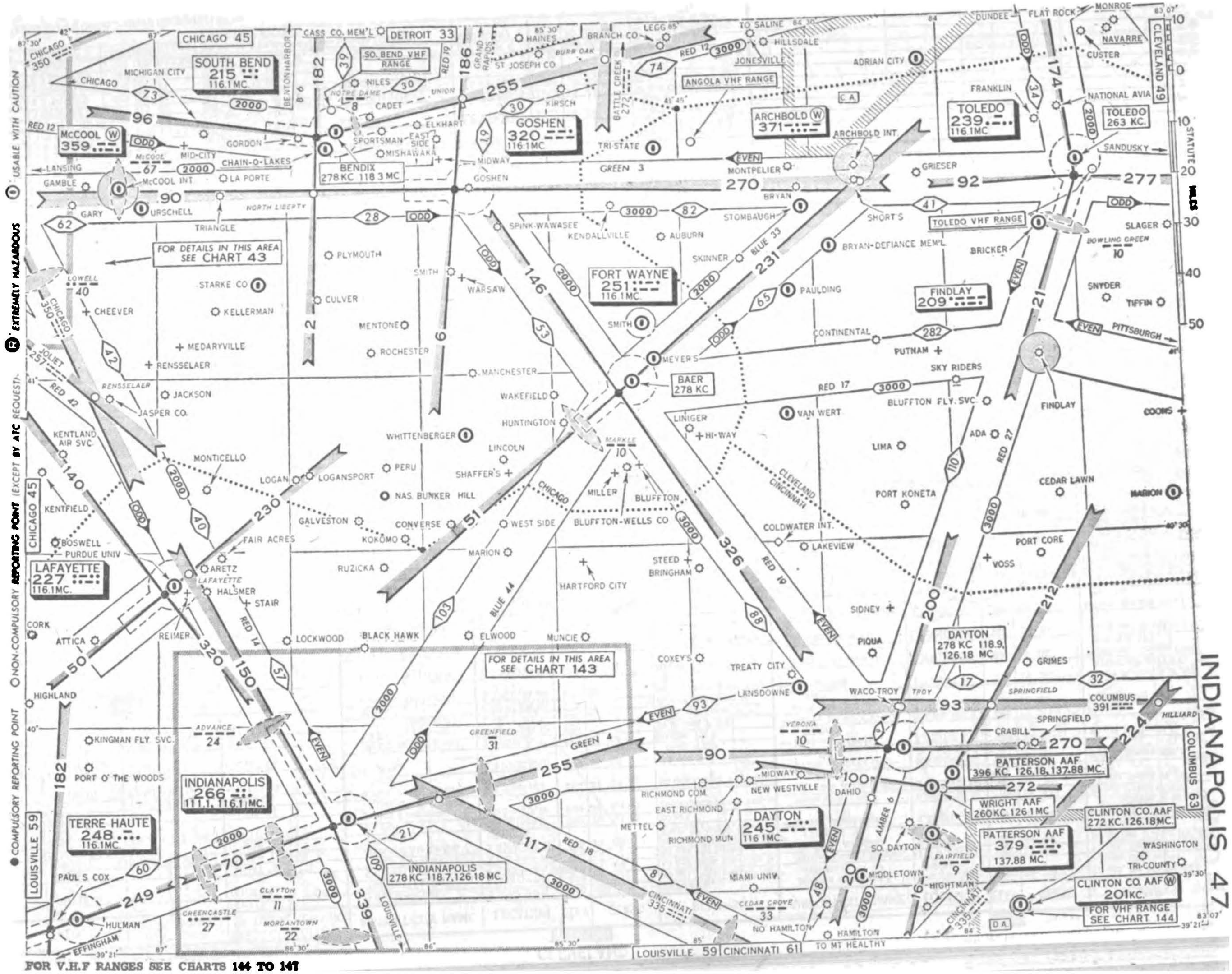
FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Sidney (Ohio)	1 W;RR S		25 S2	80 oct. Data unver.
Skinner (Hicksv'l,Ohio)	1.6 NNW	810	26 S1	73 oct.Obsts sur fld RRS
Slager (Fremont,Ohio)	2 NW;RR SW	630	24 S6	80 oct.
Smith (Ft.Wayne,Ind)	4.5 N;bet RRs	831	35h L4 S6	80,91 oct.Lgts N,E,SE. prior req.
Smith (Warsaw, Ind)	4 N	790	27 S2	80 oct.P-line NE,SSW.
SOUTH BEND Range (Bendix) (Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3);116.1,122.1
So.Dayton (Dayton,O)	5 SSW;RR W	750	32 S6	80 oct.No sto.Hills S.
Spink-Wawasee (Syracuse, Ind)	3.4 E	880	15 S1	80 oct. P-lines N,NE,S, SW.
Sportsman (Mishawaka)	3.7 NE;riv S	760	13 S4	80 oct.Appchs blkd exc. N,NW.
Springfield (Ohio)	4.2 ESE: RR N	1050	27 L4	80 oct.No sto. (Ind.) Lgts prior req.
Stair (Mulberry,Ind)	0.3 NE;hwy S	650	16 S4	80 oct.No sto.P-line S.
Starke Co.(Knox,Ind)	1.7 S	714	26 S3	80 oct.P- Data unv. lines sur fld.No sto.
Steed (Portland,Ind)	1.5 NW;hwy E	1000	24 S4	80 oct.P-line N,NE.
Stombaugh(Bryan,Ohio)	0.5 S		24 S4	80 oct.No sto.Fence E; wire W.Data unver.
TERRE HAUTE Range (Hulman)(Ind)	248 (TH) (116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Tiffin (Ohio)	1.9 N;RR W	750	26 S4	80 oct.Poles E.
TOLEDO Range (Ohio)	239 (TL) (116.1)	10°, 2.7	SBMRAZ-DTV	(3); 116.1
TOLEDO Tower (Ohio)	263		C	(4)
(P) Toledo (Ohio)	8.2 SSE;RR W	623	42h L5 S6	80,91 oct.P-line SW,E.
Treaty City (Greenv'l)	1.5 NNE	1060	20 S4	80 oct.P-line W.(Ohio)
Triangle (Wellsboro)	2 NNE;hwy S	800	23 S2	80 oct. (Ind) Hwy W
Tri-Co.(New Holland)	3 ESE;RR N	850	21 S1	80 oct. (Ohio)
(P) Tri-State (Angola,Ind)	4.2 W;lk W	900	35 S4	80,91 oct.P-line SE,S,SW
Urschell(Valparaiso)	1.7 NNE;hwy E	766	26 S4	80 oct.P-line N.(Ind)
Waco-Troy(Troy,Ohio)	1.8 SW;RR E	870	30 S6	80 oct.No sto.All appchs
Van Wert (Ohio)	1 WSW;hwy S	785	26 S6	80,91 oct.Poles blkd. N,S,NW,NE.
Voss(Lewistown,Ohio)	5 WNW;hwy S		24 S2	80 oct.P-line S.Data unv.
Wakefield(Huntington)	4 N;hwy E	750	30 S4	80 oct.P-lines SE,SW.(Ind)
Washington(Wash.C.H.)	4.5 ENE;RR S	910	22 S3	80 oct.P-line S.(Ohio)
West Side (Marion,Ind)	2.5 NW;hwy S	835	26 S6	80, 91 oct.
Whittenberger(Wabash)	1.5 NNW	770	20 S2	80 oct. Hwy E. (Ind)
WRIGHT Tower (Ohio)	260 (126.1)		CA	3105,4495; 126.1
(A) Wright (Dayton, Ohio)	5 ENE;RR	800	72h L5	(A)

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs

LOCATION	LC/LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM- OM-
					MMK- OMK
DAYTON	110.3	335	60°	IM-	MM- (0.66) OM- (4.4)
					MMK- OMK
INDIANAPOLIS(L6)	109.9	333.8	44°	IM-	MM- (0.89) OM- (4.3)
					MMK-201 OMK-219
PATTERSON (A)	108.7	333.8	210°	IM- (0.06)	MM- (1.12) OM- (4.5)
					MMK, OMK,

NEW FACILITIES

Mishawaka(Ind)	2 SE	700	35 S4	80,91 oct.NNE/SSW.
East Side(Elkhart,Ind)	2.5 E;RR N	750	28 S1	80 oct. NNW/SSE blkd.
Kentfield (Kentland,Ind)	2.4 SSE;RR W	720	22 S4	80 oct.Poles N,NE,SW,W.
Starke Co.(Knox,Ind)	0.9 S;hwy E	714	29 S6	80 oct.P-lines SW,NW,NE,
Custer(Monroe,Ind)	2.5 WNW	612	40 L1 S2	80 oct.Trees N,W,S. SE.
Branch Co.(Coldwater,Mich)	2.7 WSW;RR S	990	31 S4	80oct.Hi-lines sur fld. Data
Miller(Liberty Ctr,Ind)	1 NE	800	21 S4	80 oct.Data unver. unver
Warsaw (Ind)	3 NNE		30 S1	80oct.Wires S,N,NE Data
Stewart(Danville,Ind)	1.5 E	750	25 S2	80oct.Wires N,S unver.
Skyway(Tolleston,Ind)	4.5 N Griffith	630	18 S1	80oct.Trees NE;wires SE,
Boswell (Ind)	1.3 ENE;hwy W	740	19 S1	80 oct.P-line SW,NW.Data unv
Fair Acres(Buck Crk,Ind)	0.3 ESE;RR N	595	24 S2	80oct.P-line NE,W,NW.
Elnora (Ind)	0.4 SE		18 S1	80oct.P-lines N,SE,NW.
Ada (Ohio)	1.5 NNW;hwy E	945	22 S4	80 oct. Data unver.
Bluffton Fly Svc. (Ohio)	1.3 ESE;hwy N	845	20 S4	80 oct. W blkd.
Liniger(Preble,Ind)	0.8 ESE;hwy N	750	24 S3	80 oct.P-line NE,SW,W.
Hartford City (Ind)	1.5 W	910	18 S1	Wires N.Data unver.
Kellerman (N. Judson,Ind)	1.5 S;hwy E	650	17 S2,	80 oct.Wires SE,
Snyder (Fostoria,Ohio)	1.5 ENE;RR S	762	26 S4	80,91 oct.W blkd.
Mentone (Ind.)	2 SW	800	22 S4	80 oct.P-line S,
Lincoln Fld. (Dora,Ind.)	3 SSW;hwy S	830	21 S1	80 oct.P-line E,
Short's (Archbold,Ohio)	1.2 WNW;RR SE	728	20 S2	80 oct,S blkd.
Bryan (Ohio)	2.8 N;RR SE	810	38 S1	80 oct,S,SW blkd.P-line W,
Continental (Ohio)	2 S;RR NW	726	35 S1	80 oct,N,E,W blkd.
Jackson (Francesville,Ind.)	4.8 WSW	675	19 S2	80 oct.
Haines (Three Rivers,	2.3 NE;riv SE	820	26 S2	80 oct.N,E,S blkd.(Mich)
Jonesville (Mich.)	2.5 WSW; lakes S	1070	22 S2	80 oct.Trees SE P-line NE.
Sky Riders Inc (Pandora)	0.7 W;RR S	770	22 S2	80 oct.P-line SE,NW.(Ohio)
Montpelier (W.Jefferson,	0.8 NW;RR N	890	24 S2	80 oct,P-line N,NE,W.(Ohio)
Navarre (Woodland Peach, Mich)	2 WSW;RR W	580	30 S6	80,91 oct.P-line NE,SE,S.


INDIANAPOLIS 47
CHICAGO 45
DETROIT 33
CLEVELAND 49
SOUTH BEND 215 116.1MC.
SO. BEND VHF RANGE
GOSHEN 320 116.1MC.
ANGOLA VHF RANGE
ARCHBOLD 371
TOLEDO 239 116.1MC.
TOLEDO 263 KC.
McCOOL 359
BENDIX 278KC 118.3MC.
TOLEDO VHF RANGE
FORT WAYNE 251 116.1MC.
BRYAN-DEFIANCE MEM'L
FINDLAY 209
BAER 278 KC.
LAFAYETTE 227 116.1MC.
INDIANAPOLIS 266 111.1, 116.1 MC.
TERRE HAUTE 248 116.1MC.
INDIANAPOLIS 278 KC. 118.7, 126.18 MC.
DAYTON 278 KC. 118.9, 126.18 MC.
DAYTON 245 116.1MC.
PATTERSON AAF 396 KC. 126.18, 137.88 MC.
WRIGHT AAF 260 KC. 126.1 MC.
CLINTON CO. AAF 272 KC. 126.18 MC.
PATTERSON AAF 379 137.88 MC.
CLINTON CO. AAF 201 KC.
FOR VHF RANGE SEE CHART 144
FOR DETAILS IN THIS AREA SEE CHART 43
FOR DETAILS IN THIS AREA SEE CHART 143
CHICAGO 350
CLEVELAND 339
LOUISVILLE 59
CINCINNATI 61
CINCINNATI 335
COLUMBUS 391
COLUMBUS 63
PITTSBURGH
MICHIGAN CITY
GARY
GOSHEN
ELKHART
NILES
CASS CO. MEM'L
BENTON HARBOR
HAINES
ST. JOSEPH CO.
BRANCH CO.
LEGG
TO SALINE
HILLSDALE
JONESVILLE
ADRIAN CITY
DUNDEE
FLAT ROCK
MONROE
NAVARRE
CUSTER
NATIONAL AVIA
FRANKLIN
SANDUSKY
GRIESER
MONTPELIER
BRYAN
STOMBAUGH
SHORT'S
SLAGER
BOWLING GREEN
BRICKER
SNYDER
TIFFIN
PAULDING
CONTINENTAL
PUTNAM
SKY RIDERS
FINDLAY
BLUFFTON FLY. SVC.
VAN WERT
LINIGER
HI-WAY
ADA
LIMA
PORT KONETA
CEDAR LAWN
MARION
PORT CORE
VOSS
COLDWATER INT.
LAKEVIEW
SIDNEY
PIQUA
GRIMES
WACO-TROY
TROY
SPRINGFIELD
CRABILL
HILLIARD
COOMS
WASHINGTON
TRI-COUNTY
MIDDLETOWN
HIGHTMAN
SO. DAYTON
FAIRFIELD
AMBER
NEW WESTVILLE
MIDWAY
DAHIO
RICHMOND COM.
EAST RICHMOND
METTEL
RICHMOND MUN
MIAMI UNIV.
CEDAR GROVE
NO. HAMILTON
HAMILTON
TO MT. HEALTHY
TREATY CITY
LANSDOWNE
COXEY'S
HARTFORD CITY
STEED
BRINGHAM
MUNCIE
ELWOOD
BLACK HAWK
LOCKWOOD
REIMER
ATTICA
CORK
HIGHLAND
KINGMAN FLY. SVC.
PORT O' THE WOODS
PAUL S. COX
HULMAN
EFFINGHAM
GREENCASTLE
CLAYTON
MORGANTOWN
KENTFIELD
KENTLAND AIR SVC.
BOSWELL
PURDUE UNIV.
LAFAYETTE
ARETZ
HALSMER
STAIR
FAIR ACRES
MONTICELLO
LOGANSPORT
LOGAN
PERU
NAS. BUNKER HILL
GALVESTON
CONVERSE
KOKOMO
RUZICKA
MARION
WEST SIDE
SHAFFER'S
LINCOLN
WHITTENBERGER
HUNTINGTON
WAKEFIELD
MANCHESTER
ROCHESTER
MENTONE
CULVER
PLYMOUTH
WARSAW
SMITH
KENDALLVILLE
SPINK-WAWASEE
AUBURN
SKINNER
MEYERS
SMITH
BAER
MILLER
BLUFFTON
BLUFFTON-WELLS CO.
MARKLE
CHEEVER
STARKE CO.
KELLERMAN
MEDARYVILLE
RENSSELAER
JACKSON
JASPER CO.
LOWELL
JOLIET
GAMBLE
LANSING
McCOOL INT.
LA PORTE
MID-CITY
CHAIN-O-LAKES
GORDON
SPORTSMAN
EAST SIDE
MISHAWAKA
NOTRE DAME
CADET
KIRSCH
UNION
MIDWAY
TRI-STATE
BATTLE CREEK
GRAND RAPIDS
BURR OAK
ARCHBOLD INT.
TRIANGLE
URSCHELL
NORTH LIBERTY
ADVANCE
GREENFIELD
SPRINGFIELD
VERONA
CRABILL
GRIESER
SHORT'S
BRYAN
MONTPELIER
GOSHEN
MIDWAY
SPORTSMAN
EAST SIDE
MISHAWAKA
ELKHART
CADET
KIRSCH
UNION
NOTRE DAME
NILES
BURR OAK
HAINES
ST. JOSEPH CO.
BRANCH CO.
LEGG
TO SALINE
HILLSDALE
JONESVILLE
ADRIAN CITY
DUNDEE
FLAT ROCK
MONROE
NAVARRE
CUSTER
NATIONAL AVIA
FRANKLIN
SANDUSKY
SLAGER
BOWLING GREEN
BRICKER
SNYDER
TIFFIN
PITTSBURGH
PAULDING
CONTINENTAL
PUTNAM
SKY RIDERS
FINDLAY
BLUFFTON FLY. SVC.
VAN WERT
LINIGER
HI-WAY
ADA
LIMA
PORT KONETA
CEDAR LAWN
MARION
PORT CORE
VOSS
COLDWATER INT.
LAKEVIEW
SIDNEY
PIQUA
GRIMES
WACO-TROY
TROY
SPRINGFIELD
CRABILL
HILLIARD
COOMS
WASHINGTON
TRI-COUNTY
MIDDLETOWN
HIGHTMAN
SO. DAYTON
FAIRFIELD
AMBER
NEW WESTVILLE
MIDWAY
DAHIO
RICHMOND COM.
EAST RICHMOND
METTEL
RICHMOND MUN
MIAMI UNIV.
CEDAR GROVE
NO. HAMILTON
HAMILTON
TO MT. HEALTHY
TREATY CITY
LANSDOWNE
COXEY'S
HARTFORD CITY
STEED
BRINGHAM
MUNCIE
ELWOOD
BLACK HAWK
LOCKWOOD
REIMER
ATTICA
CORK
HIGHLAND
KINGMAN FLY. SVC.
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KENTFIELD
KENTLAND AIR SVC.
BOSWELL
PURDUE UNIV.
LAFAYETTE
ARETZ
HALSMER
STAIR
FAIR ACRES
MONTICELLO
LOGANSPORT
LOGAN
PERU
NAS. BUNKER HILL
GALVESTON
CONVERSE
KOKOMO
RUZICKA
MARION
WEST SIDE
SHAFFER'S
LINCOLN
WHITTENBERGER
HUNTINGTON
WAKEFIELD
MANCHESTER
ROCHESTER
MENTONE
CULVER
PLYMOUTH
WARSAW
SMITH
KENDALLVILLE
SPINK-WAWASEE
AUBURN
SKINNER
MEYERS
SMITH
BAER
MILLER
BLUFFTON
BLUFFTON-WELLS CO.
MARKLE
CHEEVER
STARKE CO.
KELLERMAN
MEDARYVILLE
RENSSELAER
JACKSON
JASPER CO.
LOWELL
JOLIET
GAMBLE
LANSING
McCOOL INT.
LA PORTE
MID-CITY
CHAIN-O-LAKES
GORDON

CLEVELAND

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS OF OPER., REMARKS
BISHOP (Flint)	278	C	(4);118.3,122.5
DETROIT CITY (Detroit)	278(118.5)	C	(4);122.5
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
DETROIT	338 (D)	MHW;329°,2.2	(Cont.) Detroit
FLINT	335(FN)(116.1)	MHTV	(3);116.1
ROMULUS	230(DT)(116.1)	SBRAZ-DTV;86°, 2.8	(3); 116.1
SAGINAW	212 (SI)	MHT	(4) (cont.)
SALINE FM	(- - -)	FM, 261°, 20	Romulus
SELFRIDGE (Mt. Clemens)(Army)	386 (DLD)	SBMRAZ;119°,2.0	(3); 126.18
Selfridge Field	396 (126.18, 137.88) +	CA(ILS-W)	(3);137.88
WIXOM FM	341 (DYP)	FM;344°,20	Romulus
WILLOW RUN (Ypsilanti)	332(118.7)	C(ILS-W)	(4);118.7

OHIO

AKRON	362(AX)(116.1)	BMRLZ-DTV	(3); 116.1
Akron Airport	272(118.9)	C; 45°, 0.4	(4);122.5,118.9
AKRON LFM	(-)	LFM, 45°, 4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM, 201°, 10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°, 13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-DTXV; 100°, 0.7	(4);116.1
ELYRIA FM	(- - -)	FM, 290°, 10.9	Cleveland
FINDLAY	209 (JF)	BMHT	(4) (cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4) (cont.)
HOMERVILLE FM			DECOMMISSIONED
NORTH ROYALTON LFM	(- -)	LFM,145°, 10.8	Cleveland
PERRY (Int.)	332(PE)(116.1)	MHTV	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-DTV	(3); 116.1
Toledo Airport	263	C; 10°, 2.7	(4)
VERMILION FM	(. . - - -)	FM; 280°, 26	Cleveland

CANADA

WINDSOR, ONT.	353(QG)	SBRAZ-T;243°,3.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SELFRIDGE (A)	109.5	332.6	184°	IM- (0.23)	MM- ····· (0.63)	OM- —·· (4.31)
					MMK-	OMK-
WILLOW RUN			50°	IM-	MM-	OM-
					MMK 341 — (0.65)	OMK 355 · — — (5.80)
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul Range and Voice, W-Without Voice; Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A C S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW, blkd.
Ann Arbor	4 S	835	28 L3 S6	80 oct. NE blkd. SW
Baker's (Port Huron)	3 NNW; 13 NNE	585	27 S6	80 oct. Poles N,S,NE,
Berz(Birmingham)	1.5 E;RR SW	700	32 S2	90,91 oct. N blkd.
Big Beaver	0.8 E;hwy W	650	21 S6	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW;RR NW	781	50h R2 L5 S5	80,91 oct. P-line N
Burns (Detroit)	8.5 WSW;RR N	625	15 S6	80 oct. SW blkd.
Caro	3 WSW;RR SE	741	22 S2	80 oct. S,SE blocked.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct. Pole line N
Croswell City	1 W;RR,riv E	732	26 S1	80 oct. S blocked.
Dalton (Flushing)	2.2 E;riv SW	735	26 S4	80 oct. N,S, blkd.
(N) Detroit NAS (N)	17 SSW	594	47h R1 L5 S6	91,100 oct. P-line E.
DETROIT CITY	5.5 NE;RR S	625	53h R1 L4 S6	80,91 oct. Fee, com acft ARPT OF ENTRY.
Ford (Detroit)	8.8 SW;RR N	600	37h	PRIVATE.
Forrest (Fostoria)	3.4 S;riv SE	830	24 S1	80 oct. Poleline sur fld.
Gridley (Ypsilanti)	4.4 WSW;RR NW	840	24 S5	80 oct. Pole E; woods N.
Hance (Wyandotte)	2.5 W;hwy N,E	590	28 S6	80 oct. N blkd.
Hartsell Air Term. (Wayne)	3.5 NW;RR E	675	18 S6	80 oct. P-line E, trees ENE, W, WSW, WNW
Howell	0.8 N;lake E	930	20 L1 S1	80 oct.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct. Bcn prior req.
Krist-Port (Farmington)	3.8 N;jct rds	860	27 S6	80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE;RR S	830	34 S6	80 oct. Poles NW; bldg W,SW.
McEnnan (Ypsilanti)	2.7 SSW;rd E	738	23 S4	80 oct. Rd S.
McKinley (Fraser)	1.3 NW;RR E	620	27	Pole line E,NE.
Mettetal (Plymouth)	1.5 SSE;RR E	700	23 S6	73,80 oct. Poles N.W.
Milan	3.8 SW;RR SE	705	23 S2	80 oct. Poleline N
Monroe (Newport)	3.5 SSE;lk SE	590	29 S4	80 oct. Trees NE,SE, SW.
Nan-Bar (Flat Rock)	1 ENE;RR N	590	26 S4	80 oct. P-line NE,E.
Nat'l Flying Service (Detroit)	11.5 WSW;RR N	635	29 S4	80 oct. Poles NE,NW.
(N) Newport OLF (N)	3 W;hwy E	608	20h	
Pontiac	6.4 WNW	970	21h L4 S6	80,91 oct.
(NG) Romulus AAF (A)	See Wayne Co. under "New Airports" - name changed.			
Roseville	0.5 S;hwy W	610	31 S6	80 oct. SE,SW blocked
Saginaw	4.5 E;RR N	601	33 R1 L4 S4	80,91 oct. Poles S,SE,SW
St. Clair Co. (Port Huron)	5.5 SW;hwy S	650	23 L1 S5	80 oct. Poles NE,SE,SW,NW Lgts on req.
Seely's (Davison)	4 WSW;RR N	780	20 S6	80 oct. N,NE blocked.
(A) Selfridge (Mt. Clemens)(A)	3 E;lake NE	583	60h R3 L5 S6	73,100 oct. JP-1. Poles E. FOREIGN CLEAR STATION.
Skyhaven (Saginaw)	2 NNW;riv E	600	29 S2	80 oct. Trees NE.
Stinson (Wayne)	1.4 SW;RR E	664	25h	P-line NNE. PRIV.
Tecumseh	1.8 NNE;riv SW	815	26 S6	80 oct. P-line S. Wblkd
Thomas B. Joy (Detroit)	See Joy under "New Airports" - name changed.			
Triangle (Plymouth)	1.5 ESE;hwy S	700	26 S4	80 oct, 30 poles N.
Warren	1.6 WNW;RR E	625	23 S1	73 oct. Pole line N.
Washtenaw (Ann Arbor)	5 W	867	26 S2	80 oct. Hi-line S. Data unver.
West's (Clio)	4 SW;rd E	690	21 S2	80 oct.
(P) Willow Run (Ypsilanti)	4 E;RR N; riv S	715	74h R2 L5 S1	90,100 oct. Rdo rec required.
Wings (Utica)	2.5 SW;RR E	630	23 S1	73 oct. N,NE blocked.

OHIO

(P) AKRON	3.4 SE;RR W	1042	14h R2 L5 S6	80-100 oct. P-line SW; hills SE. ARPT ENTRY
Ashland	1.8 N;hwy W	1079	28 S4	80,91 oct. Poleline W
(P) Bricker (Bowling Green)	1 NE;RR W	675	30 S6	80,91 oct E blocked P-line NE,E,S,SW
Coons (Nevada)	0.3 NE;RR S		21 S2	80 oct. Data unver.
Fenwick (Kellys Island) (NC)	1.3 NE bay N	600	15	W blkd, trees S. Rough.
Findlay	1.5 SSW	800	27 R1 L5 S4	80 oct. Hwy NW.
Franklin (Toledo)	4.5 WNW;	630	32 S6	80 oct Pole line all sides.
Gage (Mansfield)	4.5 W;RR S	1360	13 S6	80 oct. Trees E.
Galion	1.5 WNW	1155	18 S2	80 oct. RR SE
* Hayesville Int, 27, LV-CV	2.5 WNW; hwy E	1300	30 R1 L3	
Hinde (Sandusky)	2.8 E;RR S	574	30 S6	80 oct. P-line SE,S. ARPT OF ENTRY.
Kent State	2.8 W;RR S	1120	36 S4	80 oct. No sto. Pole line N.
Ling (Barberton)	3 WSW;RR,8 N	1150	30 S4	80 oct. Obsts sur fld
McKinley (Canton)	2.3 NE;hwy SE	1100	28 S2	80 oct. P-line E,SE.
Mansfield	3.6 N;RR E	1300	56h S6	80,91 oct.
Martin (Canton)	4 NNE;hwy SE	1080	30 L S6	80 oct. Flood lgts on req. P-line W,NW; ridge SE.
Medina Prichard (Medina)	3 WNW;RR NW,SE	1060	29 S6	80 oct. No sto. Poles S. Rnwy data unver.
Miller (North Benton)	1.5 W;RR SE	1070	28 S4	73 oct. Poles S.
National Aviation (Toledo)	4.1 NNE;	595	38 S6	80,91 oct. P-line NE,E,S, SW, W
Noble (Massillon)	4.5 NNE;	1080	29 S4	80 oct. No sto. P-line SW, W. [Const. E W rnwy
Norwalk	0.8 NE;RR W	700	18 S2	80 oct. Poles W,SW,
Norwalk Airpark (NC)	2 NNE;RR W	690	29 S6	80 oct. Poles W,SW.
Parks Airpark (Norwalk)	4.5 S;hwy E, W	880	28 S2	80 oct. House NE,E.
Peninsula (Port Clinton)	3.5 E;RR S	587	36 L3 S1	80 oct. P-line N,S.
* Perry Int, 4B, CV-AZ	2.3 NE;RR S	692	26 R1 L3	Poles E.
Port Bucyrus (Bucyrus)	2 S;RR NW,E	1000	26 S6	80 oct. Poles E.
Put-In-Bay	1.2 SSW	590	14 S2	80 oct. P-line N,W,NW ARPT OF ENTRY.
Slager (Fremont)	2 NW;RR SW	630	19 S6	73,80 oct. No sto. Pole line N,E,SE.
Snyder (Fostoria)	1.5 ENE;RR S	762	26 S4	80,91 oct. W blkd.
Taylorcraft (Alliance)	2.5 NNE; hwy E	1080	22h S5	80 oct. No sto. Poles sur fld.
Tiffin	1.8 N;hwy E	750	26 S6	80 oct. Poles E.
(P) TOLEDO	8.2 SSE;RR W	623	42h R2 L5 S6	80,91 oct. P-line SW,E
Wellington	Adj NW;RR W	850	20 S2	80 oct. Stacks NE. Data unver.
Westfield (LeRoy)	1.2 SSE;RR E, S	1030	25 S4	80 oct. Pole line W. Rnwy data unver.
Willard	1.6 SSW;RR NE	960	29 S6	80 oct. Poles S,W.
(P) Wooster	3 NNE;hwy SE	1150	32 S6	80 oct. Poles S,SE,

NEW AIRPORTS

Akron-Canton, (Ohio)	See Akron-Canton Arpt-Co. Fld under "New Arpts"			
(NG) Wayne Co. (Detroit, Mich) (NG)	16 SW;RR N	630	61h R1 S3	100 oct. I-ech maint NG ARPT OF ENTRY.
Lodi (Ohio)	2.2 NE;hwy E	1135	25 S4	80 oct. Poles W, bldg NE
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW.
Akron-Canton Arpt-County Fld (Canton,	8.5 NNW;RR 1W	1247	56h L6 S1	80,91 oct.
Newton Falls (Ohio)	2 SW;RR E	950		
Tuttle Fld (North Madison, Ohio)	2.2 NW;lk N	625	16	80 oct, N blkd, P-line S.
Whiteley (Alliance, Ohio	2 ESE;RR W	1065	18 S1	80 oct, N, S blkd.
Marlette (Mich)	1.3 N;hwy W	825	18 S1	80 oct. Trees S, NW.
Daunet (Fenton, Mich)	1.5 N;lk W	890	26 S1	80 oct. P-line W, NW.
Motor City Sky Park (Flint, Mich)	3.7 E;RR S	765	21 S1	80 oct. Trees NE, NW.
Flat Rock (S. Rockwood, (Mich)	2.8 W;hwy W	600	24 S4	80 oct. P-line NW.
Navarre (Woodland Beach, Mich)	2 WSW;RR W	580	30 S6	80,91 oct. P-line NE,SE,S

B-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

CLEVELAND 49

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON EDGES OF BLOCKS INDICATE U.S. BOUNDARIES.

DETROIT AREA

DETROIT 33
JAMES CLEMENTS
SKYHAVEN
SAGINAW
SAGINAW 212
CARO
MARLETTE
CROSWELL CITY
MICH. D.A.
FLINT 335 (116.1)
FORREST
DALTON'S
WEST'S
BISHOP 278 (118.3)
On request
MOTOR CITY
SEELY'S
LAPEER
BAKER'S
ST CLAIR CO MUN.
MICH. CAN.
ALLEN'S
CENTER
OXFORD
SELFRIDGE AAF 388
PONTIAC
SELFRIDGE AAF 396 (126.18, 137.88)
HIGHLAND
HOWELL
WIXOM
ROMULUS 230 (116.1)
WASHTENAW
ANN ARBOR
GRIDLEY
McENNAN
SALINE
EGORSE
FLAT ROCK
WILLOW RUN 332 (118.7)
NAN-BAR
GROSSE ILE NAS 269 (142.74)
MILAN
DUNDEE
TECUMSEH
CUSTER
MONROE
NEWPORT OLF
NATIONAL AVIATION
MICH. OHIO
FRANKLIN
TOLEDO 263
OHIO 6 D.A.
PUT-IN-BAY
PENINSULA
MITCHELL BAY
CHATHAM
WINDSOR 353
CLEVELAND V H F RANGE
VERMILION
ELYRIA
SANDUSKY
HINDE
BRICKER
BOWLING GREEN
SLAGER
TOLEDO 239 (116.1)
NORWALK
TOLEDO V H F RANGE
PARKS
SNYDER
TIFFIN
FINDLAY
WELLINGTON V H F RANGE
WILLARD
MANSFIELD
RED 17
FINDLAY 209
ADA
BLUFFTON FLY. SVC.
GAGE
PORT BUCYRUS
GALION
COLUMBUS 63
COLUMBUS 391
HAYESVILLE
HAYESVILLE 329
TO NEWARK
TO PITTSBURGH
TO WELLSBURG
TO FORT WAYNE
TO TROY
TO ARCHBOLD
TO LANSING
TO BURR OAK
TO ERIE
TO YOUNGSTOWN
BUFFALO 51
CLEAR CREEK 248
ERIE 371
AMBER 6
RED 20
RED 59
RED 1
RED 12
RED 21
RED 27
GREEN 2
GREEN 3
BLUE 11
BLUE 15
WIXOM 20
CLEAR CREEK 248
CAN. OHIO
TUTTLE
On request
PERRY 332 (116.1)
PERRY
FOR DETAILS IN CLEVELAND AREA SEE CHART 141
CLEVELAND 344 (116.1)
AVON LAKE
BRECKSVILLE
NORTH ROYALTON
PARKMAN
NEWTON FALLS
KENT STATE
AKRON 362 (116.1)
AKRON 5
MILLER
TAYLORCRAFT
WHITELEY
AKRON-CANTON
McKINLEY
NOBLE
MARTIN
CLEVELAND
PITTSBURGH
AKRON 272 (118.9)
WESTFIELD
LODI
LING
MEDINA
PRICHARD
ASHLAND
WOOSTER
DETROIT CITY 278
DETROIT (W) 338
BIG BEAVER
McKINLEY
BERZ
KRIST-PORT
WARREN
THOMAS B. JOY
ROSEVILLE
WINDSOR
METTETAL
TRIANGLE
BURNS
NATIONAL FLY SVC.
HARTSELL AIR TERM
FORD
STINSON
HANCE
WAYNE CO
ROMULUS 230 (116.1)
SCALE OF MILES
42°35'
42°30'
42°15'
42°07'
83°30'
83°15'
83°
82°55'
82°30'
84°
40°40'

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

BUFFALO

FACILITY	FREQ., IDENT, ARPT LOCATION	BEAR. & DIST, ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS OF OPERATION
Albert (Wallaceton,Pa)	3 ENE;rd N	1750	38 S5	80 oct.P-line surfld. except W.
Angola (N.Y.)	1.4 N;RR SE	610	15 S1	80 oct
Arcade (N.Y.)	2 N;RR E,W	1740	22 S4	Ltd 80 oct. No sto.
← Ashtabula (Ohio)	3.1 W;lake N	621	17 S6	80,91 oct.Soft when wet.
Audubon (Getzville, N.Y.)	1.7 SSW;RR N,SW	580	19 S6	80 oct
(P) Batavia (N.Y.)	2.4 NNE;rd W	910	30 S6	80 oct.P-line W Trees E.
Becker (Brockton, N.Y.)	0.7 S;RR S	320	15	
Bernard (Youngstown, Ohio)	3.4 E;lake NE	1140	28 S6	73,80 oct.P-line N,S,W.
Bird (Youngstown, Ohio)	2.6 NE;RR W	1060	23 S4	80,91 oct. P-line W, N.
Braebreeze (Marchand, Pa)	0.3 N;RR NW	1600	18 S2	80 oct. Trees N,NE
Brockway (Pa)	1.3 NE	1700	18 S2	80 oct.Trees SE,NW
Brokenstraw (Youngsville,Pa)	2.6 W;RR S	1230	19 S6	80 oct.P-line NE,SW,WSW
BROOKVILLE H Fac. (Pa)	391(BR)(116.1)		MHT	(4);116.1 Manned 7-23
* Brookville Int,45A,CG-LG (Pa)	2 WSW;RR E	1416	30 L3	Trees E,W,SW.
Buffalo Arpk (Gardenville,N.Y.)	1.5 ENE;rd S	680	27 S6	80 oct
BUFFALO Range (N.Y.)	260(BI)(116.1)	230°, 0.9	SBRAZ-DTXV	(3); 116.1
BUFFALO Tower (N.Y.)	278 (126.18, 118.5)		AC(ILS-W)	(4); 126.18,122.5,118.5
(A) [Buffalo] (N.Y.)	6.1 ENE;RR N	711	56h L6 S6	80-100 oct;100 oct.Army. ARPT OF ENTRY.
Butler-Alameda (Butler, Pa)	3.4 WNW	1340	24 S6	80 oct. P-line E.
CLEAR CREEK Range (Ontario,Can)	248 (QO)		BRAZ-T	(4)
Clearfield (Pa)	1.5 WSW;RR SE	1220	20 S1	80 oct. P-line NE.
Conneaut (Ohio)	See Lakeville			
Conneaut Lake (Pa)	1.7 WSW;hwy SE	1250	19 S3	80,91 oct.P-line SE end.
Conway (Pa)	0.7 N	950	24 S4	80 oct Hill N Rnwy data
Country Club (Clarence,N.Y.)	2.3 E;RR S	800	36 L S6	80 oct. Trees SW unver. Port lgts on req.
County (No.Tonawanda,N.Y.)	3.4 E;RR SW	577	21 S4	80 oct
DUNKIRK H Fac. (N.Y.)	239(DK)(116.1)		MHTV	(4);116
(P) Dunkirk (N.Y.)	3 E;RR N,S	692	40h L5 S6	80, 91 oct.
Dubois (Pa)	1.7 ESE;RR NE	1575	30 S6	80, 91 oct P-line W.
ERIE Range (Port Erie) (Pa)	371(ER)(116.1)	64°, 2.0	SBMRAZ-DTV	(4); 116.1 (ILS-W)
Erie City (Kearsarge, Pa)	0.5 W;hwy E	900	29 L S6	80,91 oct.Port rnwy lgts. P-line SE.
Erie County (Erie, Pa)	11.6 SW;hwy N	805	24 S6	80 oct.P-line SSE,NW
Falconer (N.Y.)	1.3 NNE;RR S	1250	22 S4	80 oct Obsts sur fld.
Fredonia (N.Y.)	3.5 W;RR SE	620	26 S2	80 oct P-line N,E.
Gowanda (N.Y.)	1.4 NNW;crk W	760	22 S6	80 oct. No sto
Graf (Lockport, N.Y.)	2.8 N;RR S	380	15 S6	80 oct
Green (Ridgeway, Pa)	3 NW;hwy 1 E	1720	21 S1	80 oct.
Greenville (Pa)	3 W; RR E	1180	17 S2	80 oct. P-line S,SW.
Grove City (Pa)	2.1 SSE;RR E	1275	22 S6	80,91 oct.
← Hall (Warren, Ohio)	3.5 ENE;RR NW	900	26 S1	80 oct.Private.Poles E.
Hamburg Arpk(N.Y.)	2 NNW;RR,hwy W	722	23h S4	80 oct. P-line NE.
Harri-Emery (Bradford,Pa)	2.3 WSW;hwy N	1490	20 S4	80 oct.
Hayes (Blasdell, N.Y.)	0.7 SSE;RR,E,W			ABANDONED
Jamestown (N.Y.)	4.1 N;hwy E	1719	27h S6	80 oct. Trees S.
Keystone Park (Emporium,Pa)	0.5 SW	1210	15	P-line SW,NE
Kylertown (Pa)	1 WNW	1660	40 S6	80 oct. Trees N,WNW.
Lakeview (Burt, N.Y.)	2.2 W;RR S	300	13	
Lake View (N.Y.)	1.5 E;hwy W	750	19 S2	80 oct.
Lakeville (Conneaut, Ohio)	2 ESE;RR N	670	18 S4	80 oct.P-line N,NE,NW.
Lee (Lockport, N. Y.)	1.8 SSE;hwy N	640	18h S2	80 oct. P-line N.
(P) McKean Co. (Bradford, Pa)	11 S;RR SW	2140	45h S4	80,91 oct.
Medina (N.Y.)	2 W;RR S	500	21 S1	80 oct Obsts sur fld.
Mercer (Pa)	4.8 NNE;RR W	1300	22 L1 S6	80 oct.
Merry's Pymatuning(Linesv'l,Pa)	1.5 NW;RR E	1200	21 S2	80 oct P-line NNE.
MILBROOK Range (Pa)	109.1 (MC)		VARW	
Mount Jewett (Pa)	0.8 ESE;hwy N	2240	19 S2	80,91 oct Trees NE,W.
NIAGARA FALLS Tower (N.Y.)	272 (126.18)		C1	(4); 126.18,122.5(7-21)
(P) [Niagara Falls] (N.Y.)	4.5 E;hwy S	587	55h L5 S4	80-100 oct P-line E.
New Castle (Pa)	4 WNW;hwy SE	1080	29h S6	80,91 oct.
NEW FACILITIES				
Sharpsville Arpk (Pa)	3 ENE	1110	18 S2	80 oct.
Slyder's (Emporium,Pa)	4 ESE;RR 1.7 W	2000	20 S2	80 oct.
Olean (N.Y.)	1.8 SE;riv N	1440	30 S4	80,91 oct.Trees W,N;hills
Orchard Park (N.Y.)	2.2 N;hwys W	775	20 S3	80 oct.
Osceola Mills (Pa)	0.5 NE;hwy N	1640	26 S2	80 oct. P-line E.
Palmer (Olcott, N.Y.)	1.2 SSW;RR S	315	17 S2	73 oct. P-line E.
Parker Cramer (Clarion, Pa)	1 ENE;riv N	1480	28 S6	80,91 oct. Trees N,E,S.
Patterson (Beaver Falls,Pa)	1.5 S;riv SE	1020	27 S4	80 oct.
Penn-Mead (Meadville, Pa)	3 SSW;hwy E	1305	20 S2	73 oct
Pembroke Arpk(E.Pembroke,N.Y)	2.5 W;hwy S	900	17 S2	80 oct. Trees SW,W.
Penn-Mead (Meadville, Pa)	4 SW;hwy E	1365	20 S3	80 oct. Trees N,E,S,W.
Perry Central (N.Y.)	1.7 NNW;lk SSW	1400	23	P-line,trees N,E
Perry (Mars, Pa)	5 E;hwy E	1050	25 S6	80 oct N blocked.
PHILLIPSBURG Range (Pa)	224(MJ)(116.1)	169°,5.0	SBRAZ-DTV	(4); 116.1(Black Moshannon)
PHILIPSBURG Range (Pa)	108.7 (MJ)		VARW	
Philipsburg,51A,CG-LG (Pa)	See Black Moshannon,51A,CG-LG under "New Facilities" -name changed			
Pittsburgh-Butler (Butler, Pa)	6.2 SSW;hwy E	1235	40 L1 S6	80 oct. Flood lgts on req.
[Port Erie] (Erie, Pa)	6 WSW;RR SE	735	45h L6 S6	80,91 oct P-line E,S
Port Lawrence (Corry, Pa)	1.2 S,RR N	1745	23 S2	80 oct.Trees SE,W,NW.
Port Meadville (Meadville,Pa)	3.4 W;hwy S	1400	32h L4 S6	80,91 oct.Flood lgts on req.
Port Warren (Warren, Ohio)	1.5 N;RR W		24 S1	80 oct Data unver. [Trees
Punxsutawney (Pa)	3 NE;hwy 5 S	1470	22 S2	80 oct.P-line SSE,ESE,S,NE
Ripley (N.Y.)	1.4 WNW;lake N	650	22 S4	80 oct. No sto.
St. Mary's (Pa)	3.2 ESE;RR W	1900	21	
Salamanca (N.Y.)	1.6 W;RR, N,S	1370	12 S6	80 oct.
Scott (Lancaster, N.Y.)	1.5 E;RR N,S	680	22 S1	80 oct.P-line SW.Rnwy data
Shawnee (North Tonawanda,N.Y)	4.5 NNE;riv SE	580	33 S6	80 oct.P-line E,W. unver.
Sheridan (Williamsville, N.Y.)	2.5 NE;hwy SE	640	38 S6	80 oct. No sto.
Silver Creek (N.Y.) (NC)	1 WSW;hwy SE	720	11	Trees E,NW.
Silver Springs (N.Y.)	0.5 E;lake NE	1420	15 S1	80 oct.
Sky Harbor (Williamsfield,Ohio)	1 S;hwy E			ABANDONED.
Splane Memorial (Oil City, Pa)	4.1 NNW;hwy E	1490	22h S6 S4	80,91 oct. Trees N,E,S
Springville (N.Y.)	1.5 NE;RR W	1395	26 S4	80 oct.P-line N,E.Rnwy data unver.
Steffen (E. Amherst, N.Y.)	3.5 N	582	22 S6	80 oct. Obsts sur fld.
Swaney (E.Liverpool, Ohio)	4.9 NW;crk SE	1170	22 S2	80 oct.
Titusville (Pa)	3.7 WSW	1600	23 S6	80 oct.Pwr line E,NE.
Tonawanda (N.Y.)	3 SSW;RR E	610	30h S4	80 oct.Rough.Obsts sur fld.
TORONTO Range (Ontario,Canada)	368 (YZ)	17°, 4.0	SBRAZ-TX	3105,6210,3117.5
Transit (Depew, N.Y.)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Tyndall (Warren, Ohio)	6 NNW;RR E	940	28 L1 S4	80 oct. N,S,W blkd.
Utahville (Pa)	1 N;RR S	1900	22 S6	80 oct. Ltd 91 oct.
Warren (Pa)	2 WSW;RR N	1100	23h S6	80 oct. P-line WNW.
Warren Airways (Ohio)	2.3 WNW;hwy N	900	25 S4	80 oct.Trees S,WNW.
Watson (Youngstown, Ohio)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
Werle (Dunkirk, N.Y.)	1.8 ENE;RR N,S	640	22 S1	80 oct.Poles,trees sur fld.
Westfield (N.Y.) (NC)	1.5 WSW;hwy N	758	18	S blocked.
Wilson Flying Field (N.Y.)	2.5 SSW;RR NW	310	18	ESE blocked.
YOUNGSTOWN Range (Ohio)	212(CT)(116.1)	185°,3.4	BMRLZ-DTV	(3); 116.1
YOUNGSTOWN Tower (Ohio) [Youngstown] (Ohio)	270 11 N;hwy E	1178	C 39h L5 S6	(4) 80,91 oct.100 oct.on req.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide path in mcs, Compass Locator in kcs)

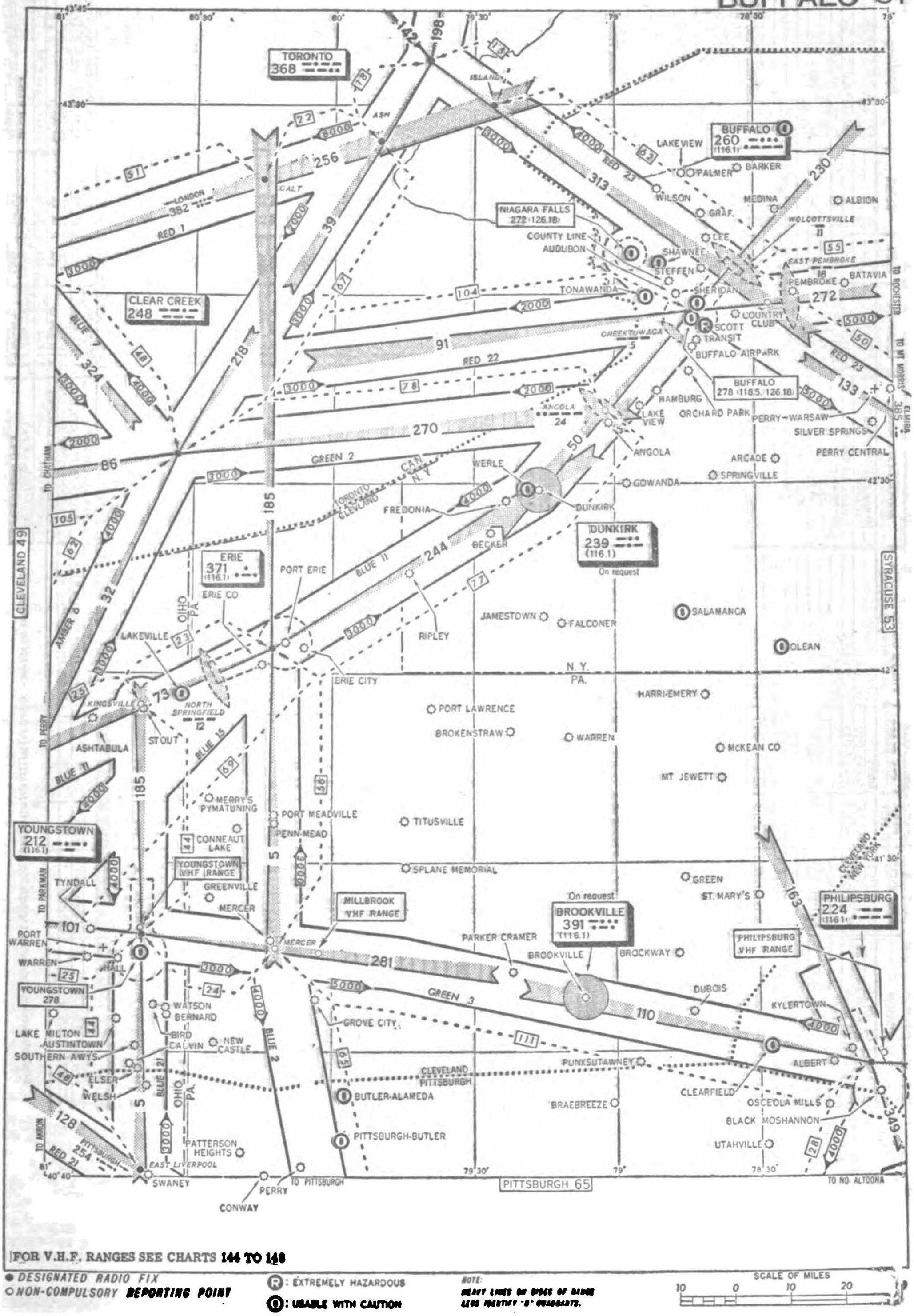
LOCATION	LCLZR.	G.P.	ARPT. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
BUFFALO	109.9	333.8	232°	IM-	MM- ·—·—(0.66)	OM- ——(4.20)	
					MMK-	OMK-201 ·—·—	
PORT ERIE	110.3	335	60°	IM-	MM- ·—·—(0.62)	OM- ——(4.35)	
					MMK-	OMK-	

NEW FACILITIES				
Lake Milton (Ohio)	0.4 W;lake E	950	17	Rough P-line NE,E.
Southern Airways(Woodsworth)	2.5 NNW;hwy N	1040	27 S4	80 oct.E blkd (Ohio)
Welsh Fly Svc.(No.Lima,Ohio)	2.4 S;hwy,lk E	1155	18 S1	80 oct. E blkd
Elser (No. Lima, Ohio)	1.2 NW;hwy E,S	1060	18 S1	80 oct. Trees E,W
Calvin (No. Lima, Ohio)	2.8 WNW	1165	23 S1	80 oct N,NNW,SSE blkd
Austintown (Ohio)	0.8 SSE;hwy N	1160	31 S4	80 oct E,W blkd
Perry Fly.Svc (N.Y.)(NC)	3.3 W;RR 3 W	1640	21	P-line NNE Reported ABAND.
← Perry-Warsaw (Perry, N.Y)	3 WNW;hwy N	1555	15 S2	80 oct.Data unver.
Brookfield (Ohio)	0.8 W;RR W			ABANDONED
Black Moshannon,51A,CG-LG	7 E;hwy N	1940	30h L3	(Philipsburg, Pa)
Stout(No.Kingsville, Ohio)	1 E;RR N,S	710	30 S2	80 oct N blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

BUFFALO 51



FOR V.H.F. RANGES SEE CHARTS 144 TO 148

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF BLUE AND GREEN AIRWAYS INDICATE "B" BOUNDARIES.

SCALE OF MILES
10 0 10 20

[redacted] NEW YORK

LOCATION	FREQ., IDENT	BEAR. & DIST	STA. CLASS	FREQS. GUARDED, HRS OF OPER, REMARKS
DANSVILLE MH Fac.	212(DA)(116.1)		MHTV	(4);116.1.Manned 7-23.
ELMIRA Range (Chemung Co.)	385 (EA)(116.1)	75°,1.8	SBRAZ-DTV	(4); 116.1
ROCHESTER Range	206 (RC)(116.1)	298°,2.2	BMRLZ-DTV	(4); 116.1
Rochester Tower	278		CI	3105, 4495 (8-24)
ROME AAF Tower	396 (126.18)+		CA	(4); 126.18 (8-22)
SYRACUSE Range (Mun.)	350 (SR)(116.1)	178°,2.2	SBRAZ-DTV	(3); 116.1
Syracuse Mun. Tower	278		C	(4)
TRI-CITIES Tower	278		CI	3105,6210 (days)
UTICA Range	359 (UA)(116.1)	151°,3.0	BMRLZ-DTV	(4); 116.1
[redacted] PENNSYLVANIA				
ALLENTOWN Range (Allentown-Bethlehem)	320 (XA)(116.1)	102°,2.7	SBMRAZ-DTV	(4);116.1,122.1
LAKE CAREY FM	(- - - -)	360°,20.0	FM	Wilkes-Barre
SLATINGTON FM	(- - - -)	250°,12	FM	Allentown
SUNBURY MH Fac.	353(SV)(116.1)		MHTV	(4);116.1
SUNBURY Range	108.3 (SV)		VARW	
WILKES-BARRE Range (Wilkes-Barre-Scranton)	272 (WT)(116.1)	91°,4.0	SBMRAZ-DTV	(4); 116.1
WILLIAMSPORT Range	375(IA)(116.1)	281°,7.0	BMRLZ-DTV	(4); 116.1
[redacted]				
WATERTOWN(N.Y)	109.1(WB)		VARW	
ALLENTOWN Range (Pa).				DECOMMISSIONED

S-Simul Range and Voice W-Without Voice. / VHF Range Station Location Marker. (3)-315, 4495, 6210 kcs, (4)-3105, 4495, 6210, 31175 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice +—Army ACS transmits on and guards 116.1, 133.98, 149.58 mcs.

AIRPORTS

NEW JERSEY

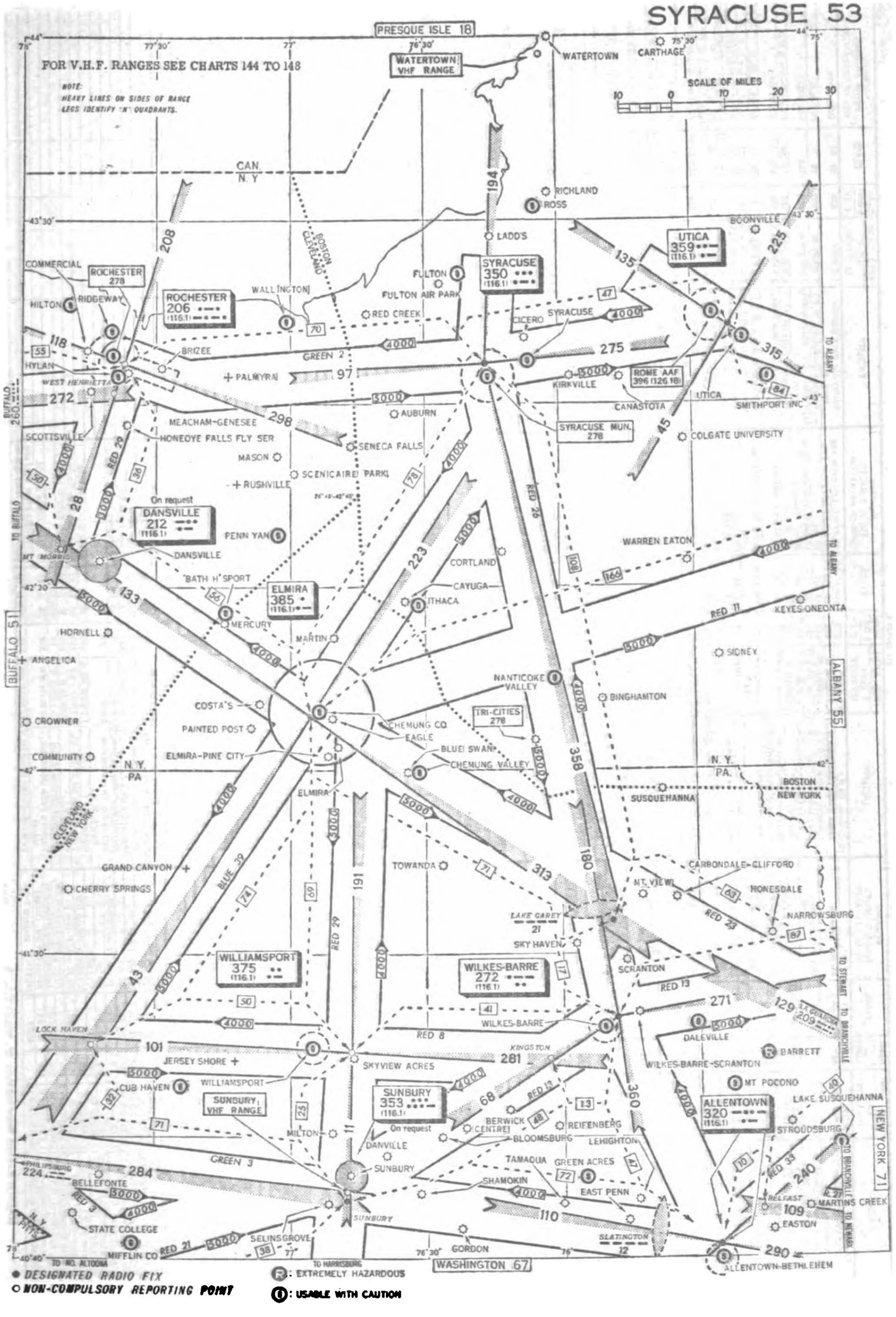
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct blkd.
Martins Creek (Belvidere)	3 SSW;riv SE	340	26 S6	80,91 oct P-line N,ENE,SE
NEW YORK				
Angelica	1.5 WSW;RR N		18 S1	80 oct Data unver
Auburn	3.7 NNW;lake E	525	24 S4	80 oct Poles,trees sur fld
Bath-H'sport	2 SSW;hwy SE	725	18 S1	80 oct Hill 0.6 E Data unver
Binghamton	7.2 NNE;RR NW	940	18 S2	80 oct Trees N
Bonnie Brae (Owasco) (NC)	1.7 SW;RR W	960	17	Cattle on fld.
Boonville	4.5 ESE;riv NE	1273	29 S1	80 oct Obsts sur fld
Brizee (Pittsford)	2 E; RR N	422	25 S4	80 oct Pole line S, NW
Canastota	1.3 WSW;RR N	540	22 L1 S1	80 oct
Carthage	1 E; RR NW	740	20 S1	80 oct Hi-line W
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1	80 oct Pole line E
(P) CHEMUNG CO. (Elmira)	6.5 NW;RR S	951	40h R1 L5 S4	80,91,100 oct
Cicero	0.5 NW;lake SW	416	21 S4	80 oct
Colgate University (Hamilton)	5.4 N; RR W	1178	25 S6	80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct Pole line W.
Community (Whitesville)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S
Cortland	1.8 WSW	1144	30 S6	80 oct Wooded ridge E
Costa's (Painted Post)	2.7 NW	960	16 S1	80 oct Trees W, NW
Crowner (Wellsville)	1 W; RR E	1506	22 S2	80 oct Obsts sur fld
(P) Dansville	1 NW; RR NE	662	40h L3 S6	80 oct Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1	80 oct Trees S,W.
Elmira	2 SSW;RR E	850	16	Trees adj NE,S
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14	Trees WSW.
Fulton	2.6 NNE;rd W	469	40h L2 S4	80 oct No sto Lgts prior req.
Fulton Airpark	0.5 W;riv E	360	20 S6	80 oct Brush WNW Rnwy data
Hancock (NC)	1.5 SSE;RR E	905	17	Hills SSE,NNW unver
Hilton	2.6 WSW;RR N	325	16 S1	80 oct. 3' fence E,S,SE
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4	80 oct. Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S,RRs N,S,W	525	27 S6	80 oct. Trees E
Ithaca	1.3 NW;inlet E	386	25h L1 S6	80,91 oct.
Keyes-Oneonta (Oneonta)	1.5 W	1009	27 S4	80 oct. Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1	80 oct. Pole line E.
Ladd's (Mexico)	9.6 W;RR N	383	20 S1	Ltd 73 oct.Pole line NE.
Martin (Montour Falls)	1 NE;RR W,E	460	13 S4	80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1	80 oct. Pole line S.
Meacham-Genesee (Rochester)	6 S; RR N	564	22 L S6	80 oct. Floodlgts in emerg.
NEW FACILITIES				
Palmyra Arpk (N.Y.)	1 N		24 S4	80 oct.Data unver.
Blue Swan (Sayre,Pa)	2.7 WNW;riv E	800	29 S6	80 oct.Trees ESE,mtn WNW.
Honesdale (Pa.)	2.3S;riv S	920	25 S4	80 oct. Woods & hills E,W.

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing. (See page XIII)NC-(not charted). → NEW OR REVISED DATA.

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Mercury (Hammondsport)	1 WSW;RR N	750	15 S2	80 oct Hill W CLOSED
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E
Moravia Air Haven	1 NW; RR E			ABANDONED.
Narrowsburg	0.6 NNE;RR E	700	18 S4	80 oct Mtns N, NE.
* Newark Int. 27A, CV-AZ	1.3 NW;rd N,E			ABANDONED
Painted Post	4.4 SW;RR W	950	19 S2	80 oct Trees E, W
Parker (Palmyra)	2.8 S; RR N			ABANDONED.
Penn Yan	1.1 S; lake W	850	20 S2	80 oct
Pulaski	See Ross Arpk. under "New Airports"- name changed.			
Red Creek	0.8 SSE;RR N	355	18 S1	80 oct
Richland	0.6 NE;RR SW	560	21 S4	80 oct Hi-line S,No Sto,When wet
Ridgeway (Rochester)	3.7 W;canal ESE	530	18 S1	80 oct Pole lines W,NW,SE,Cur
(N) ROCHESTER	3.7SW;riv S	549	44h R2 L5 S6	80,91 oct ARPT OF ENTRY NATS(Hospital flights)
(A) Rome AAF (A)	2.5 NE	473	63h R1 L5 S6	62,73,91,100 oct. JP-1
Rushville	2.5 NNE	1120	20 S1	Data unver.
Scottsville	1 N; RR W	690	10	Allway area: 1000 x 1000'
Seneca Falls	2.2 SE	490	28 S2	80 oct.
Sidney	1 WSW;RR SE	1012	24 S4	80 oct. Pole line S.
Smithport Inc (Utica)	3.5 SSE	1150	20h S1	80, 91 oct. Data unver
(P) Syracuse	3.5 NNE;hwy W	419	55h	CLOSED.
SYRACUSE MUNICIPAL	5.9 WNW;RR N	396	50h R2 L5 S6	80,91 oct Rdo rec rqrd
(P) Tri-Cities (Endicott)	3.5 WSW;riv S	840	35h R1 L3 S6	80,91 oct.Wooded ridge W,ESE
Utica	7.8 NW;hwy S	525	31 R1 L1 S6	80,91 oct Twr W;hill N;trees E.
Warren Eaton (Norwich)	2.5 N;riv,RR E	1015	20 S1	80 oct Wooded ridge E
(P) WATERTOWN	5.9 WNW;hwy N	325	50h L5 S4	80,91 oct. ARPT OF ENTRY
PENNSYLVANIA				
ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	392	40h R1 L5 S6	80,91 oct Trees E,W.
Barrett (Canadensis)	1.8 N	1450	18 S4	80 oct.
Bellefonte	4.3 ESE;hwy N	1045	21 L3 S6	80, 91 oct.
Bloomsburg	0.8 ESE;riv S	478	32 L5 S6	80,91 oct Pole lines SW,E
(P) Chemung Valley (Athens)	1.8 NNW;riv E	850	25 S6	80 oct.
Cherry Springs (Galeton)	10 SW;hwy 1 S	2265	19 S2	80 oct. Trees W,SE,NW
Cub Haven (Lock Haven)	1.7 E;RR S	550	25h S6	80 oct. Pwr line E
Daleville	0.6 N;hwy W	1775	17 S4	80 oct Hill S. Stack SW.
Danville	2.2 SW;RR N	480	22 S3	80 oct Hill SE.
Easton	3.5 NNW;hwy E	380	22 S6	80,91 oct P-line NNW,WSW
East Penn (Andreas)	1.5 NE;hwy S	860	18 S6	73 oct
East Scranton (Scranton)	7.3 ESE,lake E			ABANDONED.
Gordon	1.6 W; RR E	960	18 S2	80 oct Hill S
Green Acres(Beaver Meadows)	2S	1260	20 S4	80, 91 oct Pole line ENE
Lehighton	0.9 WSW;hwy NW	502	18 S6	80 oct Trees WSW
Mid Valley (Olyphant) (NC)	3 N; rd NE	1580	20	
Milton	0.8 S;RR W	450	27 S6	80 oct. P-line W,SW.
Mt. Pocono, 21, BI-LG	1.5 NW;hwy NE	1925	26h L3	Trees NE.
Nicholson-Mt View (Nicholson)	4.8 ENE;crk NW	1280	21 S2	80 oct. Hill SE,trees NW.
Reifenberg (Hazleton)	5.8 NNW;rd E	1146	21 S4	80 oct.
Scranton	7.2 WNW	1150	24h L3 S6	73-91 oct.Fld lgts prior req
Selinsgrove	1.1 N;hwy E	451	25 S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE,RRs W	1100	16 S2	80 oct.
Skyhaven (Tunkhannock)	0.3 S; RR N	639	20 S6	80,91 oct.P-line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	17 S6	80 oct. P-line NW
Stroudsburg-E Stroudsburg (Stroudsburg)	2.5 NNE;RR S.	480	22 S6	80 oct.
(P) Sunbury	2 NNE	443	35 S4	80 oct. No sto.
* Tamaqua Int, 61B, CG-LG	2.2 WNW;hwy W	1260	30 L3	
Towanda	1.5 SSE;RR W	700	25h S2	80 oct ENE,NE blkd, emerg
Wilkes-Barre-Wyoming Val'y	3.5 NNE;riv S	546	35h L3 S4	80, 91 oct. Lgts prior req or
(P) WILLIAMSPORT	5.1 E; riv S	529	43h R1 L5 S6	80,91 oct Lgts emerg only.
NEW AIRPORTS				
Nanticoke Valley Arpk (Maine,N.Y.)	4 NNE;hwy E	975	19 S2	80 oct.Data unver.
ScenicAire Park (Geneva,N.Y.)	3 S;lake E	550	27 S4	80,91 oct.
Valley (Sayre, Pa.)	See Blue Swan under "New Airports" - name changed.			
Wilkes-Barre-Scranton	10 NE;riv N	950	52h R1 L5	80,91 oct. (Wilkes-Barre,Pa)
Jersey Shore (Pa)	1.5 E	530	28 S4	Data unver Lgts on req
Ross Arpk (Pulaski)	3 SE; riv N	500	25 L S6	80 oct. Port rnwy lgts. Trees
Skyview Acres,(Muncy,Pa.)	1.4 NE;cty SW	500	26 S2	80,91 oct.P-line S,SE WSW
Grand Canyon (Wellsboro,Pa)	5.2 WSW	2000	31 S2	80 oct.
Mifflin Co (Reedsville,Pa.)	2.7 N;hwy W	830	37 S6	80,91 oct.
Berwick (Pa)	2.2 ENE	620	22 S4	80 oct P-line E,NE.
Centre (Berwick,Pa.)	6.5 WSW;RR N	500	29 S6	80 oct.E blkd.
Susquehanna (Pa.)	1.2 W;riv S	1000	17 S2	80 oct. Data unver.
Wallington (Sodus,N.Y.)	2.5 ESE;RR S		17 S2	80 oct.Wires S.Cln when wet.
Carbondale-Clifford (Carbondale,.	7 NW,lks SE	1520		1 E Clifford.

SYRACUSE 53


PRESQUE ISLE 18
WATERTOWN VHF RANGE
WATERTOWN
CARTHAGE
SCALE OF MILES
10 0 10 20 30
FOR V.H.F. RANGES SEE CHARTS 144 TO 148
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
CAN.
N.Y.
RICHLAND
ROSS
BOONVILLE
LADD'S
UTICA 359 (116.1)
SYRACUSE 350 (116.1)
COMMERCIAL
ROCHESTER 278
ROCHESTER 206 (116.1)
HILTON
RIDGEWAY
WALLINGTON
FULTON
FULTON AIR PARK
RED CREEK
CICERO
SYRACUSE
BRIZEE
GREEN 2
HYLAN
WEST HENRIETTA
PALMYRA
KIRKVILLE
ROME AAF 396 (126.18)
UTICA
CANASTOTA
SMITHPORT INC
AUBURN
MEACHAM-GENESEE
HONEOYE FALLS FLY SER
SCOTTSVILLE
SENECA FALLS
MASON
SCENICAIRE PARK
RUSHVILLE
SYRACUSE MUN. 278
COLGATE UNIVERSITY
On request
DANSVILLE 212 (116.1)
PENN YAN
DANSVILLE
MT MORRIS
WARREN EATON
CORTLAND
CAYUGA
ITHACA
"BATH H" SPORT
ELMIRA 385 (116.1)
MERCURY
HORNELL
MARTIN
KEYES-ONEONTA
SIDNEY
ANGELICA
NANTICOKE VALLEY
BINGHAMTON
COSTA'S
CROWNER
PAINTED POST
CHEMUNG CO
EAGLE
TRI-CITIES 278
BLUE SWAN
CHEMUNG VALLEY
COMMUNITY
N.Y.
PA
ELMIRA-PINE CITY
ELMIRA
SUSQUEHANNA
BOSTON NEW YORK
GRAND CANYON
CHERRY SPRINGS
TOWANDA
CARBONDALE-CLIFFORD
MT. VIEW
HONESDALE
NARROWSBURG
LAKE GAREY 21
SKY HAVEN
SCRANTON
WILLIAMSPORT 375 (116.1)
WILKES-BARRE 272 (116.1)
LOCK HAVEN
JERSEY SHORE
WILLIAMSPORT
CUB HAVEN
SUNBURY VHF RANGE
SUNBURY 353 (116.1)
SKYVIEW ACRES
KINGSTON
WILKES-BARRE
WILKES-BARRE-SCRANTON
DALEVILLE
BARRETT
MT POCONO
ALLENTOWN 320 (116.1)
LAKE SUSQUEHANNA
STROUDSBURG
MILTON
DANVILLE
SUNBURY
BERWICK (CENTRE)
On request
REIFENBERG
BLOOMSBURG
LEHIGHTON
TAMAQUA
GREEN ACRES
EAST PENN
SHAMOKIN
PHILIPSBURG 224
BELLEFONTE
STATE COLLEGE
MIFFLIN CO
SELINSGROVE
GORDON
SLATINGTON 12
BELFAST
MARTINS CREEK
EASTON
ALLENTOWN-BETHLEHEM
TO BUFFALO
TO ALBANY
ALBANY 55
NEW YORK 71
TO BRANCHVILLE
TO NEWARK
TO HARRISBURG
TO NO. ALTOONA
WASHINGTON 67
CLEVELAND NEW YORK
BUFFALO 260
BUFFALO 51
RED 29
RED 26
RED 11
RED 8
RED 13
RED 23
RED 33
RED 3
RED 21
BLUE 39
GREEN 3
208
194
135
225
118
70
47
4000
275
315
97
5000
298
45
64
272
50
28
36
78
223
108
166
133
54
43
74
69
191
358
180
313
71
63
87
17
284
101
32
25
11
68
13
48
41
38
50
360
224
109
129
209
271
281
290
40
72
47
10
240
12
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

ALBANY

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
← Adams (Mass)	1.3 SSE	1400	18 S4	80 oct.
Aero Lake & Seaplane Base (Kingston, N.Y.)	3.7 SSE;RR W	220	23 S4	80 oct Trees S.
→← Agawam Land & Seaplane Base (Agawam, Mass)	0.5 S;riv E	50	17 S6	80 oct SE blocked.
ALBANY Range (N.Y.)	365(AZ)(116.1)	195°,3.1	SBRAZ-DTV	(3); 116.1
ALBANY Tower (N.Y.)	278 (118.3)		AC	(4); 116.1,118.3,122.5
(P) [Albany] (N.Y.)	6.9 NNW;riv N	282	35h L5 S6	80,91,100 oct. ARPT OF
Amsterdam (N.Y.)	6 N;rd NW	887	18 S6	80 oct; lid 91 oct. Use strips only ENTRY
Ansonia (Conn)	1.6 ENE	440	18 S2	80 oct.
Arlington (Poughkeepsie, N.Y.)	1.5 E;RR E	280	18 S2	80 oct. P-line NE;trees SW.
(P) Ballston Spa (N.Y.)	3 N;RR E	433	40h S4	80, 91 oct.
(P) [Barnes] (Westfield, Mass)	3 NNE;RR W	268	50h L5 S6	80, 91 oct. Lgts on req.
Bennington (Vt)	2.5 WNW	830	13 S1	80 oct. 470' hill WNW.
Bethany (Conn)	1.3 N;hwy E	680	21 L2 S6	80 oct. No bcn. Lgts prior
Bowles (Agawam, Mass)	2.4 WSW;trk E	190	40 S4	80 oct. P-line S, SSE, NW, W. req.
BRADLEY Tower (Conn)	284(126.18)		CI (ILS-W)	3105,4495; 126.18
(NG) 'Bradley (Windsor Locks, Conn)	2.8 WNW;RR, riv E	171	50h L1 S6	Ltd 73, 100 oct
BRAINARD Tower (Conn)	278 (118.5)		AC	(4); 126.18,122.5,118.5
(NG) [Brainard] (Hartford, Conn)	2.8 SE;riv E	18	48h L5 S6	73, 100 oct. Dike N, E.
Brattleboro-Hinsdale (Hinsdale, N.H.)	2.7 NW;RR W	360	18 S4	80 oct. Landing flares on prior req.
BRIDGEPORT Range (Conn)	221 (WQ)	231°,4.0	MRLW	(4)
BRIDGEPORT Tower (Conn)	269 (118.7)		C	(4); 118.7,122.5,126.18
(P) [Bridgeport] (Conn)	3.5 ESE	9	48h L5 S6	80, 91 oct.
Briggs (Carlisle, N.Y.)	0.6 SE;RR W	1320	12	
→← Brookfield (Mass)	1 W;RR SW	680	20 S6	80,91 oct. P-line SW. Rough
Canaan (Conn)	1 N;RR W	680	20 S4	80 oct. Poles WSW;S blkd.
Catskill Valley (Catskill)	1.8 SW	105	24 S3	80 oct. (N.Y.)
Christi (New City, N.Y.)	1.5 N;RR E	150	16 S4	80 oct. P-line SW.
Cliff Haven (Accord, N.Y.)	11 W;RR S	260	16 S1	80 oct.
Cooperstown (N.Y.)	1.4 NNW;RR SE	1160	16 L S4	80 oct. Poles S. Port lgts.
County Arpk. (Spring Valley, N.Y.)	1 E;RR S	420	18 S6	80 oct. NNE, NNW blkd Trees SSE. Use strips.
Cozine (Rhinebeck, N.Y.)	0.5 SE;RR W	200	20 S1	87 oct. P-line W.
Croton Arpk. (Peekskill, N.Y.)	4.8 SE;riv SW	280	13	Hill SW.
(P) [Dillant-Hopkins] (Keene, N.H.)	2 S;riv 0.8 W	481	40h L S6	80,91 oct. Flare pots prior
Danbury (Conn)	2.5 SW;RR N	454	44h S6	80 oct. Trees ENE, SSE, WSW. req.
Doane (Essex, Conn)	1.2 SW;RR E,N	30	19 S6	80 oct. Trees N, NW.
Duanesburg (N.Y.)	0.1 S	710	20 S2	80 oct. Bldgs E; trees W.
East Brookfield (Mass)	1 W;hwy N	640	15 S4	No fuel.
East Greenbush (N.Y.)	0.8 NW;RR W	260	43 L S6	80 oct. Port rnwy lgts. P-
East Hampton (N.Y.)	2.5 W;RR S	40	25 S4	80 oct. line N.
(A) Elizabeth (Fisher's Island, N.Y.) (A)	W end Island	7	29h	
Equinox (Manchester, Vt)	1 SE;riv E,N	700	18 S4	80,91 oct.
Fair Haven (Vt.)	1.5 NNW	370	20 S4	80 oct.
Fair View Farm (Williamstown, Mass)	4 SW;riv E	954	17 S1	80 oct. Trees NE, NNE
Farly's (New Baltimore)	3 S;RR W	10	20 S1	80 oct. Trees N. (N.Y.)
* Fort Plain Int, 40A, CV-AZ	3 NNW;RR NE	720	35 L3	(N.Y.)
Freedom Plains (Billings)	2 W;rds N,E	340	11 S1	80 oct. Pwr line S. (N.Y.)
Fulco (Johnstown, N.Y.)	1 SE;hwy S	840	22 S4	80 oct. Data unver.
Gardiner (N.Y.)	0.5 S;riv W	320	25 S2	80 oct. Soft when wet.
Gardner (Mass)	2 SW;hwy N	1020	18 S4	80 oct.
GLENS FALLS MH fac. (N.Y.)	206(GB)(116.1)		MHTV	(4); 116.1
[Glens Falls] (N.Y.)	2.6 NW;rd S	474	36h S6	80 oct.
Glove City (Gloversville, N.Y.)	1.5 NE;RR S	860	17 S1	80 oct.
Great Barrington (Mass)	2 WSW;riv N	726	27 S6	80,91 oct. Obsts sur fld.
Halcott (Halcott City, N.Y.)	1 N		10 S1	80 oct. Data unver.
Hammonasset (Madison)	2 E;hwy N	15	12 S1	80 oct. (Conn)
HARTFORD Range (Conn) (Brainard)	329(HT)(116.1)	323°,2.3	SBMRAZ-DTV	(3); 116.1
Hartness (Springfield, Vt)	3.8 NNW;riv E	570	20 S6	80 oct.
Hayduck (Herkimer, N.Y.)	0.6 SSW;RR N	400	12 S4	Ltd 80 oct. P-line E.
Hiller (Barre Plains, Mass)	2 SW;riv W	589	34 S4	80 oct.
Huguenot (Port Jervis, N.Y.)	3.3 NE;RR SE	480	21 S6	80 oct. Trees SW.
Intercity (Schenectady, N.Y.)	3.6 SSE;RR NE	340	20 S4	80 oct.
Island (Shelton, Conn)	1.8 SE;on isl.	8	15 S1	80 oct. Trees SE. Soft.
Jewett (Jonesville, N.Y.)	0.5 NE	340	22 S2	80 oct.
Keene Arpk. (N.H.)	3 NW;RR W	500	21	CLOSED.
Kingston (N.Y.)	1.5 NW;RR S	150	17	CLOSED. P-line NW.
(P) Kingston-Ulster (N.Y.)	2.7 N;RR E	160	30 S4	80,91 oct. P-line E.
Kinsley (Somers, Conn)	2.5 NNW;hwy E	200	19	Emerg. use. Trees W, SW,
Kline-Kill (Ghent, N.Y.)	2 NNW;riv W	380	18	Lgt acft only N blkd ESE.
La Fleur (Northampton)	1.2 ENE;riv N	120	26 S4	80 oct. Riv SW. (Mass)
LEBANON MH Fac. (N.H.)	209(LP)(116.1)		MHT	(4); 116.1 Manned 7-23.
(P) Lebanon (N.H.)	3.3 WSW	579	40h L5 S6	80,91 oct. Lgts prior req.
Lime Ridge (Beekman, N.Y.)	1.3 SE;RR S	420	16 L2 S6	80 oct. All lgts prior req.
Livingston Manor (N.Y.)	0.8 SE;RR SW	1440	19 S3	80 oct.
Long Meadow (Rexford, N.Y.)	1.5 NE;RR N,W	380	20 S1	80 oct. E, NNE blkd. RR S.
Lufbery (Wallingford, Conn)	0.6 WSW;RR E	80	22 S6	80 oct. Trees S.
Mahopac (N.Y.)	1 NNW;lk E	695	20 S4	80, 91 oct.
Margaretville-Fleischmanns (Margaretville, N.Y.)	0.4 SW;riv NW	1310	19 S1	80,91 oct. P-line NE
Matamoras (Pa)	0.5 SSE;jct of rivs N	450	18h L4 S6	80 oct. No bcn. Lgts prior req.
Mattituck (N.Y.)	0.8 ESE;bay S	30	25 S6	80,91 oct. Poles N.
MERIDEN Tower (Conn)	278		CI	3105,4495 (days)
Meriden (Conn)	2.7 SW;RR E	102	35 L3 S6	80 oct. S blkd. P-lines SE.
Metropolitan (Palmer, Mass)	5 N;riv W	400	19 S6	80 oct. Hill N.
Middlebury (Vt)	2.5 SE;hwy W	440	17 S4	80 oct.
Milford (Conn)	1.5 SSW;RR NW	10	20 S1	80 oct.
Miller (Nyack, N.Y.)	1.8 WNW;riv E	70	17 S6	80 oct. P-line SW.
Millerton (N.Y.)	1.5 N;RR W	1000	13 S1	80 oct. Trees N
Monroe (Conn)	0.7 SSE; rd E	620	20 S4	80 oct. Rd W. Trees S.
Montgomery (N.Y.)	1 WSW;riv W	393	22 S6	80 oct. Trees N; brush E.
(A) " U.S. Mil. Acad. #1 (A)	2 SW	355	35h	CLOSED. (N.Y.)
Monticello-Sullivan Co. (N.Y.)	1.4 S;RR E	1500	27 L S4	80,91 oct. Port rnwy lgts.
Newburgh-Walden (Walden)	2.2 SSW;riv W	404	32 S6	80,91 oct. Obsts sur fld
NEW HACKENSACK Range (N.Y.)	236(NX)(116.1)	5°,5.3	SBRAZ-DTV	(4); 116.1 (N.Y.)
(P) New Hackensack (N.Y.)	0.5 W	166	35h	Obsts NE.
[New Haven] (Conn)	3.5 SSE;hwy N	4	42h S6	80, 91 oct.
New Paltz (N.Y.)	0.8 W;RR E	190	20 S1	80 oct.
(P) Orange (Mass)	1.5 SE;hwy SE	555	50h S2	80 oct. Poles NE.
Parlin (Newport, N.H.)	2 NNW;riv SW	780	20 S4	80 oct NNE, ESE, SSW blkd.
← Pilgrim (Hatfield, Mass)	3.4 N;riv 0.5 S	126	22	E, SE, W blkd. Emerg only.
Piseco (N.Y.)	0.5 N;hwy SW	1710	19 S2	Ltd 80 oct. Trees, brush
Pittsfield, 3B, AZ-BW (Mass)	2.4 WSW;hwy NW	1160	27 L3 S4	80,91 oct. P-line NW NNE.
Plateau (Northville, N.Y.)	2.5 E;riv ESE	1040	24 S6	80,91 oct. Trees S. Rough.
Post Mills (Thetford, Vt)	4.7 NNW;lk NE	700	25 S2	80 oct.
Prattsville (N.Y.)	1.5 SE; riv W	1200	15 S1	80 oct. Mtns sur fld.
QUABBIN Army H Fac (Westover) (Mass)	317 (D)	59°,8.5	FMHW	(Cont.)
Ramapo Valley (Mahwah, N.J.)	1.2 NW;riv SE	280	19 S1	80 oct.
Randall's (Middletown, N.Y.)	1.8 ESE;RR NW	520	20 S2	80,91 oct.
Ravena (N.Y.)	1.2 N;riv 2 E	180	14 S1	80 oct. Lgt acft only.
RENTSCHLER Tower (Conn)	264 (126.18)		CI	(3); 126.18
Rentschler (East Hartford, Conn)	1 N	45	58h L5 S6	80,91,100 oct. P-line SE, SSE.
Rockland (New City, N.Y.)	1 SSE;RR E	240	14	Trees W; hwy E. (NC)
(P) [Rutland] (Vt)	5.8 SSE;crk W	784	40h L3 S6	80 oct. All lgts prior req.
← Sacandaga Park (Northville)	1 SW;RR W	770	13	CLOSED. (N.Y.)
Salem (Conn)	2.1 E;lk NNE	400	21 L S6	80,91 oct. Trees S. Port lgts.
(P) Schenectady Co. (N.Y.)	3 N;RR SE	362	50h L5 S6	80,91,100 oct.
Schoharie Co. (Richmondville, N.Y.)	1.3 NE;RR N	1000	16 S1	80 oct. Trees E.
Schuylerville, Land & Seaplane Base (N.Y.)	2.5 S;riv E	100	29 S1	80 oct. Trees N, S
Selkirk (N.Y.)	2.7 E;hwy E	160	22	P-line E; trees S.
Silver Ranch (E. Jaffrey, N.H.)	1 E; lk 1 SE	1020	17 S1	80 oct. Trees SE, NW.
Simsbury (Conn)	2.6 NNE;RR W	170	17 S6	80 oct. Trees SE.
Sky Haven (Delanson, N.Y.)	0.9 NW;RR SE	1100	17 S2	80 oct. ESE, W blkd.
Somers (N.Y.)	0.6 SE;RR E,S	563	20 S4	80 oct.
Southbridge (Mass)	1.7 N	700	27 S1	80 oct. Trees W, N.
Springfield (Mass)	2.3 NE;RR S	205	26 S6	80,91 oct. Bldgs W.
Stanton's Newburgh Cub Port (Newburgh, N.Y.)	5.3 NW;RR S	520	12 S2	80 oct. Trees S
Starhaven (Middletown, N.Y.)	1.3 NW;RR N	750	29	Trees SW, SE, NW, RR SW.
← Steenburgh Avia. Svc.	1.5 ENE;RR N	900	8	CLOSED. (Gloversville, N.Y.)
Stephenson (Bristol, Conn)	1.5 ESE;RR N	240	18 S6	80,91 oct.
Stevens (North Adams, Mass)	2.8 WSW;RR N	690	12	Emerg. use only.
STEWART Army Range (N.Y.)	335 (DMU)	125°,2.5	MRLW	
STEWART Tower (N.Y.)	396 (126.18)		CA	(3); 126.18 (7-23)
(A) Stewart (Newburgh, N.Y.) (A)	4 NW;hwy N	474	60h L5 S6	100 oct. JP-1.
Stone Arabia (Ft. Plains, N.Y.)	3.6 ENE;hwy E	880	18	P-line NNW.
Stormville (N.Y.)	1 ENE;RR S	350	23 S4	80 oct. Trees NE
Suffolk (Westhampton Beach)	3.6 N	90	43 S6	80 oct. Pwr line N. (N.Y.)
Suffolk Co. (Westhampton Beach, N.Y.)	2.6 N	69	50h	
Sussex (N.J.)	1.2 WSW;RR S	420	25 S6	80 oct. 200' knoll NNE.
* Ticonderoga Int, 22, LG-UL	2.7 NNE;rd E	210	32 L3 S1	80 oct. Obsts sur fld. (N.Y.)
Troy (N.Y.)	2 SSE;lk N	325	30 L4 S6	80,91 oct. ENE, W blkd.
Trumbull (Groton, Conn)	2.8 SE;RR W	10	50h S4	80 oct.
Turners Falls (Montague, Mass)	4.2 N;riv NW	350	32 L S6	80,91 oct. Obsts sur fld. Floodlgts prior req.
Twin State (White River Jct, Vt)	1 SW;RR, riv E	540	19h L S6	80,91 oct. Port rnwy lgts on req.
Valley Air Park (Middleburg, N.Y.)	1.5 NNW	635	20 S4	Data unver.
← Vaughan (Johnstown, N.Y.)	1 E;hwy W	760	18	CLOSED.
(A) Wallkill, U.S. Mil. Academy #2 (N.Y.) (A)	3 NW;riv E	340	35h	CLOSED.
Wappingers Falls (N.Y.)	0.9 SE;rd S	152	21 S4	80 oct. P-line E, W, S.
[Warren Co.] (Glens Falls, N.Y.)	2.4 NNE;rd N	325	40h L5 S1	80, 91 oct.
Warwick-Wickham (N.Y.)	4.5 NE;RR W	540	24 S4	80 oct. Ridge N.
Waterbury (Plymouth, Conn)	2.6 S;RR E,W	843	20 S6	80 oct. Trees N, S.
Waterford (Conn)	1.7 N;RR SSE	60	20 S6	80 oct. Trees, hill S.
Watertown (Conn)	2.2 S;lk N	660	19 L S4	80 oct. Port rnwy lgts on req.
Westchester (Armonk, N.Y.)	0.5 SSE	380	23 S6	80, 91 oct.
WESTCHESTER CO. Tower	260(118.9)		C	(4); 118.9, 122.5 (N.Y.)
(P) Westchester Co. (White Plains, N.Y.)	4 NE;lk W	435	50h L5 S6	80,91 oct. P-line SSW
WESTFIELD Range (Barnes) (Mass)	230(WJ)(116.1)	27°,1.7	BMRLZ-DTV	(4); 116.1
West Haven (Conn)	2.7 SW;hwy E	15	18 S4	80 oct. Trees NE. W blkd.
WESTOVER Army Range	272 (DOJ)	239°,2.7	BMRAZ	(3)
WESTOVER Tower (Mass)	396 (126.18)+		CA (ILS) (GCA)	(3); 126.18 (Appch cont.)
(A) Westover (Chicopee Falls, Mass) (A)	3.8 NNE;riv W	244	73h (L6) S6	73,100 oct. JP-1 Fuel
West Springfield (Mass)	2.2 WNW;riv E	50	18 S1	80 oct.
White (Bedford, N.Y.) (NC)	3.6 SE;hwy E	475	12	
Winchester Arpk. (N.H.)	1.2 N;riv S,W	460	24 S1	80 oct. Riv N
Windham (Conn)	3.5 NNW;RR S	238	44h S1	80 oct. Trees NE, ENE.
Wingdale (N.Y.)	1.5 NE;RR W	400	25 S4	80 oct. Rough.
Wurtsboro (N.Y.)	2 NE;RR E,SE	560	31 S6	80 oct. Obsts sur fld.

INSTRUMENT LANDING SYSTEMS (*Localizer, Glide Path in mcs, Compass Locator in kcs*)

LOCATION	LC/LTR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
WESTOVER (A) (L6)	109.9	333.8	239°	IM- (0.49)	OM- ·· (3.38)
				MM- ····· (0.79)	
				MMK-	OMK-
WESTOVER (A) (L6)	109.5	332.6	59°	IM- (0.02)	OM- ·· (4.42)
				MM- ····· (0.72)	
				MMK- 201	OMK- 219
BRADLEY	110.3	335	58°	IM-	MM- · (0.66) OM-
				MMK-	OMK-
			IM-	MM-	OM-
				MMK-	OMK-

NEW FACILITIES

Southington (Conn)	3.5 NNE;RR W	200	21 S4	80 oct.
Claremont (N.H.)	1.3 W;riv NE	520	28h S6	80,91 oct.
← South Hadley (Mass)	4 NE	120	15 S4	Fuel. Data unver.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) →← New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

ALBANY 55

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS

Ⓤ USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY N QUADRANTS

PRESQUE ISLE 18

TICONDEROGA

MIDDLEBURY

POST MILLS

TWIN STATE

On request
GLENS FALLS
206
(116.1)

On request
LEBANON
209
(116.1)

FAIR HAVEN

RUTLAND

PISECO

LEBANON

PARLIN

WARREN CO

GLENS FALLS

HUDSON FALLS

HARTNESS

CLAREMONT

SACANDAGA PARK

CORINTH

MOREAU

PLATEAU

STEENBURGH

BALLSTON SPA

GLOVE CITY

AMSTERDAM

SARATOGA SPRINGS

EQUINOX

VAUGHAN

LONG MEADOW

SCHUYLERVILLE

HAYDUK

FULCO

SCHENECTADY CO

JEWETT

KEENE

FORT PLAIN

ALBANY
365
(116.1)

BENNINGTON

DILLANT-HOPKINS

WINCHESTER

STONE ARABIA

STEVENS

BRATTLEBORO-HINSDALE

SILVER RANCH

SKY HAVEN

BRIGGS

INTERCITY

VT N.H. MASS.

GARDNER

COOPERSTOWN

COLONIE

TROY

FAIR VIEW FARM

SCHOHARIE CO

ALBANY
278 KC 118.3 MC

ADAMS

TURNERS FALLS

ORANGE

DUANESBURG

EAST GREENBUSH

WESTOVER AAF
272

VALLEY AIRPK

SELKIRK

RAVENA

QUABBIN (W)
317

PITTSFIELD

FARLY'S

HILLER

KLINE-KILL

LAFLEUR

WESTOVER AAF
396 (126.18)

PRATTSVILLE

GREAT BARRINGTON

E BROOKFIELD

BARNES

METROPOLITAN

SOUTHBRIDGE

WESTFIELD
230
(116.1)

HALCOTT

SPRINGFIELD

MARGARETVILLE-FLEISCHMANNS

W. SPRINGFIELD

CATSKILL VALLEY

KINGSTON-ULSTER

COZINE

CONN

CANAAN

BOWLES

KINSLEY

WOODSTOCK

BRADLEY
284 KC 126.18 MC

MILLERTON

AGAWAM

KINGSTON

SIMSBURY

LIVINGSTON MANOR

WALLKILL NO 2

ARLINGTON

SOUTHINGTON

AERO LAKE

CLIFF HAVEN

NEW HACKENSACK

RENTSCHLER
254 (126.18)

NEWBURGH WALDEN

GARDINER

FREEDOM PLAINS

STEPHENSON

HARTFORD
329
(116.1)

WINDHAM

STEWART AAF (W)
335

NEW PALTZ

WAPPINGERS FALLS

WINGDALE

RED 13

WATERBURY

MONTICELLO

MONTGOMERY

LIME RIDGE

MERIDEN
18

WURTSBORO

STANTON'S

STORMVILLE

WATERTOWN

SALEM

MONTGOMERY NO 1

BETHANY

BRAINARD
278 KC 118.5 MC

NEW HACKENSACK
236
(116.1)

LUFBERY

STARHAVEN

HUGUENOT

RANDALL'S

DANBURY

MERIDEN
278

WATERFORD

MATAMORAS

STEWART AAF
396 (126.18)

MAHOPAC

MONROE

ANSONIA

DOANE

TRUMBULL

SUSSEX

WARWICK-WICKHAM

SOMERS

ISLAND

NEW HAVEN

HAMMONASSET

ELIZABETH AAF

COUNTY ARPK.

CROTON

WEST HAVEN

MILFORD

BRANCHVILLE

WESTCHESTER

RAMAPO VALLEY

CHRISTIE

BRIDGEPORT (W)
221

BRIDGEPORT
269 KC 118.7 MC

NY-3
DA

ALLENTOWN
320

LA GUARDIA
209

MILLER

NEWARK
341

PORT CHESTER

NEW YORK 71

MITCHELL AAF
227

MATTITUCK

EAST HAMPTON

SUFFOLK

SUFFOLK CO

WESTCHESTER CO
260 KC 118.9 MC

TO UTICA

TO ELMIRA

TO WILKES-BARRE

TO LAKE CARey

SYRACUSE 53

BOSTON 57

BOSTON

TO CONCORD

TO MOOSUP

0 STATUTE 10 MILES 20 30

FACILITY	FREQ., IDENT / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
Ames (Brocton, Mass)	3 WSW;hwy W	120	20 S6	80 oct SSE,WSW blkd.
Auburn (Mass)	2 SW;RR W,E	700	15 S1	80 oct Lgt acft only
(A)Ayer (Mass)	1.5 NW;riv W	268	52h S4	ARMY TEMP INACT-CIVIL
BEDFORD Army H Fac. (Mass)	522(BED)		MH	Oper cont | FACS.
BEDFORD Tower (Mass)	212(126.18,137.88)		CA	(3); 126 18,137 88
(A)Bedford (Mass)	1 SSW	135	50h L5 S6	80-100 oct.73,100 oct JP-1
Biddeford (Me)	2 SSW;RR NW	110	22 S2	P-line SE 80 oct | army.
Boire (Nashua, N.H.)	2.8 WNW;RR NE	185	20h L3 S4	80,91 oct Lgts prior req
Bolton (Clinton, Mass)	2.3 NE;RR 1 S	400	27 S6	80 oct Trees | P-line S around fld
BOSTON Range (Mass)(Logan)	263(BW)(116.1)	238°,1.4	SBRAZ-DTV	(3); 116.1
Boston-Metropolitan(Canton,Mass)	1 W;riv W	50	21 S6	80 oct. Trees NW
Brocton (Mass)	2 S;hwy E	128	22 S6	80 oct Poles E,W,N
Cape Ann Airways (Essex,Mass)	0.9 NNW;riv E,SE	20	14 S1	80 oct
Cape Cod (W.Barnstable, Mass)	2.1 SW;lake SW	100	21 S2	80 oct
CHARLESTOWN NAAS Twr (R.I.)	269 (142.74)		CN	3105;142 74(0700-1800)
(N)Charlestown NAAS (R.I.) (N)	1.6 SW;hwy N	32	58h (L5) S1	91, 100 oct No bcn
Chatham (Mass)	1.7 WNW;lake E	66	14 S4	80 oct P-line NW
Clark (Hanover, Mass)	2.6 WSW;riv S	74	24 S6	80 oct NE,NNE blkd
CONCORD Range (N.H.)	251 (CN)(116.1)	332°,1.9	BMRLZ-DTV	(4); 116 1
(P) [Concord] (N.H.)	1.5 E	346	40h L5 S6	80, 91 oct
Conway Valley (Conway, N.H.)	0.6 WNW;RR NNE	460	26 S5	80,91 oct Poles SW
Country Club (Wareham,Mass)	1.3 E;riv S	25	17 S4	80 oct P-line,trees N.(NC)
De Florez (Woodstock, Conn)	2.4 SSE;hwy W	450	19 S4	80 oct Trees N
Douglas (Brunswick, Me)	3.5 W;RR SE	170	16 S2	80 oct
Eastham (Mass)	1.2 NW;hwy E	50	20 S4	80 oct FEE Rnwy data unv Smudge pots prior req
Fitchburg (Mass)	2.5 SE;bet RRs	334	45h S6	80 oct Knolls, dike S
Franklin Airways Inc. (N.H.)	1.5 SSW;riv E	370	20	Emerg use
Franklin-Norfolk (Norfolk,Mass)	2.5 WNW;RR SSE	140	20 S6	80 oct P-line S RR NW.
Gate City (Nashua, N.H.)	4 SSE;riv E	120	23 S6	80 oct
(P)Goodall (Sanford, Me)	4 SE;hwy N	243	60h L5 S6	91 oct Lgts prior req
Grafton (North Grafton, Mass)	0.7 SSW;riv N	450	30 S6	80 oct Wooded hill S
GREENE Tower (R.I.)	278 (118.9)		AC	(4); 118 9,122 5
[Greene] (Providence, R.I.)	7 S;hwy W	53	41h L5 S6	80,91,100 oct P-line W.
GRENIER Army Range (Manchester, N.H.)	338 (DUR)	352°,4.0	SBMRAZ	(3)
GRENIER Tower (N.H.)	278 (126.18)		CA (ILS)	(3); 126 18
(A)Grenier (Manchester, N.H.)(A)	4 S; RR E	230	70h L5 S6	73, 91, 100 oct
Groton (Mass)	4.6 WNW;RR W	280	28 S6	80 oct
Hampton (N.Hampton, N.H.)	1.6 N;RR W	80	20 L S6	80 oct Port floodlgts on req
Haverhill (Mass)	See Walker Dutton under "New Facilities" - name changed.			
Hilltop (West Buxton, Me)	0.8 WSW;hwy E	300	20 L S4	80 oct Obst & flare lgts on req P-line ESE
Hooksett Land & Seaplane (N.H.)	2 S;riv E	187	32 S6	80 oct
[Hyannis] (Mass)	1.2 N;RR E	56	39h L5 S6	80,91 oct Lgts prior req
Kennebunk (Me)	1.6 SW	50	16 S1	80 oct
King (Taunton, Mass)	4.5 ESE;RR N	45	26 S6	80 oct P-line NNE
(P)Laconia (N.H.)	3.8 NNE;lk 1 NNE	536	36h L5 S6	80,91 oct Lgts prior req
Lafayette (Portsmouth, N.H.)	3 SSW;hwy S	71	23 S1	80 oct Trees sur fld
Lakes Region (Wolfeboro, N.H.)	2.6 W;RR E	580	14	CLOSED.
(P) [Lawrence] (Mass)	2.5 ENE;riv W	155	40h L5 S6	80,91 oct Trees NE,SSE
Leicester (Mass)	2 N	1140	15h S4	80 oct Reservoir SE
LOGAN Tower (Mass)	278 (118.7,126.18, 118.1)		AC	(4); 122 5,126 18,118 1, 118 7
(NG) [Logan] (Boston, Mass)	1.5 E in harbor	12	70h (L6) S6	80,91,100 oct Rdo rqrd FEE Ltd 80,100 oct,min.rprs for
Mansfield (Mass)	2 SSE;RR NE	124	25 S2	80 oct P-line NE, NW. | NG
Marlboro (Mass)	2.4 E;hwy N	265	16 S4	80 oct WNW blkd
(N)[Martha's Vineyard](Vineyard Haven, Mass)	4.3 S;hwy S	68	38h L5 S4	80,91 oct TMP INACT NO. NAVY FACS.
Mendon (Mass)	0.3 S;lake W	450	18 S4	80 oct P-line N, NW
Merrymeeting(Bowdoinham,Me)	1 SSE;riv E	60	L4 S1	80 oct Trees SSE,NNW
Mineral Spgs (Providence, R.I.)	4.6 NW;hwy E	240	11 S4	73 oct.Trees sur fld.
Myricks (Berkley, Mass)	3 E;RR SW	65	20 S6	80 oct. SSW blkd.
[Nantucket] (Mass)	2.6 SE;rd N	47	40h L S6	80 oct Port lgts
Newport Arpk. (R.I.)	3.5 NNE	150	24 S6	80,91 oct P-line NNE.
(P)New Bedford (Mass)	2.5 NNW;RR W	78	50h L5 S4	80,91 oct. Lgts prior req.
Norwood (Mass)	1.8 E;riv E	55	40h L5 S1	80, 91 oct
Oak Bluffs (Mass)	0.8 SW;road W	20	20	Avail. emerg. only.
(N)Otis OLF (Falmouth, Mass)(N)	9 NNE	126	70h	INACTIVE.
Plainfield (Conn)	1.5 SSW;RR NW	160	20 S6	73,87 oct
Plum Island (Newburyport,Mass)	2.3 SE;riv N	15	24 L1 S6	80,91 oct.P-line E.
Plymouth (Mass)	2 SSE	149	25	Data unver.
Plymouth Mun. Arpk (N.H.)	3.5 WNW;riv S	506	18 S2	80 oct. P-line N.
(N)Plymouth OLF (Mass) (N)	4.5 SW	140	28	
PORTLAND Range (Me)	206 (PW)(116.1)	149°,2.2	BMRLZ-DTV	(4); 116.1
(P) [Portland] (Me)	2 W;riv E	60	43h L5 S6	80,91 oct Lgts on req
(P) [Portsmouth] (N.H.)	3 W	71	50h L5 S6	80,91,100 oct.
Port of Maine (So. Portland, Me)	1.8 SSW;RR E	40	28 S6	80 oct Trees NNW
PROVIDENCE Range (Greene)(R.I.)	347(PR)(116.1)	47°, 3.2	BMRLZ-DTV	(3); 116 1
PROVIDENCE Range (R.I.)	108.7 (PR)		VARW	
Providence (Seekonk, Mass)	2.1 ESE	25	17 S4	80 oct P-line N.
Provincetown Land. Fld (Mass)	2 WNW	5	17 S4	Fuel.Lgt planes only.Data
Putnam Int,14,LG-BW (Conn)	1.7 WSW;RR 1.4 E			ABANDONED. | unver
QUONSET POINT Navy Range (Providence, R.I.)	356 (NCO)	339°, 2.2	BMRLZ	3105; 142 74
QUONSET POINT NAS Tower (R.I.)	227(142.74,126.18)		CN (GCA)	(3); 142 74,140 58,126 18
(N)Quonset Point NAS (Providence)	16.5 S	14	60h L5 S6	91, 100 oct NATS (R.I.)
Revere (Mass)	1 N	20	21h L S6	80,91 oct Fee for port lgts.
Richardson (Dracut, Mass)	2 NNW of Lowell	115	21 S4	80 oct P-line ENE | Data unv
Riconn (Greene, R.I.)	1.8 WNW;RR S	390	20 S6	80 oct. Rnwy data unver.
Riverside Arpk (Brunswick,Me)	1 WNW;riv E	60	20 S1	80 oct. Trees SSW,NNE.
Riverside (Ashland, N.H.)	4 NNW;riv W	470	20 S4	80 oct.
Scarboro (Me)	2 W;RR SSE	20	25 S2	80 oct.
Shawsheen Pines (Billerica,Mass)	2.7 E;riv W.	110	22h I 4 S6	80,91 oct.Trees E,W,NE,SE.
Sherman Memorial(Mansfield,Mass)	3 SSW;RR W	130	17 S1	73 oct Trees sur fld.P-line
Smithfield (R.I.)	1 NE;RR W	400	17 S6	80 oct. Flares on req. | NE
SOUTH WEYMOUTH NAF Tower	3295 (142.74)		CN	(3);142 74(8-1630 Mon-Fri)
(N)South Weymouth NAF (Mass) (N)	1.5 SSE;RR W	152	41 L3 S1	100 oct Trees NNE,WSW,
Spencer (Mass)	3.5 NNE	1040	17 S6	80 oct | WNW.
SQUANTUM Navy Range (Mass)	233 (NZW)	321°,3.7	BMRLZ	(3); 142 74 flight opers.
SQUANTUM NAS Tower (Mass)	323 (142.74)		CN (GCA)	3105,4495;142 74(8-30 min.
(N)Squantum NAS (Mass) (N)	4.3 SSE;bay N	10	41h L5 S6	100 oct No | before sunset. night flying.
Stonington (Conn)	1 NE;RR S	5	18 S6	80 oct Lgt acft only Rdo
Stover (Freeport, Me)	3.5 NNW	180	11 S1	80 oct. | rprs.
Wayside (Sommersworth,N.H.)	2.4 W;hwy E	212	15 S2	80,91 oct ESE blkd
Webster (Nashua, N.H.)	3.8 NNW;riv E	195	25 S6	80,91 oct ENE,NNW blkd.
Westboro (Mass)	1.9 WNW;hwy N	310	13 S6	80 oct.
Westerly (R.I.)	2.4 SSE; riv E	81	40h	
Wilkins (No. Attleboro, Mass)	2 NE;lake NW	200	18 S6	80,91 oct P-line NW.Trees
Woonsocket (R.I.)	2.5 E;riv WSW	400	20 S2	80 oct | sur fld.
[Worcester] (Mass)	3.5 W;hwy N	1009	55h L1	Emerg. use only

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
GRENIER (A)	110.3	332.6	352°	IM- (0.03)	MM- ••••••(0.71)	OM- — — (5.00)
					MMK-201 •—•	OMK-219 ••—
				IM-	MM-	OM-
					MMK-	OMK-

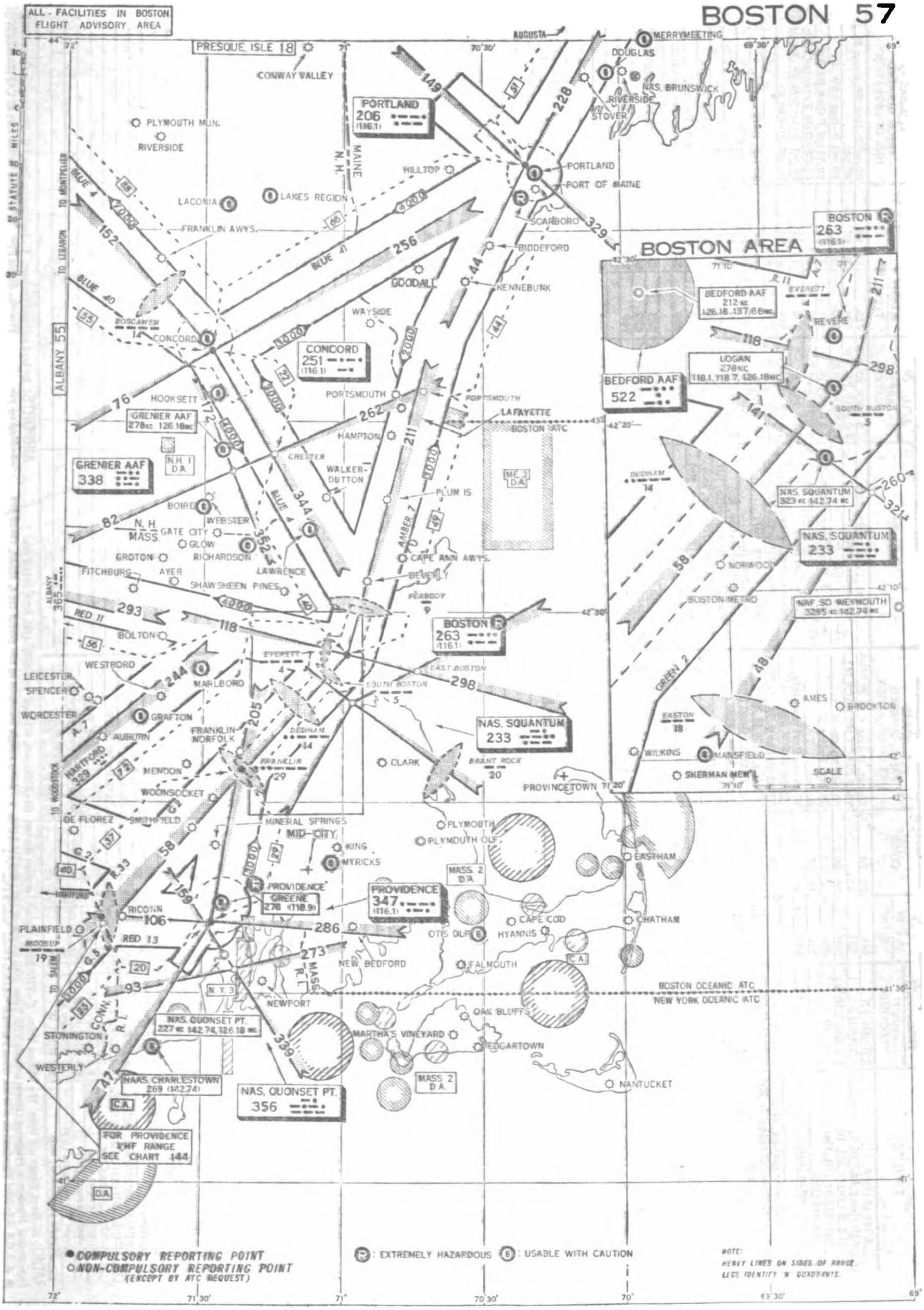
NEW FACILITIES

Beverly (Mass)	3 NW;lake E	108	50h L1 S6	80,91 oct Bcn on req.
(N)Brunswick NAS (Me) (N)	1.5 SE;RR N	77	60h	CLOSED.
Edgartown (Mass)	2 S;rds E,NW	20	30 S4	80 oct P-line E.
Falmouth (Mass)	2.2 NE;hwy SE,E	35	21 S2	80 oct.P-line NNE.
Mid-City (N.Dighton,Mass)	3 S	20	15 S4	Fuel N. S strip 1500', Data unver.
Falmouth Mun (Mass)	6.4 NNE;pond SW	100	20	Emerg only-not main
Walker Dutton (Haverhill,Mass)	2 NNE;lake S	125	18 S6	80 oct.Stack,P-line NW.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

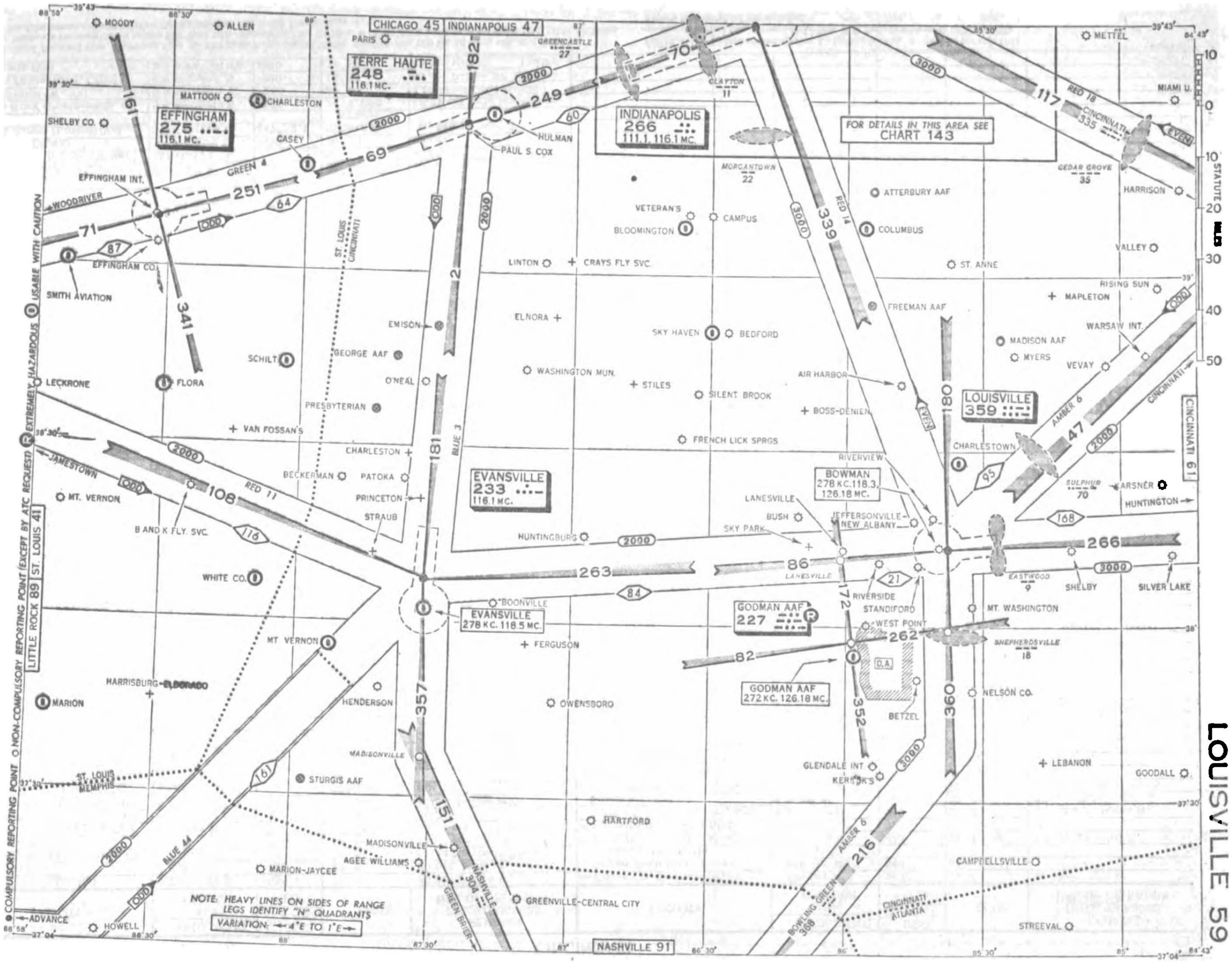
BOSTON 57


ALL - FACILITIES IN BOSTON FLIGHT ADVISORY AREA
BOSTON AREA
PRESQUE ISLE 18
CONWAY VALLEY
AUGUSTA
MERRYMEETING
DOUGLAS
NAS. BRUNSWICK
RIVERSIDE
STOVER
PORTLAND
206
PLYMOUTH MUN.
RIVERSIDE
HILLTOP
LACONIA
LAKES REGION
FRANKLIN AWYS.
PORTLAND
PORT OF MAINE
SCARBORO
BIDDEFORD
KENNEBUNK
GOODALL
WAYSIDE
CONCORD
251
CONCORD
HOOKSETT
GRENIER AAF
278kc 126.18mc
N.H. I D.A.
GRENIER AAF
338
PORTSMOUTH
HAMPTON
CHESTER
WALKER-DUTTON
PLUM IS.
BOIRE
WEBSTER
N. H. MASS.
GATE CITY
GLOW
GROTON
RICHARDSON
FITCHBURG
AYER
LAWRENCE
SHAWSHEEN PINES
BOLTON
WESTBORO
LEICESTER
SPENCER
WORCESTER
MARLBORO
GRAFTON
AUBURN
FRANKLIN NORFOLK
MENDON
WOONSOCKET
DE FLOREZ
SMITHFIELD
MINERAL SPRINGS
MID-CITY
KING
MYRICKS
PROVIDENCE
GREENE 278 (118.9)
PROVIDENCE
347
RICOTTA
106
PLAINFIELD
MOOSUP
19
NAAS, CHARLESTOWN
269 (142.74)
C.A.
FOR PROVIDENCE V/HF RANGE SEE CHART 144
D.A.
WESTERLY
STONINGTON
NAS. QUONSET PT.
227 kc 142.74, 126.18 mc
NAS. QUONSET PT.
356
NEWPORT
N.Y. 3
MASS. R.I.
CONN. R.I.
NEW BEDFORD
FALMOUTH
OTIS OLF
HYANNIS
CAPE COD
CHATHAM
PLYMOUTH
PLYMOUTH OLF
MASS. 2 D.A.
EASTHAM
MARTHA'S VINEYARD
EDGARTOWN
OAK BLUFFS
NANTUCKET
PROVINCETOWN
CLARK
BRANT ROCK
20
FRANKLIN
29
DEDHAM
14
EAST BOSTON
SOUTH BOSTON
5
EVERETT
7
BOSTON
263
BOSTON ATC
ME. 3 D.A.
CAPE ANN AWYS.
BEVERLY
PEABODY
9
BEDFORD AAF
212 kc 126.18, 137.68 mc
BEDFORD AAF
522
LOGAN
278kc 118.1, 118.7, 126.18mc
REVERE
NAS. SQUANTUM
323 kc 142.74 mc
NAS. SQUANTUM
233
NORWOOD
BOSTON METRO
NAF SO WEYMOUTH
3295 kc 142.74 mc
SOUTH BOSTON
5
BEDHAM
14
EASTON
18
AMES
BROCKTON
WILKINS
MANSFIELD
SHERMAN MEM'L
SCALE
0
5
BOSTON OCEANIC ATC
NEW YORK OCEANIC ATC
MASS. 2 D.A.
ALBANY 55
ALBANY 365
TO LEBANON
TO MONTPELIER
TO WOODSTOCK
TO SALEM
HARTFORD
BLUE 4
BLUE 40
BLUE 41
RED 11
RED 13
AMBER 7
GREEN 2
A 7
G 2
G 3
G 5
R 33
149
51
228
152
256
44
55
22
76
172
262
211
82
352
344
70
49
40
56
244
205
72
37
58
159
106
286
273
93
25
20
339
47
48
141
260
321
298
118
293
STATUTE MILES
72°
71°30'
71°
70°30'
70°
69°30'
69°
42°30'
42°20'
42°10'
42°
41°30'
41°
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
R : EXTREMELY HAZARDOUS
B : USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Allen (Arcola, Ill)	2 W;RR,8 N	665	20 S6	80 oct. P-line N,E. W blkd.
(A) Atterbury AAF (Columbus,Ind)	3.5 N;RR SE	651	50h	TMP INACT NO FACS (A)
B & K (Fairchild, Ill)	1.4 WSW;RR S	500	26 S5	80 oct. P-line N
Beckerman (Mt. Carmel, Ill)	4 W; RR S	424	23 S2	80 oct. P-line N.
(P) Bedford (Ind)	3.5 SE	682	19 S6	80 oct.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct. Port rnwy lgts. Trees N, Soft when wet
Boss-Denien (Salem, Ind)	3 WNW;RR NE	730	24 S6	80 oct. P-line S. Trees W,E.
BOWMAN Tower (Louisville,Ky)	278(126.18,118.3)		AC	(4); 122.5,126.18,118.3
[Bowman] (Ky)	5.5 ESE	546	44h L5 S6	80,91 oct. No flood lgts.
Bush (Jeffersonville, Ind)	3 NE		20 S2	80 oct. Data unver.
Bush (Ramsey, Ind)	1.5 WSW;hwy N	680	12 S4	73 oct.
Campbellville (Ky)	2 ENE;RR NW	500	18 S4	80 oct. Hills NE,SE.
Campus (Bloomington, Ind)	1.5 ENE;RR S	883	22 S4	80 oct.
Casey (Ill)	1 NW	645	26 S4	80,91 oct. Data unver.
Charleston (Ill)	1.3 SW;RR NW	690	26 S6	80,91 oct. Flares on req. P-
(P) Columbus (Ind)	5 SSW;hwy E	617	45h L5 S4.	80,91 oct. No line N,E,W.
EFFINGHAM Range (Int.)(Ill)	275(EF)(116.1)	341°,0.0	BMRLZ-DTV	(4); 116.1 bcn,no flood.
Effingham Co. Mem'l (Ill)	3.6 S;hwy W	585	30 S6	80 oct 122.1 Lgts on req
* Effingham Int,10,LS-ID (Ill)	2.5 N;RR E	608	26 L3	P-line E,SE. On req.
(A) Emison (Oaktown, Ind)(A)	3.6 WSW	425	45h	CLOSED.
EVANSVILLE Range (Ind)	233(EV)(116.1)	177°,5.7	SBRAZ-DTV	(3); 116.1
EVANSVILLE Tower (Ind)	278 (118.5)		C	(4); 118.5, 122.5
[Evansville] (Ind)	4.5 NNE;bet RRs	383	60h L5 S6	80,91,100 oct. Twr W. Fld lgts on req. No floods
Ferguson (Richmond, Ind)	0.5 SE		13	Data unver.
Flora (Ill)	0.8 SW;RR N	490	35 S6	80 oct. P-line N,W.
(A) Freeman (Seymour, Ind) (A)	2 SW;hwy N	575	55h	CLOSED.
French Lick Springs (Ind)	1 SE;RR W	500	27h	
(A) George (Lawrenceville,Ill)(A)	4.5 NE;RR S	428	52h	CLOSED.
* Glendale Int,75B,DL-LV (Ky)	0.5 NE;RR W	702	25 L3	
GODMAN Army Range(Ft.Knox)	227 (DKX)	172°,3.1	BMRLZ	(Ky)
GODMAN Tower (Ky)	272 (126.18)		CA	(3); 126.18
(A) Godman (Ft. Knox, Ky) (A)	1 NW;RR E	740	52h L5 S4	73,91,100 oct. No sto.
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct. WNW,SW blkd.
Greenville-Central City (Ky).	1 NE;RR W	415	22 S4	80 oct.
Harrisburg-El Dorado (Ky)	Adj E	400	27 S1	80 oct. Data unver.
Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct. P-line S.
Henderson (Ky)	4.7 WSW;hwy E	350	23 S1	80 oct.
Howell (Paducah , Ky)	4 WNW;RR S	371	20 S6	80 oct. All appchs blkd.
(P) [Hulman] (Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct. Fld lgts prior req.
(P) Huntingburg,19,LS-LV (Ind)	3 S;RR E	500	31 L2 S4	80 oct.
INDIANAPOLIS Range (Ind)	266(ID)(vhf)	75°,3.3	SBRAZ-DTV	(3);116.1,122.1
Jeffersonville-New Albany (Jeffersonville, Ind)	2 NW;riv S	470	29 S6	80 oct. Poles SW.
Lawrenceburg (Ind)	See Valley under "New Facilities" - name changed.			
Lebanon (Ky)	3.5 NNW;hwy 1 SE	799	15 S4	80 oct. P-line E,SE
(P) Leckrone (Salem, Ill)	1.9 NW;lake NW	545	39 S6	80,91 oct. Flares on req. Der-
Linton (Ind)	3.3 E;RR S	500	19 S4	Ltd 80 oct. N,NE rick NW blkd.
LOUISVILLE Range (Bowman)	359 (LV)	269°, 1.4	SBMRLZ-DTX	(3) (Ky)
(A) Madison AAF (Ind) (A)	6 NNW;RR SW	850	50h	Closed to all acft.
Madisonville (Ky)	6 ENE;hwy SE	420	24 S4	80 oct. Use strips only.
Mapleton (Seymour, Ind)	2.7 E;hwy SW	630	18 S4	80 oct. P-line N,NE, Use strips
Marion Arpk (Ill)	1.8 ESE;RR S	430	29 S6	80 oct. All appchs blkd.
Marion-Jaycee (Crayne, Ky)	1 N;hwy E	650	20 S1	80 oct.
Mattoon (Ill)	4 E; RR N	720	23 S6	80 oct. Poles W.
Mettel (Connersville, Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
(P) Miami University (Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct. Poles N,NW.
Moody (Dalton City, Ill)	2.2 S;hwy W	680	19 S6	80 oct. P-line N.
Mount Vernon (Ind)	1 E;bet hwy,riv	390	26 S1	80,91 oct. F-line N,W.
Mount Vernon (Ill)	2.5 ENE;RR S	465	27 L S6	80,91 oct. Temp port lgts.
Mount Washington (Ky)	0.5 NE;hwy E	720	20 S6	80 oct. P-line E,NE.
Myers (Madison, Ind)	2.2 N;RR W	960	24 S6	80 oct. N,NE,E blkd.
O'Neal (Vincennes, Ind)	1.5 WNW;RR NE	415	33 S6	80 oct. P-line NE;trees N
Owensboro (Ky)	2.5 ENE;RR NW	484	29 S6	80 oct.
Paris (Ill)	3.8 NNW;RR E	740	30 S6	80 oct. P-line S,SW,W.
Paul S. Cox (Terre Haute,Ind)	3.2 S;hwy W	485	27 S6	80,91 oct. P-line NE,SW.
(A) Presbyterian Church #3 (A)	4 WNW;hwy E	430	45h	CLOSED (St.Francisv'l,Ill)
Princeton (Ind)	0.8 E;hwy N	502	18 S2	80 oct. Water tank SW, Wires NW,
Riverside (Louisville, Ky)	7.5 SW;riv W	446	27 S4	80 oct. Hi-line E.
(P) St. Anne #2 (North Vernon,Ind)	2.3 NNE;RR W	750	45h	
Schilt (Olney, Ill)	1.5 E;RR S		30 S6	80 oct. Data unver.
Scottsburg (Ind)	See Air Harbor under "New Facilities" - name changed.			
Shelby (Shelbyville, Ky)	2.9 E;hwy S	850	19 S4	80 oct.
Shelby Co. (Shelbyville, Ill)	1.9 ESE;RR N	677	21 S6	80 oct.
Silent Brook (Orleans, Ind)	5 W;riv SW	650	21 S4	80 oct. Hi-line W,SW.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80,91 oct. Poles N.
(P) Sky Haven (Bedford, Ind)	2 SSW;riv S	650	36h S6	80,91 oct. P-line E,NE,S.
Smith Aviation (St. Elmo, Ill)	1.3 SW;RR,hwy N	647	32 L1 S6	80'hill W end WSW rnwy. 80 oct. Bcn twr NE;poles N
(NG) Standiford (Louisville, Ky)	4.3 SSE;hwy E	480	50h	
Stiles (Shoals, Ind)	1 N	740	22 S2	80 oct. Data unver.
Straub (Cynthiana, Ind)	0.5 NW		13	Data unver.
(A) Sturgis AAF (Ky) (A)	1.5 ESE;hwy SW	371	50h	CLOSED.
TERRE HAUTE Range (Ind) (Hulman)	248(TH)(116.1)	69°, 5.8	BMRLZ-DTV	(4); 116.1
Van Fossan's (Mt. Erie, Ill)	0.5 N;lake NE		27 S1	80 oct. P-line E,NW,SE. Data unver.
Veteran's (Bloomington, Ind)	2.5 W; RR N	890	26 S1	80 oct. Poles W.
Vevay (Ind)	1.3 ENE;riv S	450	20 S4	80 oct. Tree NE corner. Data unver.
* Warsaw Int,5,LV-CV (Ky)	0.8 SW;riv NW	485	30 L3	
Washington (Ind)	3 W		21	Data unver.
Washington Mun. (Ind)	4.3 NNW	450	30 S4	80 oct. P-line SW,W
White Co. (Carmi, Ill)	1.1 NE;RR S	450	28 S1	80 oct. P-line S, SSE.
NEW FACILITIES				
Agee Wms. Arpk (Madisonv'l,Ky)	1.5 SW;hwy N	450	18 S2	80 oct. Pwrline W,SW
Boonville (Ind)	0.5 NW	383	20 S1	80 oct. Pole SW, NW
Karsner (Monterey,Ky)	2 SE;hwy W	540	20 S2	80 oct. Poles SSE
Kernek's (Nolin, Ky)	2 ENE;hwy E	690	19 S1	80 oct. P-line NNE,NE,NE
Rising Sun (Ind)	0.5 N;riv E	580	22 S4	80 oct. P-line SW,W,NW SW
Streeval (Knifley,Ky)	5.8 S;hwy E	835	20 S2	80 oct. P-line E,SE strip
West Point Arpk (Ky)	1.3 ENE;riv W,S	420	16 S6	80 oct. rough
Crays Fly. Serv. (Bloomfield,Ind)	4 W		18	Data unver.
Sky Park (Corydon,Ind.)	1.5 NW	650	32 S1	80 oct. Wires E. Data unver.
Riverview (Utica, Ind)	2.8 SW;riv S;hwy N	447	27 S6	80 oct.
Lanesville (Ind)	2 SW hwy N	650	17 S4	80 oct. W blkd.
Rising Sun (Ind.)	0.5 N	580	22 S1	80 oct. Wires W. Data unver.
Air Harbor (Scottsburg,Ind.)	1.5 W;hwys N,E	570	25 S4	80 oct.
Valley (Lawrenceburg,Ind.)	1 WSW;riv S	485	20 S4	80 oct. Hills NNE,WNW.
Betzel (Lebanon,Ky)	1.6 NNW;RR E	445	20	Trees N,S
Patoka (Ind)	1.5 W;lake N,E	500	22 S1	80 oct. P-line S,SE
Nelson Co. (Bardstown,Ky)	4.2 W;hwy S	650	21 S6	80 oct. Hedge NW,SSE.
Hartford (Ky)	0.3 S;hwy N	405	25 S2	80 oct. P-line N.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


CHICAGO 45 INDIANAPOLIS 47
LOUISVILLE 59
NASHVILLE 91
MOODY
ALLEN
PARIS
TERRE HAUTE 248 116.1 MC.
GREENCASTLE 27
METTEL
MATTOON
CHARLESTON
EFFINGHAM 275 116.1 MC.
SHELBY CO.
CASEY
HULMAN
PAUL S. COX
INDIANAPOLIS 266 111.1, 116.1 MC.
CLAYTON 11
FOR DETAILS IN THIS AREA SEE CHART 143
MIAMI U.
CINCINNATI 335
EVEN
GREEN 4
EFFINGHAM INT.
WOODRIVER
MORGANTOWN 22
GEDAR GROVE 35
HARRISON
ATTERBURY AAF
VETERAN'S
CAMPUS
BLOOMINGTON
COLUMBUS
VALLEY
ST. ANNE
LINTON
CRAYS FLY SVC.
RISING SUN
MAPLETON
EFFINGHAM CO.
SMITH AVIATION
FREEMAN AAF
WARSAW INT.
ELNORA
EMISON
SKY HAVEN
BEDFORD
MADISON AAF
MYERS
VEVAY
SCHILT
GEORGE AAF
O'NEAL
WASHINGTON MUN.
STILES
AIR HARBOR
LECKRONE
FLORA
SILENT BROOK
BOSS-DENIEN
PRESBYTERIAN
VAN FOSSAN'S
FRENCH LICK SPRGS.
LOUISVILLE 359
CHARLESTOWN
CINCINNATI
CINCINNATI 61
RIVERVIEW
BECKERMAN
PATOKA
PRINCETON
STRAUB
EVANSVILLE 233 116.1 MC.
BOWMAN 278 KC. 118.3, 126.18 MC.
LANESVILLE
BUSH
JEFFERSONVILLE-NEW ALBANY
SULPHUR
70
CARSNER
HUNTINGTON
JAMESTOWN
MT. VERNON
B AND K FLY. SVC.
HUNTINGBURG
SKY PARK
EASTWOOD 9
SHELBY
SILVER LAKE
WHITE CO.
BOONVILLE
EVANSVILLE 278 KC. 118.5 MC.
GODMAN AAF 227
RIVERSIDE
STANDIFORD
MT. WASHINGTON
WEST POINT
SHEPHERDSVILLE 18
FERGUSON
MT. VERNON
GODMAN AAF 272 KC. 126.18 MC.
HARRISBURG-ELDORADO
MARION
HENDERSON
OWENSBORO
BETZEL
NELSON CO.
MADISONVILLE
GLENDALE INT
KERRICK'S
LEBANON
GOODALL
ST. LOUIS MEMPHIS
STURGIS AAF
HARTFORD
MADISONVILLE
AGEE WILLIAMS
MARION-JAYCEE
CAMPBELLSVILLE
GREENVILLE-CENTRAL CITY
CINCINNATI ATLANTA
STREEVAL
ADVANCE
HOWELL
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 1°E
COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
USABLE WITH CAUTION
LITTLE ROCK 89 ST. LOUIS 41
STATUTE MILES

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abken (Raceland,Ky)	1.2 NW;riv N	555	22 S4	80 oct P-line W.
Ashland (Ky)	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Attaway Air Ranch(Mason,Ohio)	4.2 S;RR NW	850	23 S4	80 oct.No sto.P-line E.
Bethel (Ohio)	1 ESE	890	30 S6	1500' hard-surfaced rnwy
[Blue Grass](Lexington,Ky.)	6 W;hwy N	978	40h L5 S6	80,91 oct. Data unver.
Bollinger (Charleston,W.Va)	4.5 SW;riv N	900	21 S4	80 oct.
Campbell (Cincinnati, Ohio)	6.2 NNW;RR E	820	24 S2	80 oct.P-line WSW.
CHARLESTON Range (W.Va)	400(KN)(116.1)		SBMRAZ-DTV	(4); 116.1
* Cherry Fork Int,4,CC-WA(Ohio)	0.5 NNW	939	39 L3	
Cheviot (Cincinnati, Ohio)	9 W;RR 1 E	914	18 S6	80 oct.
Chillicothe Skypark (Ohio)	1.8 N;riv W	640	30 S4	80,91 oct.
CINCINNATI Range (Lunken) (Ohio)	335(CC)(vhf)	227°,5.2	SBRAZ-DTV	(3);116.1,122.1.DTV lctd at Greater Cincinnati Arpt.
Cincinnati Inc.(Sharonville)	2 SE	860	29 S6	80 oct. (Ohio) NE blkd,P-
Clark (Winfield, W.Va)	5 N St. Albans	600	27 S6	73 oct.No sto.Riv E.]line N.
CLINTON AAF Range (Ohio)	114.3 (DWO)		VARW	(8-1630 Mon-Fri)
CLINTON CO Army H Fac.(Ohio)	201		MHW	0.2 mi end Rnwy 22(8-1630, Mon.-Fri.or on 30 min.not.
CLINTON CO.Tower (Ohio)	272 (126.18, 137.88)		CA (ILS-W) (GCA)	(3);126.15,137.7
(A) Clinton Co.AAF (Wilmington)	2 SE;hwy NE	1062	60h L5 S1	73,91,100 oct.JP-1.(Ohio)(A)
Cool Meadow (Lexington,Ky)	4.8 NE;rd W	910	28 S6	80, 91 oct.
Falmouth (Ky)	2.3 SE;riv E	750	16 S2	80 oct.Trees NE,SW
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct.WNW,SW blkd.
GREATER CINCINNATI Tower(Ky)	221(126.18,118.5,)		AC (ILS)	(4);126.18,118.5,122.5 Call;
(P) [Greater Cincinnati](Covington)	8.2 W;riv NE	890	55h L6 S6	80,91 oct.(Ky) Kenton Twr.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW.
Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct.P-line S
Hightman (Lebanon, Ohio)	3 E;RR W	880	16 S1	Trees W,E.80 oct.
Hinton (W. Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Spgs)	1 E;riv,RR S	1520	26	Hill W, E (W.Va)
HUNTINGTON Range (W.Va)	236 (HI)(116.1)	75°, 2.3	BMRLZ-DTV	(4); 116.1
(P) Huntington(Chesapeake,Ohio)	2 WSW;riv S	560	29h S6	80, 91 oct.
Jody (London, Ky)	2.7 SSE;hwy E	1240	25 L S2	80 oct. Flood lgts.
Jones (Chillicothe, Ohio)	7.2 SE;RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford, Ohio)	2 SE;RR 1 W	670	20 S6	80 oct.No sto.P-line N,S.
Lakewood Arpk (Cincinnati,O)	9.5 NNW	870	20h S6	80,91 oct.P-line E
Lancaster (Ohio)	2.5 E;RR N	830	25 S6	91 oct.P-line E,N.
LEXINGTON Range (Ky)	108.3 (LM)		VARW	
Logan (W. Va)	7.2 NNW;riv E	630	15h S1	80 oct. Hill S,N.
Loving ,35A,NA-WA(Pulaski)	2.8 N;RR SE	2200	27 L3 S4	80 oct.Poles SW.No sto.(Va)
LUNKEN Tower (Ohio)	227 (118.7)		AC	(4); 118.7, 122.5
(P) [Lunken](Cincinnati, Onio)	4.3 SE;RR SW	488	41h L5 S6	80,100 oct.
Marietta (Ohio)	1.8 ESE;riv S	616	27 S4	80 oct.House NE,bridge NW
Maysville (Ky)	4.8 NW;riv N	555	26 S4	80 oct
(P) Miami University (Oxford,Ohio)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N, NW.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E, SW.
Morris (Williamson, W.Va)	5 NNW;RR E	600	12 S1	80 oct. P-line S.
Mt.Healthy (Cincinnati,Ohio)	9.5 NW;hwy E	870	22 S6	80 oct.Trees WSW,NE,ENE
Narrows (Va)	1 E;RR S	1550	2052	Ltd 80 oct.Trees W.
North Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	80 oct. No sto. Poles S.
Ohio University (Athens,Ohio)	1.5 E; RR S	640	40 L S6	80 oct. Port rnwy lgts.
Paris (Ky)	1.2 NNE	850	20 L S1	80 oct.Flood lgts NE,SW NW blocked.
Parks Watson (Cincinnati,O)	9 NE;RR E	865	26 S6	80, 91 oct.
PAYNESVILLE H Fac. (W.Va)	356 (IR)		H	(6-23)
Princeton (W.Va)	1.7 SW;hwy E	2450	20 S4	80 oct.
PULASKI Range (Loving)(Va)	272(US)(116.1)	247°, 2.1	SBMRAZ-DTV	(4): 116.1
Raven Rock (Portsmouth, O)	3.5 WSW;riv S	538	24 L3 S6	80,91 oct.Lgtg fac not ver.
Ravenswood (W. Va)	0.6 NNW;RR W	600	23 S1	Ltd 80 oct.Obst sur fld.
Reed's (Watertown, Ohio)	4.9 W;hwy E,S	820	13 S1	80 oct.P-line NE.Rdo re-
Richlands (Va)	2.7 WSW;RR NW	1950	18 S6	80 oct.Hill E. pairs.
Roane Co. (Spencer,W,Va)	1 SE;hwy N	954	18 S1	80 oct.
Scioto Trail State Forest (Chillicothe, Ohio)	8 SSE;RR NE	640	24	
(P) Scott (Mt.Hope)(Beckley,W,Va)	2.6 N;hwy W	2440	33 L1 S6	80, 91 oct. Hill E.
Shumate (Jackson, Ohio)	8 SSE;RR NE	720	20 S1	80 oct.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80, 91 oct. Poles N.
Somerset (Ky)	5 N;RR W		20 S2	80 oct. Data unver.
South Dayton (Dayton, Ohio)	5 SSW;RR W	750	32 S6	80 oct. No sto. Hills S.
Stewart (Parkersburg, W.Va)	2.3 NNW;riv W	602	33 S6	80 oct.
Sutton Int, 21, CC-WA (W.Va)	3.6 ENE;hwys E,S	1264	31 L3	Pole NNE.
Tri-County (New Holland, Ohio)	3 ESE;RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis,Ohio)	1.8 ENE;riv SE	563	30	Trees E.
Washington (Washington Court House, Ohio)	4.5 ENE;RR S	910	22 S3	80 oct. P-line S.
Wolfords (Amanda, Ohio)	0.8 E;RR NW	960	13	
Zaleski (Ohio)	1 SSW;RR NW	705	22	Trees,hill NE,SW.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

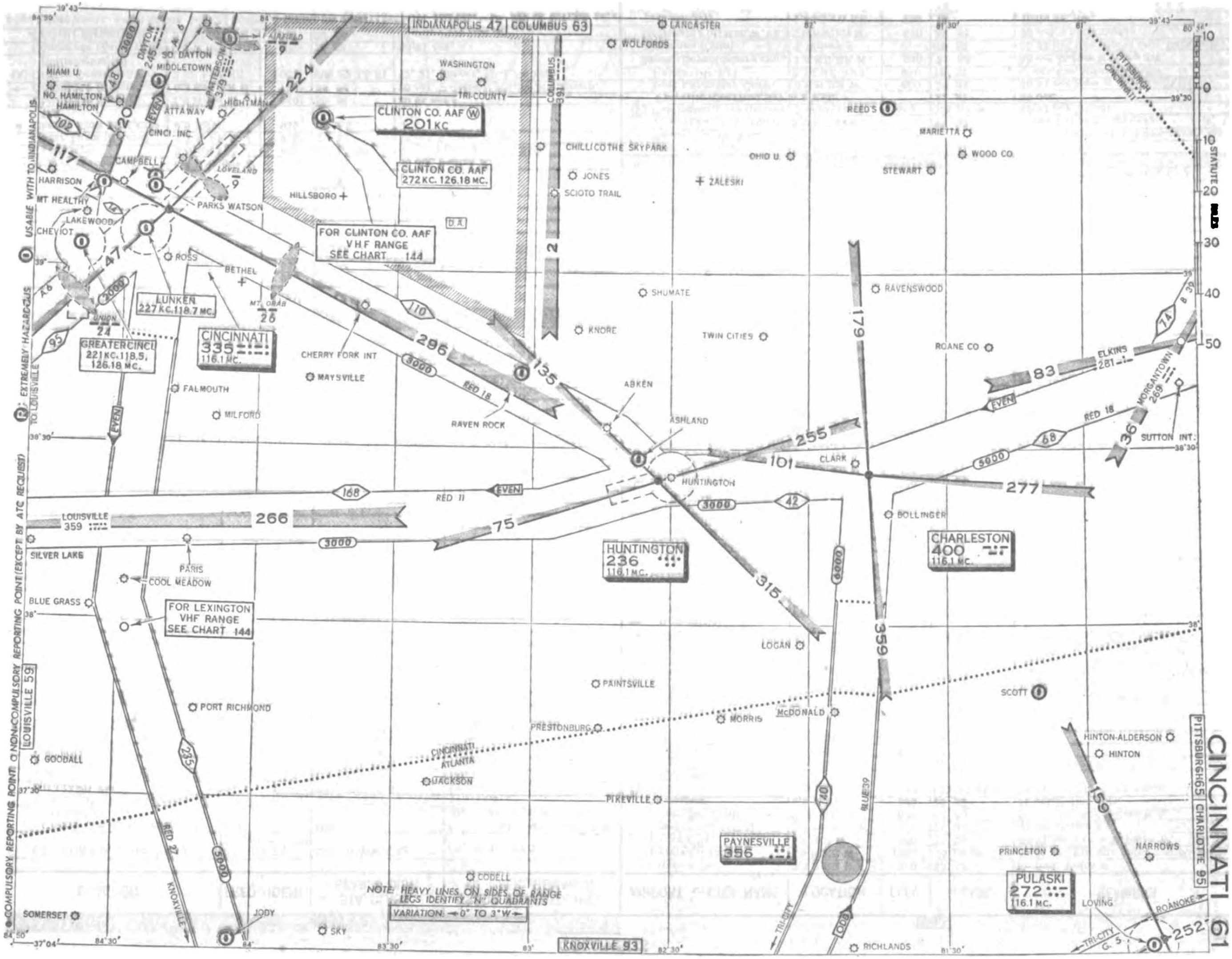
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK
GRTR. CINCINNATI	109.9	333.8	360°	IM-	MM- •—•—(0.6)	OM- — —(4.3)
					MMK- 206 •••—	OMK- 215•—•—
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Huntington (W. Va)	See Huntington Airport, Chesapeake, Ohio			
Milford (Ky)	0.1 SE;hwy W	500	18 S1	80 oct.
Codell (Darfolk,Ky)	1.6 WSW	860	20 S2	80 oct.Ctn-mtns sur fld.
Sky (Manchester,Ky)	2.7 SE;RR W	850	21 S1	80 oct.Mtns sur fld.
Port Richmond (Richmond,Ky)	4.6 E;hwy S	975	18 S1	80 oct.
Ross (Melbourne,Ky)	1.4 ESE;riv NE	475	20 S2	80 oct.P-line SE.
McDonald Fld (Man,W.Va.)	2 WNW;riv N	680	25 S1	80 oct. 0.5 NW Taplin
(P) [Wood](Parkersburg,W.Va.)	7 NE;hwy NE	835	45h L5 S6	80,91,100 oct.Lgts emerg only
Jackson (Ky)	1.3 SE;riv NE	750	12	Hills SE,NW.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.7 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


INDIANAPOLIS 47 COLUMBUS 63
CINCINNATI 61
CLINTON CO. AAF (W) 201 KC
CLINTON CO. AAF 272 KC. 126.18 MC.
FOR CLINTON CO. AAF VHF RANGE SEE CHART 144
LUNKEN 227 KC. 118.7 MC.
GREATER CINCI 221 KC. 118.5, 126.18 MC.
CINCINNATI 335 116.1 MC.
HUNTINGTON 236 116.1 MC.
CHARLESTON 400 116.1 MC.
PAYNESVILLE 356
PULASKI 272 116.1 MC.
FOR LEXINGTON VHF RANGE SEE CHART 144
LOUISVILLE 359
KNOXVILLE 93
PITTSBURGH 65 CHARLOTTE 95
USABLE WITH TO INDIANAPOLIS
EXTREMELY HAZARDOUS TO LOUISVILLE
COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 3°W
STATUTE MILES
DAYTON
SO. DAYTON
MIDDLETOWN
MIAMI U.
NO. HAMILTON
HAMILTON
ATTAWAY
HIGHTMAN
CINCI. INC.
CAMPBELL
LOVELAND
HARRISON
MT. HEALTHY
LAKEWOOD
CHEVIOT
PARKS WATSON
HILLSBORO
ROSS
BETHEL
MT. ORAB
UNION
FALMOUTH
MILFORD
MAYSVILLE
CHERRY FORK INT
RAVEN ROCK
WASHINGTON
TRI-COUNTY
COLUMBUS
LANCASTER
WOLFORDS
CHILLICOTHE SKYPARK
JONES
SCIOTO TRAIL
ZALESKI
OHIO U.
REEDS
MARIETTA
WOOD CO.
STEWART
PITTSBURGH
CINCINNATI
SHUMATE
KNORE
TWIN CITIES
RAVENSWOOD
ROANE CO.
ELKINS
MORGANTOWN
SUTTON INT.
ABKEN
ASHLAND
CLARK
HUNTINGTON
BOLLINGER
LOGAN
PAINTSVILLE
PORT RICHMOND
PRESTONBURG
MORRIS
McDONALD
SCOTT
HINTON-ALDERSON
HINTON
CINCINNATI
ATLANTA
JACKSON
PIKEVILLE
BLUE G
PRINCETON
NARROWS
LOVING
ROANOKE
TRI-CITY
RICHLANDS
SILVER LAKE
PARIS
COOL MEADOW
BLUE GRASS
GOODALL
SOMERSET
CODELL
SKY
JODY
KNOXVILLE
TRI-CITY
10
0
10
20
30
40
50
39°43'
39°30'
39°
38°30'
38°
37°30'
37°04'
84°30'
84°
83°30'
83°
82°30'
82°
81°30'
81°
80°54'

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CLINTON CO. (Wilmington)	272 (126.18, 137.88)	CA(ILS-W)(GCA)	(3);126 18,137 7
Clinton County (Wilmington) (Army)	201	MHW	0.2 mi. end Rnwy 22,(8-1630, Mon-Fri.or on 30 min notice)
COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-DTV,84°,1.9	(3);116.1
HILLIARD FM	(- - - -)	FM, 273°, 6.8	Columbus
LOCKBOURNE AAB(Columbus)	317 (126.18)+	CA (ILS-W)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°,25.0	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18	AC (ILS)	(4);122.5,118.5,126.18
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1
[redacted]			
CHARLESTON	400 (KN)(116.1)	SBMRAZ-DTV	(4), 116.1
HUNTINGTON	236 (HI)(116.1)	BMRLZ-DTV,75°, 2.3	(4);116.1
PAYNESVILLE	356 (IR)	H	(6-23) Oper by PCA

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK-
LOCKBOURNE (A)	109.9		3°	IM- (0.16)	MM- ·····(0.85)	OM- --(4.29)
					MMK-	OMK-
PORT COLUMBUS	109.5		95°	IM-	MM- ·-·-(0.65)	OM- --(4.50)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

KENTUCKY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.

OHIO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Briggs (Zanesville)	6.4 NNE;riv W	780	18 S2	80 oct. P-line N,E.
Cambridge	2 N;RR 1 W	800	27 L3 S6	80 oct.Hill,trees ESE,SSW.
Cedar Lawn (Kenton)	2.3 S, RR E	975	16 S2	80 oct. P-lines E,SE
★ Cherry Fork Int,4,CC-WA	0.5 NNW	939	39 L3	
Chillicothe Skypark	1.8 N;riv W	640	30 S4	80,91 oct.
➙ Clickenger (Columbus)	6.2 SSE,RR E	748	26 S4	80 oct. P-lines N,NE,SW,NW.Rough.
(A) Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
Commerce (Zanesville)	6.5 N ;riv 1.5 E	800	29 S6	80,91 oct.
Crabill (Springfield)	2.5 SE.RR 1 E	1040	29 S6	80 oct. Pole line S.
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
Grimes (Urbana)	1.5 N,RR W	1055	35 L5 S6	80,91 oct.Fld lgts prior req.P-line E,SE,SW.
Grove City	1 S, RR W	860	21 S6	80.91 oct.Trees E.Poles W.
Jones (Chillicothe)	7.2 SE,RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford)	2 SE;RR 1 W	670	20 S6	80 oct. No sto. P-line N,S.
Lancaster	2.5 E;RR N	830	25 S6	91 oct.P-line E,N.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	744	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S2	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S4	80 oct.
Newark,2, CO-PG	3.5 SW,RR 1 NW	880	24 L3 S4	80 oct,S blkd.
(P) New Philadelphia	2.5 SE;riv .5 SW	885	36 S6	80 oct. P-line &obst sur fld
➙ Norton (Columbus)	6.5 E,RR N	800	22 S4	80, 91 oct. P-line SW.
(P) Ohio State University (Columbus)	8 NNW,riv 2 E	900	22h S4	80, 91 oct. Serv 8:30 a.m.-5:30 p.m. 'til Sept 30. Allway fld 3900'
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) PORT COLUMBUS-NAS (Columbus)	7 E, RR S	817	50h R3 L6 S6	80,91,100 oct. P-lines NE,E,W.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	25 S2	80 oct.N,NE blkd.
➙ Price (Columbus)	6 SE;bet RRs	760	22 S6	80,91 oct. P-line S,SE.Use strips.
Raven Rock (Portsmouth)	3.5 WSW;riv SE	538	24 L3 S6	80,91 oct. P-line NW.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE. Rdo repairs.
Riverside (Zanesville)	3.4 NNE,RR W	700	40 S6	80 oct. Hill, trees NNE,SSW.
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RR NE	640	24	WSW blkd.
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,hwy E	1050	28 L4 S4	80 oct.No sto.Fld lgts prior req.
➙ Sullivant Ave.(Columbus)	6 WSW,RR NW	860	31 S6	80,91 oct. P-lines sur fld.
Tri-Co, (New Holland)	3 ESE,RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE;hwy S	910	22 S3	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	960	13	
Woodsfield (NC)	1 W;hwy E	1220	19	Emerg only.
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S2	80,91 oct.Pole line E. RR E,NE,W
Zaleski	1 SSW,RR NW	705	22	(NC)Trees,hill NE,SW blocked.
(P) Zanesville	6.2 E;hwy 1 N	902	50h R1 L5	Fld lgts prior req.
[redacted]				
Bollinger(Charleston)	4.5 SW,riv N	900	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
➙ Roane Co. (Spencer)	1 SE,hwy N	954	18 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N;hwy W	2440	33 L1 S6	80, 91 oct. Hill E.
➙ Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct.
(P) WOOD CO.(Parkersburg)	7 NE; hwy E	835	45h L5 S6	80,91,100 oct. Lgts emerg only.

NEW AIRPORTS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Logan (W.Va.)	7.2 NNW.riv E	630	15h S1	80 oct.Hill S,N.
Huntington (W.Va.)				See Huntington Arpt, Chesapeake, Ohio
Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct.P-line S,Data unver.
(P) Huntington (Chesapeake)	2 WSW;riv S	560	29h R1 S6	80,91 oct. (Ohio)
Pikeville (Coal Run,Ky)	0.8 ESE		22 S1	80 oct.
Port Lancaster Corp.	0.8 N;RR W	800	28 S1	80,91 oct Hwy W,Hooker,Ohio)
Paintsville,Ky)	2.3 ENE;RR E	630	16 S2	80 oct.Ctn,Mtns NE,W,SW.
Snook (Reynoldsburg,Ohio)	1.4 NE;RR N	980	21 S6	80 oct.P-line E;trees SW.
Hillsboro (Ohio)	5 W;hwy S		20 S2	80,91 oct.Use strips only.Data unver.
McDonald Fld (Man,W.Va.)	2 WNW;riv N	680	25 S1	80 oct. 0.5 NW Taplin
Jackson (Ky)	1.3 SE;riv NE	750	12	Hills SE,NW.
Prestonburg (Ky)	2.7 N;RR W	575	18 S2	80 oct.P-line S,Mtns all sides.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. ➙ NEW OR REVISED DATA

COLUMBUS 63

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
E: EXTREMELY HAZARDOUS U: USABLE WITH CAUTION
10 NM RADIUS

CLEVELAND 49
CEDAR LAWN
MARION
+VOSS
MT LIBERTY
BYHLOOP
NEW PHILADELPHIA
CLEVELAND CINCINNATI
CLEVELAND PITTSBURGH
COLUMBUS 391 (116.1)
OHIO STATE U
SPRINGFIELD
COMBERLE
BRIGGS
CAMBRIDGE
ZANESVILLE 263 (116.1) On request
RIVERSIDE
ZANESVILLE
CRABILL
SPRINGFIELD
CLICKENGER
GROVE CITY
SULLIVANT AVE
PRICE
NORTON
NEWARK
PORT LANCASTER
LANCASTER
CROOKSVILLE
LOCKBOURNE AAB
PORT COLUMBUS NAS 278 (118.5) 126.1R
WASHINGTON
TRI-COUNTY
CLINTON CO. AAF 208
CHILLICOTHE SKYPARK
CLINTON CO AAF 272 mc 126.1R mc
FOR CLINTON CO. AAF VHF RANGE SEE CHART 144
JONES
REED'S
MARIETTA
WOOD CO
STEWART
OHIO U
CINCINNATI INDIANAPOLIS
CRAB ORCHARD
CHERRY FORK
SHOUATE
KNORE
RAVENSWOOD
RAVEN ROCK
ROANE CO
HAYSVILLE OHIO KY.
ABKEN
ASHLAND
HUNTINGTON
OHIO W. VA
CLARK
BOLLINGER
HUNTINGTON 236 (118.1)
LOGAN
PAINTSVILLE
MORRIS
McDONALD
PRESTONBURG
CINCINNATI ATLANTA
SCOTT
PAYNESVILLE 356
PRINCETON
CINCINNATI 61
PITTSBURGH 69

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALLEGHENY CO. Tower (Pa)	278 (126.18, 118.7)		AC	(4); 140.1,122.5,126.18
[Allegheny Co.](Pittsburgh,Pa)	5.3 S;RR NW	1251	57h L6 S6	80-100 oct.No ctc lgts.Rdo rec.rqrd
Allegheny Valley (Tarentum, Pa).	3.2 W;RR W	1125	24 S4	80 oct.
ALTOONA Range (Pa)(Blair Co.)	338(RF)(116.1)	203°,1.3	SBMRAZ-DTV	(4); 116.1
→ Altoona (Duncansville, Pa)	1 SW;RR E	1050	36 S4	80 oct.
Augusta (Waynesboro, Va)	6 WSW;riv SE	1420	24 S4	80 oct. Pole line SE.
Baker Arpk (Burlington,W.Va)	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg,W.Va)	6 E;RR 1.1 S	1200	38h S6	80, 91 oct. Smudge pots en'erg.
→ Blair Co., 24A, CO-PG (Martinsburg, Pa)	0.9 SE	1495	44h L3 S4	80, 91 oct.
* Buckstown Int,12B,WA-CV (Pa)	1 E;hwy S			ABANDONED.
Buford's (Montvale, Va)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
CECIL H Fac (Pa)	219 (C)	265°,10.3	FMHW	(Cont.) Pittsburgh
CECIL FM (Pa)	(- - -)	265°, 10.3	FM	Pittsburgh.
(P) Connellsville (Pa)	5.2 SW;hwy E	1250	34h S6	80, 91 oct.
Covington (Va)	1 E;reservoir E	1500	18 S6	80 oct.
Covington-Clifton Forge (Va)	6.5 E;hwy S	1115	24 S4	80 oct.
Cresson (Pa)	1 NE;RR W	2240	25 S2	80 oct. P-line S.
(P) Cumberland (Md)	2.5 S;riv N,S	780	58h L5 S6	80,91 oct.Mtns SW.Bcn inop.
Elk Garden (W. Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct.P-line NW.
ELKINS Range (W.Va)	281(EK)(116.1)	174°,2.9	SBMRAZ-DTV	(4); 116.1 P-line NW.
(P) Elkins (W.Va)	2.6 S;riv W	1988	45h L5 S4	80,91 oct. Fld lgts on req.
Forman (Terra Alta, W.Va)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
FRONT ROYAL Range (Va)	359(FZ)(116.1)		SBMRAZ-DTV	(4); 116.1
→ Glendale (W.Va)	0.5 WSW;riv W	640	24 S6	80 oct.Trees N,S P-line S.
GORDONSVILLE Rng (Va)(Int.)	388(GJ)(116.1)	135°,2.5	SBMRAZ-DTV	(4); 116.1
Gordonsville (Va)	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Gordonsville Int,51,NA-WA(Va)	5 SSE	438	31 L3	Pole line SW.
GREATER PITTSBURGH Tower	396 (126.18)+		CA	(3); 126.18
(A) Greater Pittsburgh (Pittsburgh, Pa) (A)	15 WNW;riv N	1145	55h L5 S4	100 oct.
→ Greenbrier (White Sulphur Springs,W. Va.)	2.3 W;hwy N RR S	1795	35h S4	80,91 oct.
(P) Greene Co.(Waynesburg,Pa)	2.7 E	1100	30 S6	80,91 oct.Obst sur fld.
Hamilton (Indiana, Pa)	2.5 E;hwy S	1440	26 S6	80 oct. P-line S.
Harrison City (Pa)	1.1 NW;hwy S	1200	17 S4	80 oct.S,NW blkd.
Hartman (Harrisonburg,Va)	1 NW	1350	27 S6	80,91 oct. Rnwy data unver.
Herron (New Cumberland,W.Va)	4 NE;lake W	1250	17 S4	80 oct.
Hinton (W.Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Springs, W. Va) (NC)	1 E;riv,RR S	1520	26	Hill W, E.
HOOKSTON FM (Pa)	(- - - -)	308°,32	FM	Pittsburgh.
Huntingdon (Pa)	1 S;riv NE	620	20 S4	80 oct. P-line W.
Ingalls (Hot Springs, Va)	3 S;hwy W	3780	31 S2	80 oct. Closed winters.
(P) Johnstown (Pa)	4.7 E;hwy N	2282	45h L5 S6	80,91 oct. No flood lgts
Keystone (Ebensburg, Pa)	3 SW;hwy E	2100	23 S4	80 oct. Obst sur fld.
Latrobe (Pa)	2.8 SSW;hwy N	1144	23h S4	80 oct.
Leechburg (Pa)	1.6 SE;RR SE	960	26 S6	80,91 oct.SE blkd.
Lewis (Buckhannon, W.Va)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Lexington (Va)	2.7 SW;hwy S	1200	17 S1	73 oct.P-line NE,SW.
(P) Louis Bennett (Weston,W.Va)	3.2 N;RR E	998	37	Hill S;pole line WNW.
LYNCHBURG Range (Preston Marlinton (W.Va) Glenn)	206(LB)(116.1) 1.5 NNE;RR SE	165°,1.9 2475	SBRAZ-DTV 21 S2	(4); 116.1 (Va) 80 oct. Hill WNW.
MARTINSBURG Range (W.Va)	209(MR)(116.1)	35°,2.9	SBMRLZ-DTV	(4); 116.1
Mayer (Pittsburgh, Pa)	10 WSW;RR S	900	18 S6	80 oct.House NE,E blkd.
Mexico Farms (Cumberland,Md)	3 S;RR E	630	36 S2	80 oct. Mtns E.
Moorefield (W.Va)	0.8 NE;RR W	980	26 S4	80 oct. Trees WNW.
MORGANTOWN Range (W.Va)	269(MG)(116.1)	173°, 5.6	BMRLZ-DTV	(4); 116.1
(P) Morgantown (W.Va.)	2.2 ENE;hwy NW	1256	36h L3 S6	80,91 oct.
MT. PLEASANT FM (Pa)	(- -)	124°,24.7	FM	Pittsburgh
Narrows (Va)	1 E;RR S	1550	20 S2	Ltd 80 oct.Trees W.
NEW ALEXANDRIA FM (Pa)	(-)	85°, 30	FM	Pittsburgh
New Alexandria (Pa)	1.5 ENE;hwy N	1200	18 S4	80 oct. P-line N.
Orange Co. (Orange, Va)	4 E;hwy S		26 S2	80 oct. Data unver.
* Petersburg Int,29,CC-WA(W. (W. Va)	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
PITTSBURGH Range (Pa) (Allegheny Co.)	254(PT)(116.1)	85°,2.2	SBRAZ-DTV	(3); 116.1
Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct. (Pa)
Pittsburgh-Greensburg (Greensburg, Pa)	2.3 SE;reservoir N	1280	19 L1 S6	80 oct.Twr W.Trees E.
Pitt-Wilkins (Pitcairn,Pa)	1 N	1200	23 S4	80 oct. S blkd.
PRESTON GLENN Tower (Va)	248		C	(4)
(P) [Preston Glenn](Lynchburg,Va)	6.7 SSW;RR SE	935	40h L5 S6	80, 91 oct.
Ridgeway (Bunker Hill,W.Va)	2.3 SSW;RR E	600	20 S6	80 oct.No sto.P-line SSW
Romney (W.Va)	2.1 NNE;riv W	750	16 S2	80 oct.Mtns WNW,ESE,SSE
→ Ronceverte (W.Va)	See Boone under "New Facilities" - name changed.			
Salix (Pa)	0.6 S;RR NW	2200	24 S4	80 oct.
Scott (Tiltonsville,Ohio) (NC)	1.5 SSW;riv E	650	25	
Shenandoah (Va)	0.5 SW;hwy W		19 S1	Data unver.
Somerset (Pa)	2 NNE;RR SE	2200	27 S4	80 oct.P-line W.
Star Valley Arpk (Charleroi,Pa)	3 SE;riv E,RR W	765	25 S1	80 oct.Bldg S.
Staunton (Va)	4.4 NE;RR NW	1300	26 S6	80,91 oct.P-line NNE.
Stokes (Front Royal, Va)	2.5 W;riv E	735	19 S2	80 oct. P-line S,E.
(P) Stultz (Altoona, Pa)	10.7 NNE;RR NW	970	30 S6	80,91 oct. P-line E.
SUMMERHILL FM (Pa)	(- - - -)	281°, 22	FM	Altoona
* Sutton Int,21,CC-WA (W.Va)	3.6 ENE;hwys E,S	1264	31 L3	Pole NNE.
Timberlake (Lynchburg,Va)	9.5 SW;RR N	950	26	
Toronto (Ohio)	1.5 NW;riv E	1050	22 S1	80 oct.Trees SSE.
(P) University of Va.(Charlottesville, Va)	5 ESE;riv E	300	35 S6	80,91 oct. Trees ESE. data unver.
Valley (Waynesboro, Va)	1.7 NNE;RR E	1245	29 S6	80 oct.P-line E,SSW.Rnwy
Vandergrift (Pa)	2 WNW	1000	24 S1	80 oct.P-line NW,SE,W blkd.
Weirton (Hollidays Cove,W.Va)	1.5 E	1144	16h S6	80 oct. Data unver.
(P) Wheeling Ohio Co. (W.Va)	7.5 NNE;riv 2 W	1193	50h L5 S4	80,91 oct. Lgts prior req.
Winchester (Va)	3 SSE;hwy E,S	700	22 S6	80 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALLEGHENY CO.			95°	IM-	MM-	OM-
					MMK-201 - - - -(0.80)	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Bedford, (Pa.)	5.2 N jct of hwys	1187	18 S4	Fuel.Data unver.
WHEELING Range(W.VA)	108.3(WN)		VARW	
Tyrone Speedway (Pa)	4.2 SW;riv S	965	23 S4	80 oct.Mt.S.Trees WSW,N,ENE
New Market-Timberv'l	3.4 E;RR E	975	21 S1	80 oct (Timberville,Va)
Luray (Va)	1.5 S;hwy W	900	19 S1	80 oct.Fence NNE,SSW
Elkton (Va)	3 NW;mtn W	1100	19 S1	80,91 oct P-line SW
Culpeper (Va)	1 SW;quarry W	400	17 S6	80 oct P-line NE,SW
Mt Pleasant-Scottdale (Mt.Pleasant,Pa.)	2.8 S;dam NNE	1160	18 S6	80 oct.Trees SE.
E. Pittsburg (Pa.)	10 ESE;lake SW	1150	21 S6	80 oct.Trees NE
Thompson (Monongahela,Pa)	5 E	1240	20 S2	80 oct.NE,SW blkd.
→ Boone (Ronceverte,W.Va)	2 N;hwy SE	2175	19 S6	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

PITTSBURGH 65

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(ESTABLISHED BY ATC REQUEST)

(R): EXTREMELY HAZARDOUS (D): USABLE WITH CAUTION

BUFFALO 51

PITTSBURGH 254 (116.1)

CECIL 219

GREATER PITT. AAF 396 (126.1R)

ALLEGHENY CO 278 (118.7, 126.1R)

MORGANTOWN 269 (116.1)

ELKINS 281 (116.1)

MARTINSBURG 209 (116.1)

FRONT ROYAL 359 (116.1)

GORDONSVILLE 388 (116.1)

ALTOONA 338 (116.1)

LYNCHBURG 206 (116.1)

PRESTON GLENN 248

CHARLOTTE 95

NORFOLK 97

WHEELING OHIO CO.

FOR WHEELING VFR RANGE SEE CHART 144

GREEN CO

PITT.-WILKINS

ALLEGHENY VALLEY

LEECHBURG VANDERGRIFT

HAMILTON

TYRONE SPDWY

HERRON

HOOKSTOWN

TORONTO

WEIRTON

MAYER

E. PITTSBURGH

NEW ALEXANDRIA

PITT BETTIS

HARRISON CITY

KEYSTONE

CRESSON

ALTOONA

HUNTINGDON

LATROBE

JOHNSTOWN

SALIX

GREEN

BLAIR

PITT.-GREENSBURG

BEDFORD

SOMERSET

STAR VALLEY

MT. PLEASANT-SCOTTSDALE

CONNELLSVILLE

GLENDALE

OHIO-W. VA

MORGANTOWN

PA-MD

CUMBERLAND

MEXICO FARMS

MD-W. VA

FORMAN

PITTSBURGH-WASHINGTON

ELK GARDEN

BAKER

ROMNEY

RIDGEWAY

WINCHESTER

MOOREFIELD

BENEDUM

LOUIS BENNETT

LEWIS

ELKINS

PETERSBURG

STOKES

SUTTON

NEW MARKET-TIMBERVILLE

LURAY

SHENANDOAH

CULPEPER

HARTMAN

ELKTON

ORANGE CO

GORDONSVILLE

MARLINTON

W. VA-VA

STAUNTON

WAYNESBORO

VALLEY

AUGUSTA

UNIV OF VIRGINIA

INGALLS

COVINGTON-CLIFTON FORGE

COVINGTON

LEXINGTON

BOONE

GREENBRIER

HARROWS

BUFORD'S

TIMBERLANE

JAMES RIVER

GREEN 5

66

234

243

165

169

371

277

270

94

90

83

64

59

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18

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6

5

4

3

2

1

BLUE 2

BLUE 47

BLUE 39

BLUE 36

RED 21

RED 20

RED 18

RED 17

RED 8

RED 37

RED 33

RED 9

WASHINGTON 67

TO RICHMOND

TO LEESBURG

TO CHARLOTTESVILLE

COLUMBUS 69

WASHINGTON

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Aberdeen Arpk (Md)	0.8 SW;hwy SE	60	24 S4	80 oct.
Aldino (Churchville, Md)	2.2 NE;RR SE	400	20 S6	80 oct.
Alexandria (Pittstown,N.J)	2 WNW;lk NE	340	18 S4	80 oct.Trees ENE.
[Allentown-Bethlehem] (Allentown, Pa)	4.6 NNE;RR NW	392	40h L5 S6	80,91 oct. Use rnwys only. Fld lgts prior req.
ANNAPOLIS NAF (Seaplane) Tower (Md)	2870(142.74)		CN	3105,2870,6420; 142.74 (8-17)
Annapolis (Md)	2 S	25	18 S4	80,91 oct.P-line SSW. Twr SSE.
ARCOLA Range (Va)	233(EC)(116.1)		SRAZ-DV	(3); 116.1
BALTIMORE Range (Md)	257(BO)(116.1)	15°,2.4	SBMRLZ-DTV	(3); 116.1, 122.1
BALTIMORE Tower (Md)	278(118.9,126.18)		C	(4);118.9,122.5,126.18
(NG)[Baltimore Mun.] (Md)	6 SE;RR NE Harbor S	14	46h L5 S6	Ltd100 oct,no maint.for NG.Rdo rqrd.Stacks N,SE
Bellanca (New Castle,Del)	1.5 W;hwy N	30	25h L3 S6	80,91 oct.No bndry lgts. P-line SW.
Berks (Reading, Pa)	4.5 NW;hwy SW	360	23 S4	80,91 oct.Hill NW.
Bethlehem-Easton (Easton, Pa)	4.5 SW;riv S	360	27 S6	80 oct.P-line sur fld.
Biggs (New Castle,Del)	1 NW;RR E	60	19 S6	80 oct. P-line NE.
Blackwood (N.J.)	0.5 ESE;hwy W	65	26 S4	80 oct.P-line N. N/S usable emerg.
Blue Ridge (Herndon,Va)	4 WSW;hwy NE	280	30	P-line E.
BRANDYWINE Range (Md)	379(BDW)(116.1)		SMRLZ-DV	(3); 116.1
Bridgeville (Dela)	1.7 SE;hwy S,W	40	22 S6	80 oct. P-line NW.
Buck's (Bridgeton, N.J.)	3.7 NNE;RR SE	100	20 S4	80 oct. P-line S,W.
BYRD Tower (Richmond,Va)	396(126.18,118.7)		AC (ILS-W)	(4); 122.5,118.7,126.18
(A)[Byrd](Richmond, Va)	7.3 ESE;RR S	167	50h L5 S4	73, 100 oct.
CAP (Westminster, Md)	2.6 N;hwy E	780	20 S4	80 oct. P-line E,NE.
Cargill(Granville,Pa)	1.5 SW;RR SE	490	20 S6	80 oct. Obsts sur fld.
Carlisle (Pa)	1.8 WSW;RR N	480	23 S6	80 oct.
Centerville (Carlisle, Pa)	11.3 SW;RR N	660	23 S6	Trees N, NE. (NC)
Central (Richmond, Va)	2.5 ENE;RR W	172	45 S6	80 oct.Poles WNW,SE.
Chambersburg (Pa)	1.2 SSE;RR SW	650	22 S6	80 oct.E/W strip rough.
CHINCOTEAGUE Navy Range	227 (NKZ)	98°,4.5	MRLZ	3105, 4495; 142.74 (Va)
CHINCOTEAGUE NAAS Twr	3295 (142.74)		CN	(3); 142.74 (8-17) (Va)
(N) Chincoteague NAAS (Va)(N)	4.5 WNW;hwy S	38	60h L5 S4	100 oct.
Coatesville (Pa)	1.6 W;RR S	623	26 L1 S4	80 oct. Obsts sur fld.
Convair (Allentown, Pa)	3 SSW	399	40h	
Currell's (Weems, Va)	1 N;jct of rivs		17 S1	80 oct.P-line SE.Use strips only. Data unver.
DAHLGREN NAF Tower (Va)	375 (142.74)		CN	(3); 142.74 (8-16 except Sun)
(N) Dahlgren NAF Proving Grounds (Va) (N)	0.5 E	20	40h L5 S2	100 oct. CLOSED.
Davis (Gaithersburg, Md)	7.5 NNE;hwy E	640	26 S6	80,91 oct.Trees ESE.
Delmarvia (Salisbury, Md)	2.8 NE;hwy W	45	21 S6	80 oct.P-line N,E,NE.
Devener (Hanover, Pa)	2 NNE;hwy W	590	20 S6	80,91 oct.
De Vries (Lewes, Del)	1.3 NW;bay N	10	20	
Diffendahl (Baltimore, Md)	11 ESE;riv S	20	23 S2	80 oct. Trees all appchs.
Dixie (Annapolis, Md)	10.7 W;hwy N	120	22 S4	80 oct. Hwy N,W.
Doersom (Gettysburg,Pa)	2.4 NW;RR N	590	19 S6	80 oct. Trees SW.
Dover Arpk (Del)	2.2 N;RR W	37	25 L S6	80,91 oct.Port floodlgts. P-line W, SW.
(A) Dover AAF (Del) (A)	4 SE;hwy E	28	70h L1	TMP INACT.
DUPONT Tower (Del)	388		C1	3105,3117.5,5582.5(8-20 daily except Sun.)
DuPont (Wilmington, Del)	3 WNW;RR E	185	29 L4 S6	80,91 oct. SW blkd.
(P) Easton (Md)	2.2 N;RR E	66	40h L S6	80,91 oct.Port lgts.
(A) Edgewood Arsenal (Md)(A)	1.3 S	18	50h L5 S4	91,100 oct.CLOSED.No bcn
Emmaus (Pa)	1.3 W	435	19 S2	80 oct. N blkd.
Estler (Mohrsville, Pa)	3.5 W;pond W	390	22 S6	Ltd 80 oct. Trees W.
Faybrook (Rock Hall, Md)	1.5 NNW;bay W	20	14 S1	80 oct. Trees WNW,NNE, ESE.
Fogelsville (Pa)	0.7 E;RR SE	460	15 S4	80 oct.
Frederick City (Frederick)	1.8 E;riv E,N	305	49	(Md)
Gettysburg (Pa)	2.8 NNW	600	24 S3	80 oct. RR SW.
Gill (Chestertown, Md)	1.5 NNE;RR W	60	32 S2	80 oct.P-lines W,SW,NW blkd
Glenburnie-Whipp (Md)	1 E;hwy W	56	30 S6	80 oct. P-lines sur fld.
Greenwich (N.J.)	2.5 W;riv SW	30	21 S6	80 oct. Trees N.
Grimes (Bethel, Pa)	1.7 ENE;hwy S	582	29 S6	80,91 oct.Mtn NE.
Hagerstown (Md)	4.2 N;hwy E	700	39h L3 S6	80,91 oct.Lgts on req.
Harcum (Va) (NC)	0.2 NW	85	40	Poles.Rnwy data unver.
Harrington (Del)	1.5 E;RR 1 S	50	27 S1	80 oct. P-lines SE,SW,W.
Hermitage (Richmond,Va)	3.2 NNW;RR W	200	20 S6	80 oct.Trees,poles WNW. E, W.
HARRISBURG Range (Pa)	242 (HX)(116.1)	118°,1.1	SBRAZ-DTV	(3); 116.1
HARRISBURG Tower (Pa)	278(118.7)		AC	(4); 118.7, 122.5
(N)[Harrisburg State] (Pa)	3.5 S;RR N	344	40h L5 S4	80,91 oct.Svcg days NATS.
Hershey (Pa)	1.1 NNW,RR S	415	21 S2	80, 91 oct.
Hickman (Ocean City, Md)	7.5 NW;riv S	15	25 S4	80,91 oct. Flares on req.
Holly Brook (Laurel, Del)	1.5 N;RR,hwy W	40	25 S1	80 oct.
Hummel (Hartfield,Va)	3 N	30	21	Obsts sur fld. (NC)
Johnson (Ononcock,Va)	1 ESE;RR E	35	22 S1	80 oct.
Kellam (Weirwood, Va)	0.3 SW;RR E	15	21 S4	80 oct. Trees NW.
Kent (Worton, Md)	1 N; RR S	60	23 S2	80 oct.
Kroelinger (Vineland, N.J.)	2.5 NNW;RR E	100	16 S6	80 oct. P-line S, E.
Kutztown (Pa)	1.5 S;RR SE	400	25 S4	73 oct. blkd.
Lancaster (Pa)	1.5 NNW;RR SW	320	28 S6	80,91 oct.ENE,NE,WSW
Lancaster,35,CO-PG (Pa)	5.5 N;hwy W	385	27h L4 S4	80 oct. Poles S, WSW.
Laurel (Dela)	1.5 SW;hwy E	30	19 S2	80,91 oct. P-line SE
Layfield (New Hanover, Pa)	2 NE;hwy W	320	17 S6	80 oct. Trees NE.
Lebanon Co.(Myerstown)	1.8 W;hwy S	525	17 S5	80 oct. (Pa)
Lee Annapolis (Annapolis, Md)	4.8 WSW;hwy E	30	28 S1	73,91 oct. P-line ESE Rnwy data unver.
Leesburg Arpk. (Va)	0.7 ESE;hwy S	280	20	P-lines NE.
Lewistown (Pa)	4 SW;riv SE	560	20 S6	80 oct P-line NW.
Lively Int,6,NW-WA (Va)	3.4 WSW;riv W	15	34 L3	35' trees, bldgs NW.
Lovett (Elkton, Md)	3.1 NNE;RR 1 SE	140	22 S4	80 oct
Madeira (Reading, Pa)	3.2 N;RR W	360	21 S6	80 oct Trees W.
Manassas (Va)	2.7 NW;RR S	250	22 S6	80 oct Obst sur fld
MARTIN Tower (Md)	317		C1	(4) (8-sunset,Mon -Fri)
Martin (Baltimore, Md)	10 E;RR N	18	70h	PRIVATE.
(P) Martinsburg (W.Va)	4 S;hwy W	550	50h L5 S6	80, 91, 100 oct.No flood
Mattaponi Sky Club(Croom)	1.6 SE;hwy 1 W	30	31 S1	80 oct. (Md) lgts.
(P) Melfa Flight Strip (Va)	1.3 W	48	70h	
Midway (Showell, Md)	1.1 SE;hwys W,S	20	30 L S4	80 oct. P-line SSW Flare pots on req
Midway (Chester, Va)	2 E;hwy S	178	26 S6	80 oct P-line W.
Millard (Annville, Pa)	1.5 SW	480	18h S5	80, 91 oct.
MILLVILLE Range (N.J.)	365(NV)(116.1)	144°,4.3	SBRA-DTV	(4); 116.1
(P) Millville (N.J.)	3.3 SW;lk N	68	50h L5 S6	80,91 oct.Flood lgts on req
(P) Mount Union (Pa)	4 S;hwy E	560	30 S6	80, 91 oct. E blkd.
MT. VERNON H Fac. (Va)	269 (W)	209°,8.2	FMHW	(Cont.) Washington, D C
NEW CASTLE Range (Del)	350 (NC)	19°,2.8	MRLZ	Replies on tower freq except on req.
NEW CASTLE Tower (Del)	219 (118.5, 126.18)		C1	(4); 118.5, 122.5, 126.18
(NG) New Castle County (New Castle,Del.)	4.8 SW;hwy SE	75	70h L5 S6	80,91 oct.;73,100 oct.NG Emerg.rprs mil.acft
New Hanover (Pa)	0.5 W;hwy SE	300	18 S2	80 oct.
North End (Martinsburg)	2.5 NNE;RR W	515	28 S2	80 oct.P-line S. (W.Va)
Northfield (Richmond,Va)	6.5 N;riv NE	180	18 S4	80 oct.
OLMSTED Tower (Pa)	396 (126.18)+		CA - :45.05	(4); 126.18
(A) Olmsted (Middletown,Pa) (A)	1 W;RR N	300	50h L5 S6	62-100 oct. JP-1.Poles NE,N. Riv S.
Paoli-Malvern Arpk (Malvern, Pa)	1.3 SSE	460	24 S4	80 oct. Trees NE,SE,SW.
Parksley (Va)	0.6 WNW	25	18 S4	80 oct.
Parnell (Richmond, Va)	4 S;RR E,W	120	19 S6	80,91 oct.P-line NW.
PATUXENT RIVER Navy Range (Md)	215(NHK)	57°,4.4	MRLZ-D	(3); 142.74
PATUXENT RIVER NAS Tower (Md)	347 (142.74)		CN (GCA)	(3); 142.74
(N) Patuxent River NAS (Md)	2.9 NE Jarboes	38	97h (L6) S4	91,100 oct. JP-1.NATS (N)
Penn-Harris(Harrisburg)	4 ESE;RR N	400	18 L S6	80,91 oct Floodlgts (Pa)
Penns Grove (N.J.)	3 SE;lk ENE	10	23 S4	80 oct. Obsts sur fld.
PHILADELPHIA Range (Southwest) (Pa)	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
Philadelphia Main Line (Paoli, Pa)	2.8 WNW;hwy S	310	21 S4	No fuel. P-line ESE.
PHILLIPS Tower (Md)	215 (126.18)		CA	(3);126.18(8-18,Mon.-Fri) (8-1630,Sat., and Sun.)
(A) Phillips (Aberdeen,Md)(A)	3.2 S;RR W	57	50h L5 S1	73,100 oct. CLOSED.
Phoenixville (Pa)	3 NE	300	24 S4	Data unver.
Pimlico (Baltimore,Md)	6 NW	449	32 S6	80, 91 oct. E blkd.
(N) Piney Point (Md)	0.8 WNW	10	14h	Use rnwys only.
Pottstown (Pa)	4.5 E;hwy N	311	30 S6	80 oct. Bldg NW.
QUANTICO Navy Range (Va)	203 (NYG)	20°,4.6	MRLZ	3105,4495 (MCAS)
(A)[Reading] (Pa) (NG)	3 NW;riv E	342	52h L6 S6	80,91 oct.Ltd maint,100 oct Army.
Rehoboth Aircrafters (Rehoboth Beach,Dela)	2.5 W;hwy N	10	35 L S6	80,91 oct.Port lgts on req. P-lines WNW,E,W.
Red Lion (St.Georges,Del)	3.2 N;hwy W	50	19 S4	80 oct.
Reigel (Campbelltown,Pa)	1 N;hwy N	475	20 S4	80 oct.
Reynolds (Culpeper, Va)	4 NNE;rd W	470	19 S4	80 oct.Trees NNE,SSW
RICHMOND Range (Byrd)	260(RW)(116.1)	20°,1.9	SBRAZ-DTV	(3); 116.1 (Va)
Rock Hall (Md)	2.4 NNE;hwy W	30	30 S4	80 oct.
Rutherford (Baltimore,Md)	7 W;RR W	500	23 S6	80 oct. Twr N.
Salem (N.J.)	2 ESE;rd S	15	22	CLOSED.
Salisbury (Md)	5.3 ESE	52	50h L5 S1	91 oct. Lgts prior req.
Schuylkill (Pottsville,Pa)	8.3 ESE;lk SE	510	29 L S6	80 oct.Port rnwy lgts.Hills E, NE, SW.
Seabrook (Bridgeton,N.J.)	4.5 NE;RR W	110	24 S1	80 oct.P-line W, WSW.
Shady Side (Md) (NC)	1.8 SSW	10	15 S4	80 oct SSW blkd
Shannon (Fredericksburg, Va)	1.6 SSE;riv E	50	23 S6	80 oct.
Sky View Acres (Muncy, Pa)	1 E	510	24 S4	Data unver.
Stevens (Frederick, Md)	5.8 N;hwy E	440	28 S6	80 oct. NE blkd.
Stowe-Pottstown (Pottstown, Pa)	1.7 NW	245	26 S6	80 oct. P-line S.
Sunset Airways (Chambersburg, Pa)	3.5 NNE;RR NNW	650	24 S4	80 oct. P-line E,NNW.
Sussex (Frankford,Del)	1.5 N;hwy W	30	20 S4	80 oct.Port flares on req.
(P) Sussex Co.(Georgetown, Del)	1.5 E;RR NW	51	50h L5 S1	80,91 oct.Lgts prior req.
Swatara Valley (Pine Grove, Pa)	4 WSW;RR N	480	21 S4	80 oct.
Taneytown (Md)	2.9 WNW	500	23 S4	80 oct. SW blkd.
Tappahannock Flight Strip (Va)	0.8 W	30	40h	8000' strip avail.
Taylor (New Kingston,Pa)	0.5 SE;hwy N	440	28 S6	80 oct. P-line N.
Valley Arpk (York, Pa)	3 ENE;RR N	420	21 S6	80 oct. Poles SSE,NNW.
Vineland (N.J.)	4.3 SSW;RR 1 E	65	24 S6	80 oct. P-line E. Use center of strips.
WASHINGTON Range (D.C.)	332(WA)(116.1)	25°,0.9	SBRAZ-DTXV	(3); 116.1
Waynesboro (Pa)	3 SE;hwy N	700	20h S6	80 oct.
Waynesboro (Va)	3 W;hwy N	1500	26 S1	80 oct.Trees WSW.
Webb (Easton, Md)	2.5 E	50	26 S6	80 oct. P-line S,SE.
WEBSTER Tower (Md)	3345 (142.74)		CN	3105;142.74 (24 hrs. advance notice)
(N) Webster (Beachville,Md) (N)	0.8 WSW;riv N, W	21	50h	Trees ENE.
West Chester (Pa)	2.5 NE;lk S	470	32 S4	80 oct.
(P) West Point (Va)	2.3 ESE	24	50h S4	80,91 oct. Riv SSW.
Woodstown (N.J.)	3 NW;hwy N	100	22 S4	80 oct. Hedge SSE.
Womelsdorf (Pa)	3 NW;hwy E	540	13 S1	73 oct.
York (Pa)	8.3 WSW;RR E	500	19 L S6	73,80 oct.Floodlgts.Pole N
Zieger (Warrenton, Va)	3.7 S;hwy NE	440	20 S4	80 oct. Hill W, NW.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC	LTR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
BYRD	109.9				MM- •-•- (0.90)	OM- --- (4.36)
					MMK-	OMK-
READING	109.5		332.6	1°	MM- •-•-• (0.59)	OM- --- (4.5)
					MMK-	OMK-
					MM-	OM-

NEW FACILITIES

Shallcross (Middletown,Del)	1.2 NNW	60	26 S4	80 oct.N,E,S blkd.
READING Tower (Penn)(NC)	281		CA (ILS-W)	No scheduled oper. AAF Reserve & NG Trng.
Pleasant Valley (Arcola,Va)	2.7 ESE	320	20 S2	80 oct.N blkd.
Rockville-Danielsville (Danielsville,Pa)	1.7 E;RR N	720	20 S6	80 oct.Hill N;p-line E.
Oliver (Millville,N.J.)	1.3 NE;rds NW	50	19 S6	80 oct.P-line N.
Bridgeton-Deerfield (Bridgeton,N.J.)	8.5 N;hwy E	125	19 S2	80 oct.P-line E.
Trexlertown (Pa)	0.7 E	430	24 S4	Data unver.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

WASHINGTON 67

●COMPULSORY REPORTING POINT
○NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
Ⓡ EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

HARRISBURG 242 (116.1)
HARRISBURG STATE 278kc 118.7mc
OLMSTED AAF 396 (126.18)
NEW CASTLE CO. 219KC. 118.5, 126.18MC.
DU PONT 388
PHILADELPHIA 266 (116.1)
NEW CASTLE 350
BALTIMORE 257 (116.1)
BALTIMORE 278(118.9, 126.18)
MILLVILLE 365 (116.1)
PHILLIPS AAF 215(126.18)
EDGEWOOD ARSENAL AAF
MARTIN 317
WASHINGTON 332 (116.1)
MT. VERNON (W) 269
NAF. ANNAPOLIS 2870 (142.74)
NAS. PATUXENT RIVER 215
NAS. PATUXENT RIVER 347 (142.74)
NAF. DAHLGREN 375(142.74)
BRANDYWINE 379 (116.1) Ⓡ
MCAS. QUANTICO 203
ARCOLA 233 (116.1)
NAAS. CHINCOTEAGUE 227
NAAS. CHINCOTEAGUE 3295 KC. 142.74 MC.
RICHMOND 260 (116.1)
BYRD 396(118.7 126.18)
BLACKSTONE 371
NORFOLK 97
NAS, PATUXENT RIVER APPROACH ZONE INCLUDES AIRSPACE UP TO 4000' M.S.L.
FOR DETAILS IN THIS AREA SEE CHART 69

LOCATION	FREQ., IDENT.	BEAR. & DIST.	STA. CLASS	FREQS. GUARDED, HRS. OF OPER., REMARKS
DISTRICT OF COLUMBIA				
ANACOSTIA NAS Tower	396(142.74)		CN	(3);142.74(7-sunset & on req.)
BOLLING Tower	21[illegible]6.18, 137.88)+		CA	(3); 126.18,137.88
WASHINGTON Range	[illegible]A)(116.1)	25°,0.9	SBRAZ-DTXV	(3); 116.1
Washington Nat'l. Tower	278 (126.18, 118.1)		AC (ILS-W)	(4);118.5,126.18,122.5 (GCA test basis)
MARYLAND				
ANDREWS Army Range	248(DCM)	10°,1.2	MLZ	
Andrews Tower	317 (126.18)+		CA(ILS-W)(GCA)	(3); 126.18
BELTSVILLE FM	(-)	41°,17.6	FM	Washington, D.C.
DONCASTER FM	(. . - - -)	209°,24.7	FM	Washington, D.C.
PENNSYLVANIA				
BOOTHWYN FM	(- - -)	260°,9.5	FM	Philadelphia
HOLMESBURG LFM	(- - -)	238°,6.5	LFM	NE Philadelphia
JOHNSVILLE Tower	284(142.74)		CN	3105 cont.;4495,6210;116.1, 126.18,140.58,142.74 on req. (8-1/2 hr. past sunset)
MUSTIN NAAF Tower	251 (126.18, 142.74)		CN	(3); 126.18,142.74 (7-sunset, other hrs. on req.)
PHILADELPHIA SW Range	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
Philadelphia SW Tower	278 (118.1)		C (ILS-W)	(4);118.1,122.5
Philadelphia NE Range	371 (NF)	238°,2.9	MLWZ-DT	
Philadelphia NE Tower	212		CI	(4)
WILLOW GROVE Navy Range	391 (NXX)	241°,3.3	MRLZ	(3); 142.74
Willow Grove NAS Tower	356 (142.74)		CN	(3); 142.74 (days only except on 1 hr's advance notice)
WINGS Tower	278		CI	3105 (9-17)
VIRGINIA				
ALEXANDRIA LFM	(- - -)	209°,2.4	LFM	Washington, D.C.
HERNDON FM	(- - - -)	317°,21.8	FM	Washington, D.C.
MOUNT VERNON H Fac	269 (W)	269°,8.2	FMHW	(Cont.) Washington.D.C.
MOUNT VERNON FM	(. . - - -)	209°,8.2	FM	Washington, D.C.
QUANTICO Navy Range	203 (NYG)	20°, 4.6	MRLZ	3105, 4495
Quantico MCAS Tower	3295 (142.74)		CN	(3); 142.74
NEW RADIO FACILITIES				
BRANDYWINE Range (Md.)	379(BDW)(116.1)		SMRLZ-DV	(3);116.1

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ANDREWS (A) (L6)	110.3	335	10°	IM- (0.05)	MM- (1.20)	OM-
					MMK-379	OMK
PHILADELPHIA SW	109.9	333.8	85°	IM-	MM- ·—·— (0.66)	OM- — — (5.66)
					MMK-	OMK-230 ··— — ·
WASHINGTON	109.9	333.8	360°	IM- ····· (0.03)	MM-	OM- — — (3.60)
					MMK-	OMK-

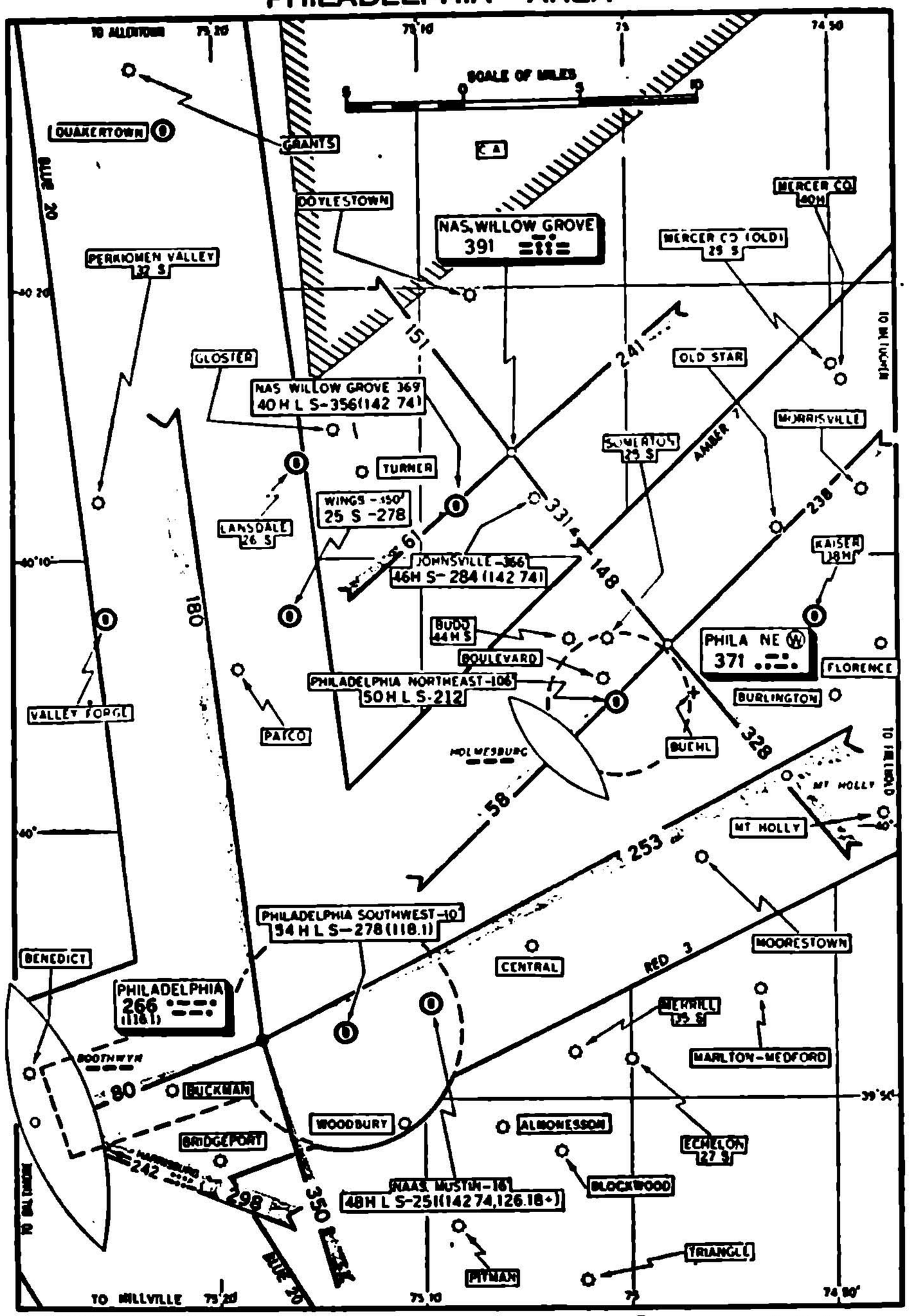
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
DISTRICT OF COLUMBIA				
(N) Anacostia NAS (Washington) (N)	2.4 SE of Monument	10	50h R1 L5 S6	100 oct. No bcn
(A) Bolling (Washington) (A)	3 SSE of Monument;rivW	20	60h R1 L5 S6	80,91,100 oct.JP-1E blkd.
(A,N) WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct. JP-1 on req. FOREIGN CLEAR. STN. Rdo reqr. NATS
MARYLAND				
(A) Andrews (Camp Springs)(A)	1.5 E;hwys N,W,	279	55h R3 (L6) S6	80,91,100 oct.JP-1
(N) Beltsville OLF (N)	5 ESE NE	180	44h	
Capital (Berwyn)	2 NW; RR E	70	20	NOT MAINTAINED.
College Park	8.5 NE of D.C.	50	22 S6	80,91 oct.S,NW blkd.RR NW
Columbia Air Ctr. (Croom)	3 E;rivE	40	33 S6	80,91 oct,Trees N,NW.
Congressional (Rockville)	2 SSE; hwy E	450	33 S6	80 oct. Pole line E, NE.Allway
Curtis (Brandywine)(NC)	3 SSW; RR E	200	18	Pole line N, W. fld.
Erco (Riverdale)	0.4 NE; RR W	50	15h S2	80 oct.Closed. 2800' rnwy avail
(A) Fort Meade (A)	0.5 NE ctr of reservation	180	19h S1	80 oct.
MARYLAND				
Hyde (Clinton)	2 WSW	249	32h L S6	80, 91 oct.Port flood lgts on req.
Maryland (Pomonkey)	0.2 S; RR S	170	32 S6	80,91 oct. SSE blkd.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct. NE blkd.P-line SE.
Schrom (Greenbelt)	0.3 SW; hwy W	177	50h L S6	80,91 oct.Floodlgts on req.SSE–blkd.
NEW JERSEY				
Almonesson (Blackwood)	1.9 NW;RR E	50	21 S6	80 oct.Obst sur fld.NE, SSE.
Bridgeport	0.8 ESE; RR N	23	18 S4	80 oct.
Burlington Airpark	1.7 ENE;hwy NNW	30	24 S4	80,91 oct. P-line E,SSE,NNW
Central (Camden)	1.8 E;riv S,W	20	25h L4 S5	80,91 oct.
Echelon (Ashland)	0.5 SE; RR W	100	27 S6	80, 91 oct. Pole line NW.
Marlton-Medford Inc.(Marlton)	1.5 ENE	80	30 S2	80 oct.
Mercer County, new (Trenton)	5 NW; RR SE	211	40h	
Mercer County, old (Trenton)	5.8 NW; RR E	200	25 S1	73, 80, 91 oct.
Merrill (Barrington)	1 ESE; RR E	70	35 S6	80 oct. No sto.Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 L S4	80,91 oct. Port rnwy lgts on req.
Pitman	1.6 NNW;RR E	100	19 S6	80 oct. P-line SE,SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2	80 oct. Pole line SW.
PENNSYLVANIA				
Benedict (Chester)	6.5 W	400	26 S2	80 oct. Data unver.
Boulevard (Philadelphia)	12 NE;RR SW	160	22 S4	80 oct. Obsts sur fld.
Buckman (Chester)	2.3 WSW;RR NW	90	20 S4	80 oct. No sto.
Budd (Philadelphia)	13 NE;RR N	240	44h	Trees E,W.
Doylestown	1.5 NNE;RR SW	400	22 S6	80 oct.
Gloster (Montgomeryville)	0.7 SE;hwy W	460	22 S1	80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW;hwy E	600	18 S6	80 oct.
(N) Johnsville (N)	0.5 N;RR E	366	46h R1 L5 S1	91,100 oct,P-line W,NW.
Kaiser (Bristol)	2 N; riv SE	35	38h	Pole line SW. RESTRICTED.
Lansdale	1.6 ESE	450	29 S6	80,91 oct. P-line N,NE,E,S,W.
Morrisville	1.6 W; riv E	180	24 S6	80 oct.P-line NE,E,SE,SW,W,NW.
(N) Mustin NAAS (Philadelphia) (N)	4 S; riv S	16	48h R1 L5 S6	100 oct. Obst sur fld.
Old Star (Langhorne)	2.4 E; RR N	180	24 S5	80 oct. No sto. Poles N, S.
Patco (Norristown)	2.5 SE;bet RRs	200	19 S6	80,90 oct. No sto.
Perkiomen (Collegeville)	1.5 NE;rds NE	280	32 S6	80 oct. P-line N,NE,E,SE.
(P) Philadelphia Northeast	12.2 NE;riv 1.5 SE	105	50h R2 L5 S6	80,91 oct.No flood lgts.
PHILADELPHIA SOUTHWEST	6.5 S.W;riv SW,S	10	54h R3 L6 S6	80,91 oct. Rdo rec rqrd.
Quakertown	2 W; hwy E	520	21 S4	80 oct. No sto.
Somerton (Philadelphia)	14 NE;RR N,E	200	25 S6	80 oct. Poles N,S,W.
Valley Forge (Norristown)	4 WNW;riv NW	250	24 S6	80 oct. Riv SE.
(N) Willow Grove NAS (N) NATS	4 NNW;hwy E	369	40h R2 L5 S4	91,100 oct. No sto.
Wings (Ambler)	3 WSW;rds E,W	350	25 R1 S6	80,91 oct. Trees N,S.
VIRGINIA				
Beacon (Alexandria)	3 SSW;hwy E	246	27 L4 S6	80,91 oct. P-line SE,S,SW,NW blkd.
Crossroads (Alexandria)	4.5 NW;hwy NE	250	27	Bcn;flood lgts prior req.
Falls Church	2 SW;hwy N	350	25 S4	80 oct.E,W blkd.
Hybla Valley (Alexandria)	See Alexandria under "New Airports" - name changed.			
(N) Quantico MCAS (N)	1.2 SSW;RR W	10	42h R2 L5 S6	73,91,100 oct.
Springfield (Annandale)	3.5 SSE;RR E,N	240	20 S4	80 oct. No sto. Obsts sur fld.
NEW AIRPORTS				
Woodbury (N.J.)	1.8 SSW;RR N	50	21 S4	80 oct.
Alexandria, (Va.)	4.5 SSW;hwy E	66	50 S6	80 oct.Trees,pole lines surfield.
Turner (Lansdale, Pa.)	4.2 ESE	375	19 S6	80 oct.
Worth (Florence,N.J.)	1 SE;riv N	50	24 S4	80 oct.P-line WSW,NW.Trees S.
Mt Holly (N.J.)	1 N;rd N	70	22 S1	80 oct.Use strips only.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

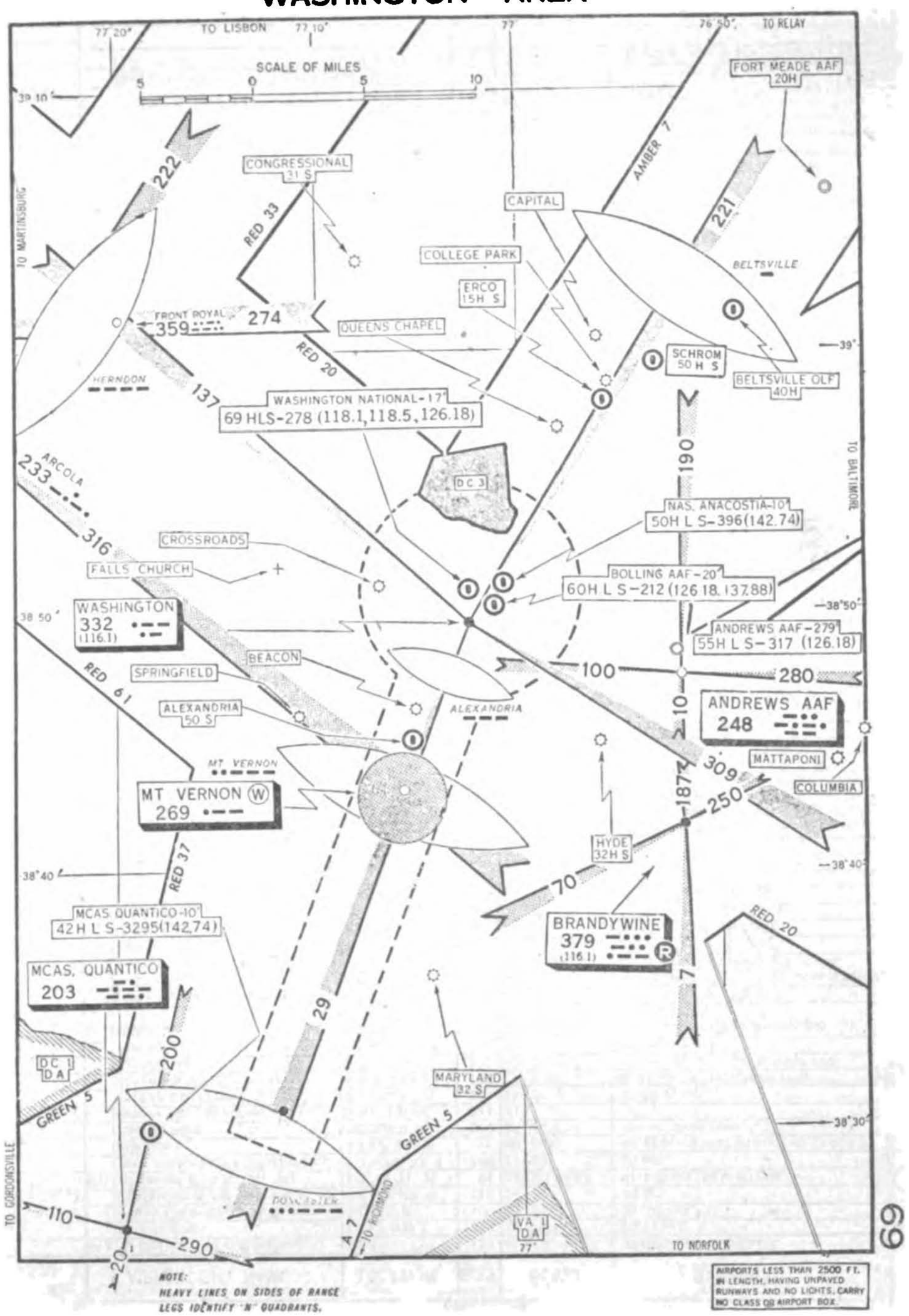
PHILADELPHIA AREA



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

WASHINGTON AREA



Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT BOX.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASBURY PARK FM	(-)	FM, 62°, 20	Lakehurst NAS.
ATLANTIC CITY NAS	275(142.74)	CN(GCA)	(3): 142.74 (8-sunset)
CALDWELL-WRIGHT	260(126.18)	CI	(4);126.18,122.5 (830-sunset, Mon-Sat,9-sunset Sun)
CASSVILLE FM (Navy)	(- - - -)	FM,337°,3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°, 1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM, 157°, 15	Lakehurst NAS
FREEHOLD FM	(- . - . -)	FM, 222°, 47.5	La Guardia, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295 (142.74)	CN; 157°, 0.7	(3); 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
MATAWAN	108.7 (MW)	VARW	
METUCHEN FM	(. . - - -)	FM, 238°, 13	Newark
NEWARK	341 (NK)(116.1)	SBRAZ-DTV158°,1.0	(3); 116.1
Newark Airport	278(126.18,118.3)	AC(ILS-W)	(4); 122.5,126.18,118.3
TETERBORO (Bendix)	326	CI	3105,6210,3117.5;122.5
NEW YORK			
CLASON POINT LFM			DECOMMISSIONED
FLATBUSH	353 (F)	FMHW;222°,16.1	(Cont.) La Guardia
FLATBUSH FM	(- - -)	FM, 222°,16.1	La Guardia
FLOYD BENNETT (New York)	379 (FB)	SMRLZ-DT	(3)
Floyd Bennett Fld NAS	388(142.74)	CN(GCA):122°,1.9	(3);142.74 (8-17)
Floyd Bennett Fld NAS (NC)	532(NSC)	MHW; 122°,0.15	(8-17 on req.) (Floyd Bennett)
GRUMMAN (Bethpage,L.I.)	323	CI	(7-2359 Mon-Sat)
IDLEWILD	248 (NY)	SMRLW, 72°,2.3	
LA GUARDIA (New York)	209(LG)(116.1)	SBRAZ-DTXV;222°3.2	(3);116.1
La Guardia Field	382(126.18 ,118.1,118.7	AC (ILS-W)	(4);126,18,118.1,118.7,122.5, & airline freqs.
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 weekdays)
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAZ-DT;30°,3.2	(3)
Mitchel Field	396(126.18) +	CA(ILS-W)(GCA)	(3);126.18(approach control)
NEW YORK (La Guardia)			DECOMMISSIONED
NEW ROCHELLE FM	(-)	FM, 42°, 5.6	La Guardia
NEW ROCHELLE	275 (R)	FMHW;42°,5.6	(Cont.) La Guardia
PORT CHESTER FM	(- -)	FM; 42°, 16.5	La Guardia
REPUBLIC FIELD(Farmingdale)	371	CI	(3) (days only)
ROCKAWAY PARK LFM	(- -)	LFM, 122°, 5.0	Floyd Bennett
PENNSYLVANIA			
PHILADELPHIA NORTHEAST	371 (NE)	MLWZ-DT;238°,2.9	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCAT'ZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LA GUARDIA	109.9	333.8	44°	IM-		MM- ·-·- (0.81)	OM- --·(4.49)
						MMA-233 --·	OMK 317 -·-·
MITCHEL(L6)(A)	110.3	335	301°	IM-	(0.04)	MM- ·····(0.87)	OM- --·(4.14)
						MMK-257 -·-	OMK-272 -·-·
NEWARK (L6)	110.3	335	58°	IM-		MM- -·-· (0.61)	OM- -·- (4.64)
						MMK-201 -·-·	OMK-

S Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + —Army A C S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Acft.Radio Corporation(Boonton)	2.6 N;riv S	550	32	Poles N,E.PRIVATE
Asbury Park Inc (N.J.)	3.3 NW;hwy SE	60	22 S6	80 oct,P-line NW.Trees SE.
Asbury Park Air Terminal	4.5 W;rd N	100	24 S2	80 oct. 125' tank E.
Atlantic City	1.3 WSW;RR N	11	31 S2	80,91 oct.Ltd sto.350' tank E,lgtd.
(N) Atlantic City NAS (N)	10 NW;RR NE	70	50h R1 L5 S4	80,100 oct Lgts prior req.
Caldwell-Wright	2.4 N;riv N	175	47h R1 L1 S1	Rest'd to factory operations.
(CG) Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED.
Cavoli's (Richland)	1.5 W;RR N	100	20 S6	80 oct. Pole line NNE.Trees WNW
Clarke (Ocean City)	2.8 SW;RR SE	8	23	
Coyle (Chatsworth) (NC)	6 ESE;hwy NE	190	18	Emerg only.
Downstown (Landisville)	1.8 WNW;RR S	120	25 S6	80,91 oct.Obst sur fld.
East Hanover	1 N	170	15 S2	80 oct. Pole line W.
Forked River	1 ESE;riv S	12	18 S4	80 oct.
NEW YORK				
Trenton-Robbinsville (Robbinsv'l)	1 ESE;rd N	115	40 L4 S6	80,91 oct.No bcn.N blkd.(N.J.)
Brown (Hillstown,N.J.)	1.5 SW;RR NE	540	40 S1	80 oct.PRIVATE.Emerg only.S,N blkd.
Mahalchik (Columbus,N.J)	2.8 S;hwy W	60	20	Unusable in wet weather.
Mid-Jersey(New Brunswick,N.J)	3 WSW;hwy SE	120	18	Emerg. use only. P-line SE.
Forsgate Arpk(Jamesburg,N.J)	1.6 SW;RR E	150	24 S6	80,91 oct.P-line N,NE,SW.Twr N end.
CALCO STACK H Fac (N.J.)	347 (V)		MHW, 58°,3.7	
LINDEN H Fac (N.J.)	359 (Q)		MHW238°, 5.0	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted).

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Ft. Dix AAB (Wrightstown)(A)	1 SE	120	81h	TMP INACT.NO FACS.
Hackettstown	2 SSW;riv E	560	30 S4	80,91 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80,91 oct.
Hightstown & Air Service	1.3 SW;RR W	110	19 S6	80 oct.
(N) Lakehurst NAS (LTA) (N)	1 NNW;riv N	94	38h R2 L5 S6	91,100 oct. Lgts on req.
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Lakewood	2.8 SE;hwy N	32	26 L S4	80,91 oct.Flood lgts on req.Trees W.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Pole line N, SE.
Mercer Co. (Trenton)(new)	5 NW;RR SE	211	41h	
Mercer Co. (Trenton)(old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co. (Belmar)	5.5 W;hwy E	180	35 L S6	80,91 oct.Flood lgts on req.
Morristown	3 E;RR N	187	40h L5 S4	80 oct. No sto. Lgts prior req.
Murchio (Paterson)	4.5 WNW;rd N	350	32 S4	80 oct. Trees N.
(A) NEWARK	3.5 SSE;RR E	18	79h R3 (L6) S6	80,91,100 oct.JP-1.2-way rdo rqrd. FEE
North Brunswick(New Brunswick)	2 SW;RR E	120	25 S2	No fuel.Poles ENE,ESE.
Northwest Jersey (Clinton)	3.6 W,RR S	380	22 S4	80 oct.Poles N,S. P-line N,WSW.
Ocean Co. (Brenton Wood)	1.5 SE;crk S	18	29 L S6	80,91 oct. Port flood lgts on req.
Pennington	2 ESE;hwy S,E	230	24 S4	80 oct.P-line ESE,SSE.
Princeton(Rocky Hill)	1 W riv E	160	19 S1	80 oct,P-line ENE,SSE.
Red Bank	1 S;hwy E	80	26 S6	80,91 oct. P-line W,S,N.
Shinn-Woodbridge (Woodbridge)	3.9 NW;RR E	120	21 L S4	73,80 oct.Pole line SE.
Smith C.H. (Cape May)	2.2 NE;hwy NW	20	19 S2	80 oct.P-line E,NW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	45 L S6	80,91 oct. Port lgts on req.
Somerset (Somerville)	4.6 NW;RR SE	105	20 S5	80,91 oct. Trees W.
Somerset Hills (Basking Ridge)	1.6 SE;RR S	250	24 S6	80 oct. Pole line W. Rdo rcvr rqrd.
(P) Teterboro-Air Term.(Bendix)	0.5 SW;RR NW	5	30h R1 L5 S6	80,91 oct.No bndry lgts.Rnwy lgts on req.Rnwy data unver.
Trenton (NC)	6 NE;hwy NW	70	15 S1	80 oct,P-line W.
Trinca (Andover)	2 WSW;RR E	600	24 S6	73 oct. Restricted to USFS.
Westfield (Rahway)	2 W;lake N	100	24 S4	80 oct. No sto.Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h S6	80 oct.
(P) Woodbine	2 SE	39	33h L1 S6	80,91 oct,Bcn on req.
NEW YORK				
Bender's-Brentwood (Brentwood)	1 ENE;RR N	85	10	CAUTION - construction. (NC)
Carll Skyport (Commack)	1 S;RR N,S	140	24 S1	80 oct. Trees S,SE.
Columbia (Valley Stream)	1 SW;RR N	15	29h	
Davis Flight Strip(Bayport)(NC)	1.3 NNW;RR S	40	22	
Deer Park (NC)	0.8 ESE;RR N	75	10	Trees adj E.Pole line W.
Donovan Hughes (Greenridge)	1 N;crks S,W	10	17 S1	80 oct.
Fitzmaurice(Massapequa)	1.5 ENE;RR S	36	14 S6	80 oct. No sto.Trees N,S.
(N) Floyd Bennett NAS (New York)(N)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto. No bcn. NATS
Flushing	1.5 NNW;pkwy E	4	32 L S4	80 oct.P-line W,SW.Port rnwy lgts
Grumman (Bethpage)	0.5 W;RR NE	119	54h R1 S5	91,100 oct.Poles SW,SE. prior req.
Hicksville Airpark	2.4 N;RR E	190	20 S4	80 oct. Rnwy data unver.
LA GUARDIA (New York)	5 E;riv N	19	60h R3 L6 S1	80-100 oct Rdo rcv rqrd. FEE.
(P) MacArthur (Islip)	8 NE;RRs N,S	98	50h R1 (L5) S1	91 oct.All lgts prior req.Rdo rqrd.
(P) Mastic Flight Strip	2.6 NW	66	40h	
(A) Mitchel (Hempstead) (A)	0.5 NE;RR N	85	57h R3 (L6) S6	73,91,100 oct.JP-1.FOREIGN
Nassau (Hempstead) (NC)	4.5 E;hwy N	80	21	CLEAR. STN.
Republic (Farmingdale)	1.3 ENE;RR N	82	66h R1 L6 S1	NE blckd.Closed ngts.trans.PRIV.
Richmond Co. (Travis) (NC)	0.5 SW;riv W	10	24	160' chimney SW.
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct.Pwr line S,SE.Port rnwy lgts
Roosevelt (Mineola)	1.6 ESE;RR N	90	30h L3 S5	80,91,100 oct. Wires NE.
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S; rd W	40	22 S4	80 oct. Pole line SW.
Zahns (Amityville)	2.5 NNE;RR NE	80	22 S6	80 oct. Pole line SW.
PENNSYLVANIA				
Skyhaven Aircenter (Morrisville)	1.2 SSE;RR W	25	26 S4	80 oct.

NEW AIRPORTS

Aviation Country Club	2 S;hwy S	104	24 S6	80,91 oct. (Hicksville, N.Y)
New Sayville (Sayville, N.Y.	2 N;hwy 1 S	50	30 S4	80,91 oct.Trees NE,SW,WNW.P-line NE.
Nassau Arpk (Princeton,N.J.)	2.5 S;hwy SE	80	30	CLOSED.
Toms River, (N.J.)	1.3 N;hwy W	70	21 S1	80 oct.Bush N,ESE.
Worth (Florence,N.J.)	See Florence under "New Airports" - name changed.			
Mt Holly (N.J.)	1 N;rd N	70	22 S1	80 oct.Use strip only.
Buehl (Philadelphia,Pa)	18 NE;RR SE	110	24 S4	80 oct.Data unver.
General Motors (Linden,N.J.)	1 SE	23	41h	CLOSED.W',E,S,NW' less than 10-1
Star Harbor (Williamstown,N.J.)	0.8 N;hwy SE,NW	130	18 S1	80 oct.P-line ENE,SSW,WSW.
Florence,N.J.	1 SE;riv N	50	24 S4	80 oct.P-line WSW,NW.Trees S.

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS Ⓤ : USABLE WITH CAUTION

FOR V.H.F. RANGES SEE CHARTS 144 TO 148

ALBANY 55

LAKE SUSQUEHANNA · TRINCA · LINCOLN PARK · MURCHIO · AIRCRAFT RADIO CORP · CALDWELL-WRIGHT 260 RC 126.18 MC · TETERBORO 326 RC · E. HANOVER · HACKETTSTOWN · MORRISTOWN · NEWARK 278 RC 118.3,126.18 MC · LA GUARDIA 362 RC 118.1, 118.7, 126.18 MC · NEW ROCHELLE 275 · LA GUARDIA 209 (116.1) · AVIATION COUNTRY CLUB · HICKSVILLE · GRUMMAN 323 RC · MACARTHUR 278 RC · MASTIC · NEW SAYVILLE · CARLL · REPUBLIC 371 RC · ZAHNS · FITZMAURICE · NEWARK 341 (116.1) · CALCO STACK 347 · HOLMES 233 · MASPETH 317 · MITCHEL AAF 396 RC 126.18 MC · COLUMBIA · IDLEWILD (W) 248 · MITCHEL AAF 227 · NEW YORK · LINDEN 359 · FLATBUSH 353 · ROCKAWAY · FLOYD BENNETT 379 · NAS. FLOYD BENNETT 388 RC 142.74 MC · MATAWAN VHF RANGE · SOMERSET HILLS · SOMERSET · NW JERSEY · ALLENTOWN 320 · BROWN · SOLBERG HUNTERDON · HADLEY · SHINN-WOODBRIDGE · GENERAL MOTORS · WESTFIELD · HUGHES · STATEN IS. · MID-JERSEY · METUCHEN · PRINCETON · NO. BRUNSWICK · PENNINGTON · MERCER CO. · MERCER CO. (OLD) · NASSAU · FORSGATE · FREEHOLD · RED BANK · ASBURY PARK INC. · ASBURY PARK AIR TERM. · HIGHTSTOWN · TRENTON-ROBBINSVILLE · MORRISVILLE · SKYHAVEN · OLD STAR · PHILA. NE(W) 371 · KAISER · FLORENCE · BURLINGTON · BUEHL · PHILADELPHIA 266 · MT. HOLLY · MAHALCHIK · FORT DIX AAB · MOORESTOWN · CASSVILLE · NAS. LAKEHURST 3295 RC 142.74 MC · NAS. LAKEHURST 520 · LAKEWOOD · OCEAN CO. · TOMS RIVER · FORKED RIVER · MILLVILLE 365 · TO BRANCHVILLE · TO HARTFORD · TO BELFAST · SYRACUSE 53 · WASHINGTON 67 · ATLANTIC OCEAN

EXTENSIVE FLEET AIR OPERATIONS IN OFF-SHORE AREA TO APPROX. 100 MI. SEAWARD, N. BOUND, U. S.-CANADIAN BORDER, & BOUND. LAT. 39-00

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.

REMAIN ABOVE 3000' NEAR LAKEHURST. ALSO BETWEEN THE NAS AND COAST (INTENSIVE AIRSHIP ACTIVITIES) UNLESS APPROVED BY THE NEW YORK CENTER

ALL FACILITIES IN NEW YORK FLIGHT ADVISORY AREA

SOUTHERN NEW JERSEY

STAR HARBOR · N. Y. OCEANIC ATC · WASH. OCEANIC ATC · NAS. ATLANTIC CITY 275 RC 142.74 MC · DOWNSTOWN · CAVOLI'S · ATLANTIC CITY · WOODBINE · SMITH · WILDWOOD · CGAS. CAPE MAY · SCALE OF MILES 10 0 10 20 30

NEW YORK 71

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT:210°,3.2	(3);4220,126.18
Fairfield-Suisun AAF (Army)	350(126.18)+	CA(ILS-W)(GCA)	(4); 4220;126.18
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- . -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ:160°,2.1	
Hamilton Field	219 (126.18)+	CA➧ :53.13	(3);126.18,4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA	(3); 126.18
Mather Army (H fac.)	476 (DIM)	H : 216°,0.8	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV,199°,0.2	(4);116.1,122.1
➧ SACRAMENTO	236(SZ)(116.1)	SBMRAZ-DTV	(3);116.1,122.1
Sacramento Airport	278 (126.18)	C; 22°, 1.7	(4);122.5
SALINAS	266(SB)(vhf)	BMRL-DTV:310°,2.4	(4);116.1,122.1
SAN FRANCISCO	237(SF)(111.1)	SBMRLZ-DTV,291°,3.6	(3);122.1
SANTA ROSA NAAS			DECOMMISSIONED
SAUSALITO FM			DECOMMISSIONED
STOCKTON	212(JW)(vhf)	BMRL-DTV:285°,3.1	(4);116.1,122.1
NEW RADIO FACILITIES			
SALINAS	109.1(SB)(vhf)	BVAR	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
➧ FAIRFIELD-SUISUN(L6)(A)	110.3	335	210°	IM- (6.6)	MM- • • • • • • (0.85)	OM- (4.6)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

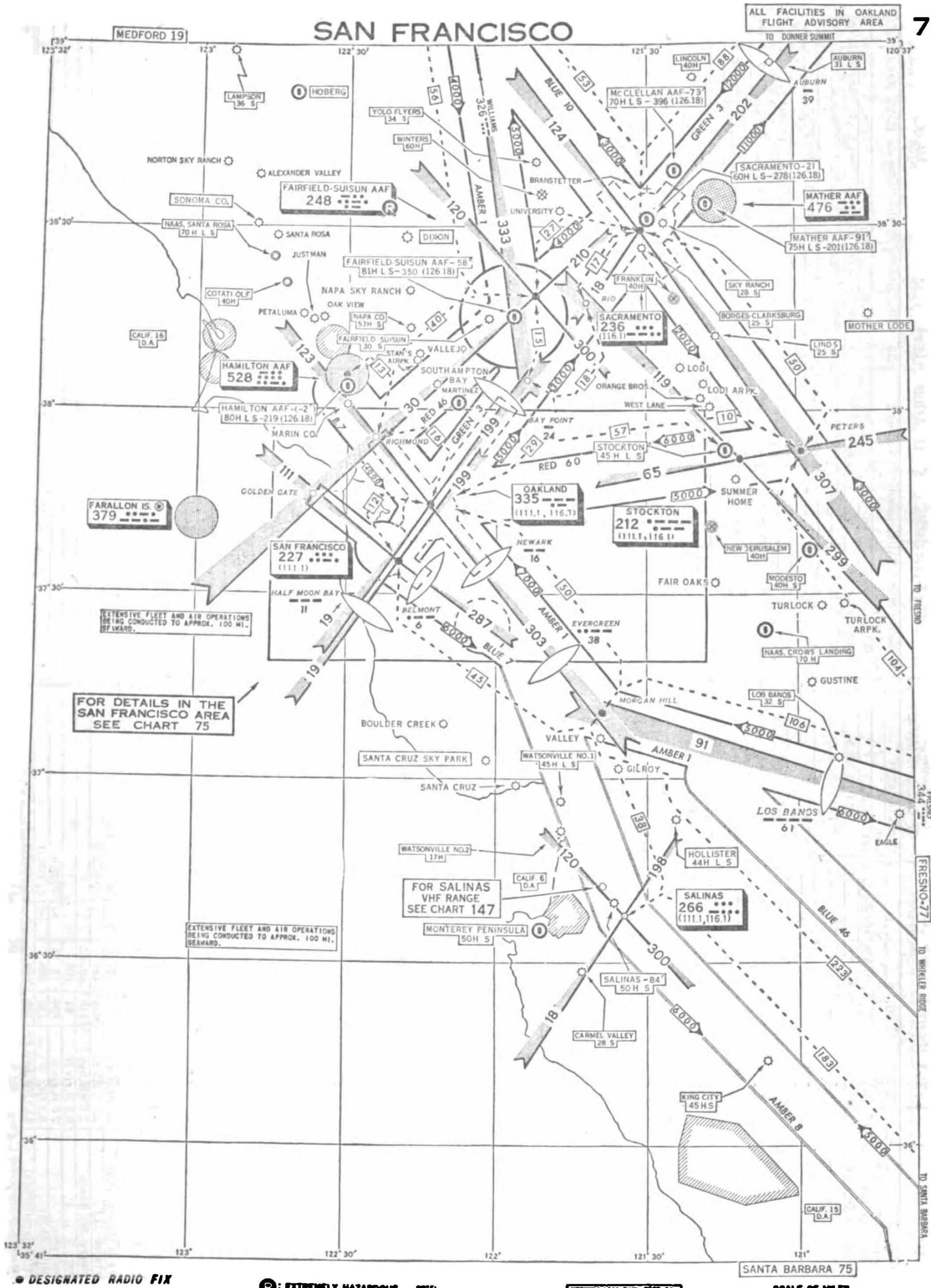
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15 29 S1	Trees S.
American Legion(Salinas)	1.8 NNW			ABANDONED
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg	2.4 NNE,riv SE	15	27 S6	80 oct.E,SSE blkd.(Clarksburg)
burg)				80oct.Lgt planes&exper.pilots only.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver Sur by mtns.
Carmel Valley	12.5 ESE,riv S	450	19 S2	80 oct.
(N) Cotati OLF (N)	1.5 N,RR E	94	35h	Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	CLOSED
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.
Fairfield-Suisun	1 E,RR N	7	35 S6	80 oct.N,S,W,NW,SW blkd.
(A) Fairfield-Suisun AAF (A)	5.5 NE	58	81h R3(L6)S4	73,100 oct.FOREIGN CLEAR STN.
(A) Franklin (A)	5.5 SSE; riv E	21	40h	CLOSED
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	17 L S2	80 oct.No sto.Flare pots prior req
King City	1.5 NNE,RR W	370	45h L S6	80,91 oct. Obst lgts on req.
(P) Kingsbury (Lodi)	See Lodi under "New Airports" - name changed.			
(P) Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.
(S) Lincoln	4.5 NW,hwy S	120	40h S4	80 oct.
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.Poles E.
Lodi Airpark	4.5 SW,hwy S	25	28 S6	80 oct. P-line E.No sto.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE;bay E	2	22 S6	80 oct. Use N pattern.
Martinez	0.8 N,RR S	6	20 S6	80,91 oct.Hill W.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	87	75h R2 L5 S6	91,100 oct. No sto.
MODESTO	2.2 ESE,riv S	100	40h L5 S6	80,91 oct. TEMP INACT
(N) MONTEREY PENINSULA	3.4 ESE,bay N	220	70h L5 S6	80,91 oct. Lgts prior req.NO NAVY
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S. FAC.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	75	29 S6	80, 91 oct. Hwy W.Flares req.
(A) New Jerusalem(Tracy)(A)	8.5 ESE	56	40h	River E. CLOSED prior req.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	25 S1	80 oct.Pole line WNW,ENE
Orange Bros. (Stockton)	5 N; RR	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
Petaluma	1.7 N,RR E,W	30	18 S6	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct.
(P) SALINAS	2.5 SE,RR SW	84	50h R1 L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E;RR S	96	26 S6	80,91 oct.Trees NW,SW.
(P) Santa Rosa	See Sonoma Co. under "New Airports" - name changed.			
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h	INACTIVE.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S6	80,91 oct.Port rnwy lgts. N,S,SW
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. blkd.
State Forestry(Davis)(NC)	3 E,hwy N	28	26	Power line W.
(P) STOCKTON	4 SSE,RR W,SW	18	45h R1 L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW;crk S	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct. Wire NE
Valley (Morgan Hill)	1.2 S,hwy E	240	17 S1	80 oct. P-line SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW;hwy E	125	23h	
West Lane(Stockton)	4.1 N,RR W	25	25 S6	80,91 oct.W blkd.Wire NW.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	58	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S6	80,91 oct. Port rnwy lgts. Poles E.
NEW AIRPORTS				
Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.
Santa Cruz Sky Park	5.3 N;hwy E	500	21h S6	80,91 oct. Trf.pat.S.
Turlock, (Calif.)	4 WSW;RR N	100	18 S1	80 oct.
Turlock Arpk, (Calif.)	1.5 SSE;hwy E	95	15 S2	73,80 oct.
(P) Sonoma Co. (Calif.)	7 NW;RR E	118	45h L5 S6	80,91,100 oct.Lgts on req.
Dixon (Calif.)	1.8 NNE;hwy NW	65	21 S2	80 oct.P-line N.Soft when wet.
Southampton Bay Air Harbor (Benecia,Calif.)	2.9 WNW;hwy E	10	24 S3	80 oct.Wires SSE.Soft when wet.
Fair Oaks Sky Nook(Fair Oaks,Calif.)	2.3 S;hwy,RR E	70	21 S4	80,91 oct.ENE blkd.
Gilroy (Calif.)	2 NW;rd E,N	240	25 S2	80 oct.NE,E,SE blkd.
(P) Lodi (Calif.)	6 WSW;RR NE	15	40h S6	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88. 140.58 mcs. ➧ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ★ - Guarded only when associated tower inoperative.

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) ➧ New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

SAN FRANCISCO



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF BLUE LEGS INDICATE "R" BOUNDARIES.

AIRPORTS LESS THAN 2000 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SYM.

SCALE OF MILES
10 0 10 20 30

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C (ILS-W)	(4);126,18,118.5,122.5
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
LEBEC FM	(- -)	FM; 141°, 42	Bakersfield
MOFFETT NAS(Mountain View)	3295	CN(GCA)	(3);126.18, 142.74
→ MOFFETT NAS (Navy)	323 (NUC)	BMRLZ; 320°, 1.9	(4);126.18,142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMHW;123°,16.0	(Cont.) Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV	(4);116.1, 122.1
Oakland Airport	278(126.18,118.7)	AC(ILS)(GCA);199°,0.2	(4):126.18,118.7,122.5
PASO ROBLES	(108.7) (OB)	VARW	
POINT MUGU NAMTC	3295(142.74)	CN	3105,6210;142.74 (8-20)
SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV	(3);122.1
San Francisco Airport	269(126.18,118.9)	C, [illegible],3.6	(4);126.18,118.9,122.5
SAN FRANCISCO GAP	356 (F)	MHW;285°,10.0	(Cont.) San Francisco
→ SANTA BARBARA	(108.3)(OY)	BVAR	(4);116.1,122.1
SANTA BARBARA	(108.3) (SY)	BMRLZ-DTV	(4);116.1
→ Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4);118.7,126,18,122.5,142.74
SAUSALITO FM		FM; 27[illegible], 7.5	DECOMMISSIONED (6-22)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- • — • — (0.62)	OM- — — (4.71)
					MMK-	OMK-
OAKLAND	109.9	333.8	274°	IM- ····· (0.12)	MM-	OM- — — (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice, W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 118 1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay S W	15	52h R1 L5 S6	91,100 oct.No sto NATS
(A) Allen (Taft) (A)	26 ESE	500	31h	CLOSED
Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 S6	80,91 oct. P-line N.
Belmont	0.5 N,RR W	5	30 S6	80,91 oct.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
Concord	1.9 NE,hwy S	104	40h	CLOSED
Contra Costa Co. (Concord)	See Buchanan,Calif. under "New Arpts"-name changed			
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
(A) Estrella AAF(Paso Robles)(A)	4.5 NE	806	50h	CLOSED
(A) Gardner (Taft) AAF (A)	9 ESE,RR SE	444	60h	CLOSED
(A) Half Moon Bay (A)	5.5 NW;hwy E	36	50h	CLOSED Lgts prior req.
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W
(P) Hayward	2 WSW,RR W	25	55h L5 S6	80,91 oct.
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct. prior req.
La Cresta (Bakersfield)	2.5 NE,riv N	660	36h L S6	80,91 oct.Data unver. Flare pots
(N) Livermore OLF	3.7 E,RR N	626	43h	INACTIVE.
(N) Livermore Sky Ranch	2 WNW,hwy E	448	40 L2	
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	425	45h	CLOSED

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

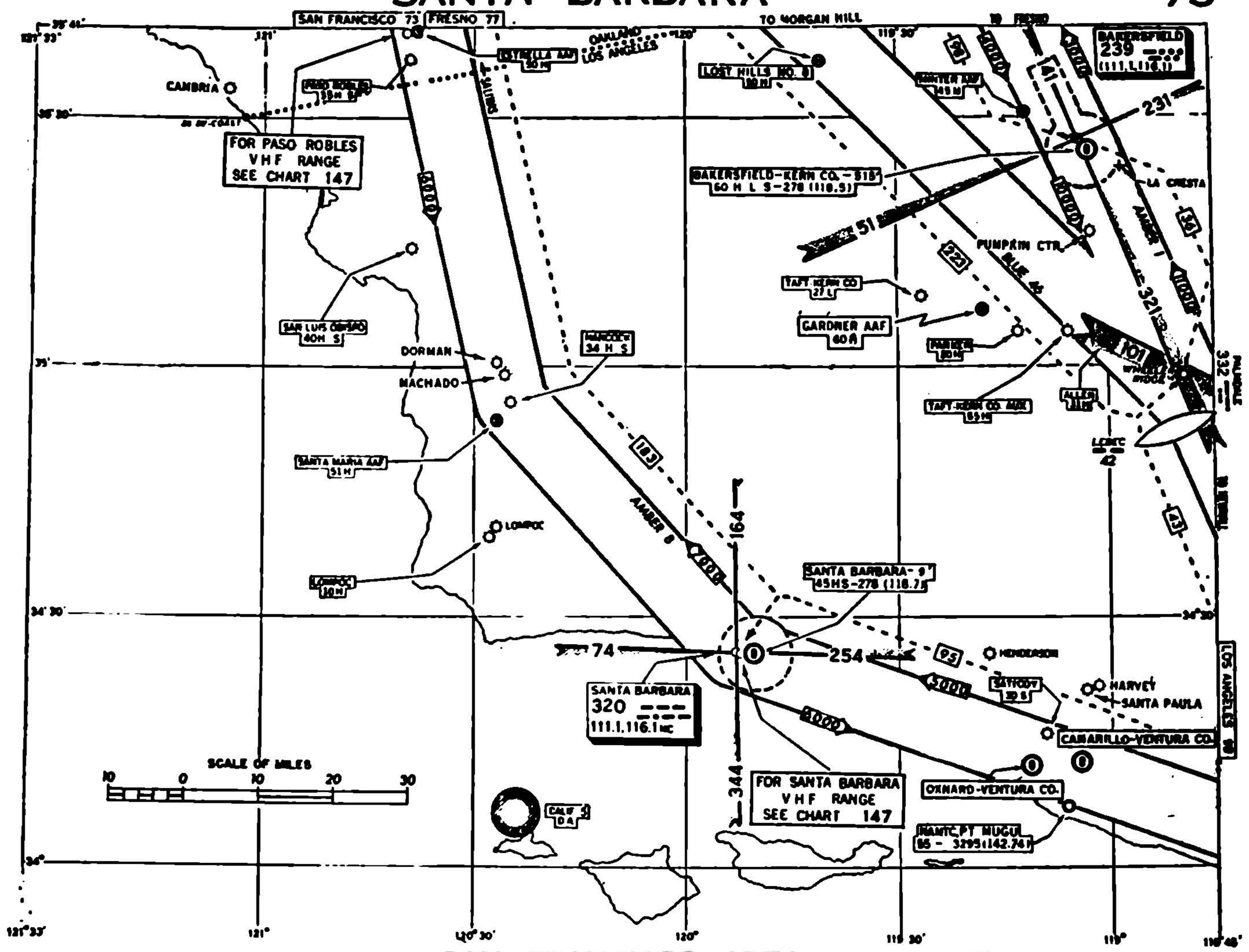
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	75h R2 (L3) S4	91,100 oct.No sto. NATS NACA.
Mountain View	2.2 NW,RR W	57	28 S2	80 oct.
Oakland Mun.	5 S,hwy 2 NE	5	62h R3 L6 S6	80,91,100 oct. 2-way rdo req.NATS
(P) Oxnard Flight Strip	See Camarillo-Ventura Co. under "New Airports" - name changed.			(Hospital)
Palo Alto	2 ENE,bay E	5	23 S6	80,91 oct.P-line NW,S.
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct. Naval Air Missile
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-linc E.CLOSED Test Center
Reid-Hillview (San Jose)	4 E,hwy N	140	27 L3 S6	80,91 oct.No bcn.NW blkd Data unver.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE;bay E	10	30h R2 L5 S6	80,91,100 oct. Rdo rqrd.
San Jose City (San Jose)	2 NW;RR SW	70	40 S6	80,91 oct.P-line SE
(P) San Luis Obispo	2 SSE;hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE;RR E	6	15 S6	80,91 oct.No sto. Hwy W. P-line SE
San Ramon	2.5 SE;Crk W	440	22 S1	80,91 oct. P-line SE
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Twr S,obst lgtd.
(P) Santa Maria	3.5 S,hwy E	258	51h	No lgts after 10 p.m.
Santa Paula	0.8 S;riv S	240	21 L S6	80 oct.Port.strip lgts prior req.P-line
Saticoy	1.5 S;RR NW	80	21 S1	80 oct.Trees NE. ENE,WSW.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE;RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
(P) Tracy,mun	3.5 SSW;hwy NW	190	40h	
Ventura County (Oxnard)	See Oxnard-Ventura Co. under "New Airports" - name changed.			
→ Vernalis	2.3 S	207	70h	INACTIVE.
Warm Springs	2.3 SSE,RR W	100	23 S6	80 oct.

NEW AIRPORTS

Dorman (Santa Maria)	4 N;RR SW	380	23 S1	80 oct.
Cooley (San Carlos)	2.9 NNW;RR	6	20 S1	80,91 oct. Wire SE.Emerg.use.
Machado (Santa Maria)	2.2 N,RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E;rd W	125	25 L4 S6	80,91 oct.No bcn.
Antioch	3 S, lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Suchanan (Concord,Calif.)	1.5 N ;hwy N,S	22	50h L S6	80,91 oct. Port lgts. Lgts prior req.
(P) Camarillo-Ventura Co(Oxnard)	5.5 E;RR S	84	50h	(Calif) (Oxnard)
OXNARD-VENTURA CO (Calif)	1 W;hwy E	44	46h L S6	80,91 oct.Port rnwy lgts prior req.
San Francisco Bay (San Rafael,Calif.)	1.5 ESE;RR SW	2	15 S1	80 oct.hill SW.
Center(Centerville,Calif.)	2.1 SSE	62	26 S1	80 oct.Wire WNW
Harvey Fld (Santa Paula,Calif.)	1.7 E;riv S	290	26 S1	80 oct.Trees E.W.
Dow (Livermore,Calif)	4 WNW;riv S	350	28 S1	80 oct.N blocked.hill NE.
→ Pumpkin Center Arpk (Bakersfield,Calif)	7 S;hwy S	250	20 S6	80 oct.P-lines SSE.

SANTA BARBARA



SAN FRANCISCO AREA (SEE CHART 73)

- DESIGNATED RADIO FIX
- NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF BLOCK LESS IMPORTANT H'WAYS.

AIRPORTS LESS THAN 2500 FT. OR LENGTH, PAVING UNKNOWN CLASSIFIED AND NO LIGHTS, CLOSED NO CLASS OR AIRPORT SEA.

R: EXTREMELY HAZARDOUS,
O: USABLE WITH CAUTION

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARMITAGE OLF (Inyokern)	3295 (142.74)	CN	(3);126.18,142.74 (days)
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C(ILS-W)	(4); 126.18,118.5,122.5
CASTLE FIELD (Merced)	396 (126.18)	CA	(3); 126.18
DONNER SUMMIT	385 (DS)(116.1)	BMRL-DTV	(4); 116.1
FRESNO (Fresno-Chandler)	344(FT)(116.1)	SBRAZ-DTV;23°,0.9	(4);116.1
→ INYOKERN FM (Navy)	(-)	FM,254°,6.7	Inyokern
TRONA			DECOMMISSIONED

NEVADA

FALLON	230 (VA)	SRAWZ, 219°, 2.9	
GABBS (Int.)			DECOMMISSIONED
HUBBARD FLD (Reno)	278	CI	(4) (8-16 Mon.,Tues,Thurs,Fri; 5-20 Wed,Sat,Sun.)
RENO (Hubbard)	254 (RP)(116.1)	SBRAZ-DTV,161°,3.3	(4); 116.1
TONOPAH (AAF)	221 (RY)+	SRAWZ;168°,2.6	
WADSWORTH FM	(-)	FM, 48°, 27	Reno.

NEW RADIO FACILITIES

→ INYOKERN(Armitage)(Cal.)	323(NID)	MRLWZ;169°,4.1	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
→ BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	• — • — (0.62)	OM-	— — (4.71)
					MMK-		OMK-
				IM-		OM-	
					MMR-		OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Fresno)	4 SE;RR S,W	286	30 L S6	80,91 oct. No sto. Pole line NNW, SSE. Port rnwy lgts.
Adamson (Olancha)	0.6 SE;hwy W.	3648	27	30' poles W; 75' twr E.
Allen (Taft)	20 ESE	500	31h	
(N) Armitage OLF (Inyokern)(N)	8 ENE	2218	90h R2 L5 S-	91,100 oct. CLOSED
(P) BAKERSFIELD-KERN CO. (Bakersfield)	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Big Pine	3.4 ESE;RR W	4000	43	1500' mts SE; 1000' mts E.
(P) Bishop	2 ENE;riv E	4121	75h	
Boston Land Co.(Westhaven)	1.7 SSW;hwy N			ABANDONED.
Bryant (Bridgeport) (NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N; RR W	310	19 S6	80 oct. Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	185	70h R1 L5 S6	91,100 oct. JP-1
Coalinga	1.5 N;hwy E	664	56h S4	80,91 oct. Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;hwy S	200	37 S4	80,91 oct. Pwrline NE,SE,SW,NW
Cornell (Porterville) (NC)	2.4 SSW;RR E			ABANDONED.
→ Death Valley (Furnace Creek)	See Furnace Creek under "New Airports" - name changed.			
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
(P) Delano-Kern Co(Delano)	1.5 SE;RR W	315	60h S1	80,91 oct.
FRESNO-CHANDLER(Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91 oct. No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct
(A) Gardner (Taft) AAF (A)	9 ESE;RR SE	444	60h	CLOSED.
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	45 S6	80,91 oct. P-line NW. Trees SE.
(P) Hammer (Fresno)	4.8 NE;rds N,E	331	71h	
Hanford	1.2 SE;hwy W	246	21 S6	80,91 oct.
Harvey (Corcoran)	See Baldwin under "New Airports" - name changed.			
Independence	0.9 N;hwy W	3926	29	Trees S.
(P) Inyo County (Manzanar)	0.5 E;hwy W	3775	50h L5 S2	80 oct. All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW;RR E	2455	72h S4	NATS

NEW AIRPORTS

→ Furnace Creek (Calif.)	0.5 N	-178	34 S2	80,91 oct.	
→ Mountain View (Porterville,Calif)	1.7 WSW;riv I N	456	26 S4	80 oct. P-line E.	
→ Pumpkin Ctr Arpk (Bakersfield)	7 S;hwy S	350	20 S6	80 oct. P-lines SW. (Calif)	

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Kleinhammer (Lemoore)	1.2 N;hwys S	225	28 S6	80 oct. req.
La Cresta (Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct. Data unver. Flare pots prior
(P) Lemoore	9 SW;RR NW	247	32h	Emerg only.
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED.
Madera	3.5 WNW;hwy E	271	45h L5 S4	80,100 oct. Lgts prior req.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) MERCED MUN.	1.6 WSW;RR NE	152	40h L5 S6	80,91 oct. Lgts prior req.
Merced #1	2.5 NW;RR SW			ABANDONED.
(A) Minter (Bakersfield) (A)	13.5 NW;hwy E	425	45h	CLOSED
(N) Mojave NAS (N)	0.7 E;hwy W	2751	59h	CLOSED.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USFS (NC)
Newton (Stratford)	2.7 SSW;hwy NW	194	22 S6	80,91 oct. P-line NNW.
Palva Intercity (Parlier)	1.5 WSW;RR NE	330	27 S4	80 oct. Poles ESE
Parker (Taft)	15 SE	550	30h	
Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S6	80 oct.
(P) Porterville	3 SW,RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W
Sequoia (Visalia) (NC)	8.5 NNW;RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RR adj E	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28	CLOSED.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N;RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USFS (NC)
Trona	5 NE;rd W	1716	62 L3	Fld sur by mtns.
* Truckee Int, 16B, SF-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec. - April.
Tulare	2.9 SSE;RR W	300	20 L S6	80,91 oct. No sto. Port rnwy lgts.
Tunnel (Olancha) USFS (NC)	16.5 WNW;riv S	9100	18	Mtns - timber 2000' NE Closed to Public
(P) VISALIA	5 W; RR W	292	60h	
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S Cln-cattle on fld.
Wishon (Bass Lake) USFS	1.5 WNW	3380	22 S1	80 oct. Trees NNW. Closed to Public
Woodlake	2.6 ESE;lake NW	450	40 S4	80 oct. No sto

NEVADA

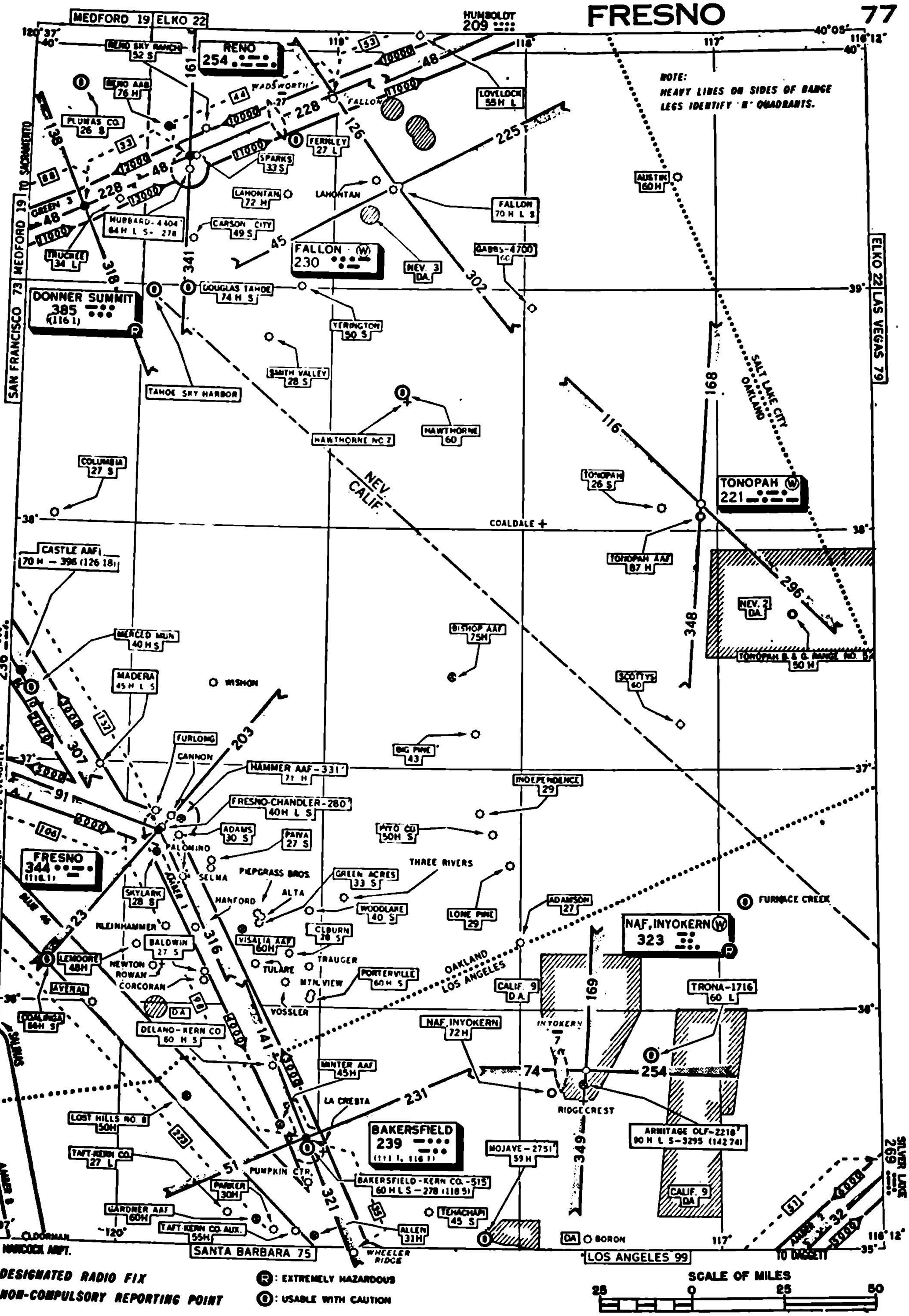
Austin OLF	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct. Mtns N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h L5 S6	80,91 oct.
* Fernley Int, 22, SF-SL	3.3 E;hwy NW	4156	27 L2	
(N) Fallon	6 SE;hwy S	3931	70h L5 S4	80,91 oct.
* Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60	
(N) Hawthorne (N)	2 N;lake NNW	4200	60 L	Emerg. lgtg on 1/2 Hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	44a R2 L5 S4	80,91,100 oct.
Lahontan (Fallon)	1.4 SSW,hwy W	3980	24 S4	80 oct. Poles ENE,WSW. Hwy W
(P) Lahontan Flight Strip(Fernley)	15.5 S;hwy N	4279	72h	
Lovelock, Site 26, SF-SL	9 SSW;RR NW	3906	55h L5	
Manhattan (NC)	6.8 W;hwy W	5850	27	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	Mtns sur fld. CLOSED.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
* Scottys Int, 22, RV-ND	9 SSE Gold Pt.	4300	60	
Smith Valley	1 ESE;hwy N	4850	28 S6	73, 80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
Tahoe Sky Harbor (Zephier Cove)	3.5 S;lk W	6230	32 S1	80 oct. E blk.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5426	87h	TMP INAC NO FACS.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;hwy S.	4483	50 S1	73 oct.

NEW AIRPORTS

Hawthorne No. 2, (Nev.)	NE city limits	4200	27 S1	80 oct. Hi-line S. Data unver.
Alta (Dinuba,Calif.)	4.5 E;RR S	360	25 S6	80 oct. P-line SE.
Selma (Calif.)	2.6 E,rd N	315	25 S4	80 oct. No sto. P-line NW
Palomino (Selma,Calif.)	6.5 WSW;RR W	267	18 S2	80 oct. Fence,trees W.
Baldwin (Corcoran,Calif)	7.7 NNW;RR W	200	27	
Three Rivers (Calif.)	2.2 NNE;riv W	850	20	Trees SE,hill NW.
Avenal (Calif)	0.3 W;hwy NE	750	32 S2	80 oct. Poles E.
Traugar (Strathmore,Calif)	1.1 NNE;RR E	475	20h S4	80 oct.
Rowan (Stratford,Calif)	1.5 SE	198		Data unver.
→ Coaldale (Nev.)	2.5 S;hwy jct.	4[illegible]	30 [illegible]	80,91 oct. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)NC (not charted). → NEW OR REVISED DATA

FRESNO 77


MEDFORD 19
ELKO 22
HUMBOLDT 209
RENO 254
RENO SKY RANCH 52 S
RENO AAB 76 H
PLUMAS CO. 26 S
WADSWORTH
FALLON
LOVELOCK 55 H L
FERNLEY 27 L
SPARKS 33 S
LAMONTAN 72 H
LAMONTAN
AUSTIN 60 H
FALLON 70 H L S
HUBBARD - 4404 64 H L S - 278
CARSON CITY 49 S
TRUCKEE 34 L
FALLON 230
NEV. 3 DA
GABBS - 4700
DONNER SUMMIT 385 (1161)
DOUGLAS TAHOE 74 H S
YERINGTON 50 S
SMITH VALLEY 28 S
TAHOE SKY HARBOR
HAWTHORNE NC 2
HAWTHORNE 60
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
SAN FRANCISCO 73
MEDFORD 19
TO SACRAMENTO
ELKO 22
LAS VEGAS 79
SALT LAKE CITY
OAKLAND
TONOPAH 221
TONOPAH 26 S
TONOPAH AAF 87 M
TONOPAH B & G RANGE NO. 52 50 H
NEV. 2 DA
COALDALE
NEV.
CALIF.
COLUMBIA 27 S
CASTLE AAF 70 H - 396 (126 18)
SACRAMENTO 236
MERCED MUN 40 H S
MADERA 45 H L S
WISHON
BISHOP AAF 75H
SCOTTYS 60
BIG PINE 43
FURLONG
CANNON
HAMMER AAF - 331' 71 H
INDEPENDENCE 29
FRESNO-CHANDLER-280' 40 H L S
MYO CU 50H S
ADAMS 30 S
PAIVA 27 S
PALOMINO
FRESNO 344 (1118 1)
SELMA
PEPGRASS BROS
THREE RIVERS
GREEN ACRES 33 S
SKYLARK 28 S
HANFORD
ALTA
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
FURNACE CREEK
KLEINHAMMER
CLOVIS
VISALIA AAF 60H
CLOVIS 28 S
NAF, INYOKERN 323
BALDWIN 27 S
LEMOORE 48H
NEWTON
ROWAN
CORCORAN
TRAUGER
TULARE
MTN. VIEW
PORTERVILLE 60 H S
OAKLAND
LOS ANGELES
CALIF. 9 DA
TRONA - 1716 60 L
AVENAL
COALINGA 60H S
DELANO - KERN CO 60 H S
VOSSLER
NAF, INYOKERN 72H
INYOKERN
MINTER AAF 45H
LA CRESTA
RIDGECREST
LOST HILLS NO. 8 50H
BAKERSFIELD 239 (111 1, 116 1)
ARMITAGE OLF - 2218' 90 H L S - 3295 (142 74)
TAFT-KERN CO. 27 L
MOJAVE - 2751' 59 H
PUMPKIN CTR.
BAKERSFIELD - KERN CO. - 515' 60 H L S - 278 (118 5)
PARKER 30H
GARDNER AAF 60H
TEHACHAPI 45 S
TAFT-KERN CO. AUX. 55H
ALLEN 31H
CALIF. 9 DA
SILVER LAKE 269
SANTA BARBARA 75
SAN FRANCISCO 73
TO MORGAN HILL
TO EVERGREEN
TO HANCOCK APT.
CLOVERDALE
WHEELER RIDGE
SANTA BARBARA 75
DA BORON
LOS ANGELES 99
TO DAGGETT
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Low)	347(PN)(116.1)	SRRAZ-DTV,142°,5.5	(4), 116.1
	CALIFORNIA		
NEEDLES	400(NJ)(vhf)	BMRLZ-DTV,195°,2.2	(4);116.1,122.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-DTV,132°,1.9	(4), 116.1
	NEVADA		
CRYSTAL FM	(-)	FM: 28°,30	Las Vegas
GOODSPRINGS FM	(- - -)	FM: 203°,33	Las Vegas
LAS VEGAS	206(LC)(vhf)	SBMRAZ-DTV;34°,1.9	(3);116.1,122.1
Las Vegas AAF	278(126.18,118.7)+	C (ILS)	(4):118.7,126.18,122.5 (8-midnite
	UTAH		
BRYCE CANYON (Int.)	108.3(BV)(vhf)	BVAR-DPTV;35°,0.8	3117.5;122.1,116.1,129.7 cont. 4495,6210 req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-DTV;20°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-TV;20°,1.0	(4), 116.1
ST.GEORGE	108.7(GX)(vhf)	BVAR-DPV;229°,7.8	3117.5;116.1,129.7, 122.1 cont.(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM: 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LAS VEGAS AAF	110.3	335	25°	IM	MM ---(0.66)	OM -- (4.2)
					MMK	OMK

S-Simul Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116.1, 137.88, 140.58 mcs

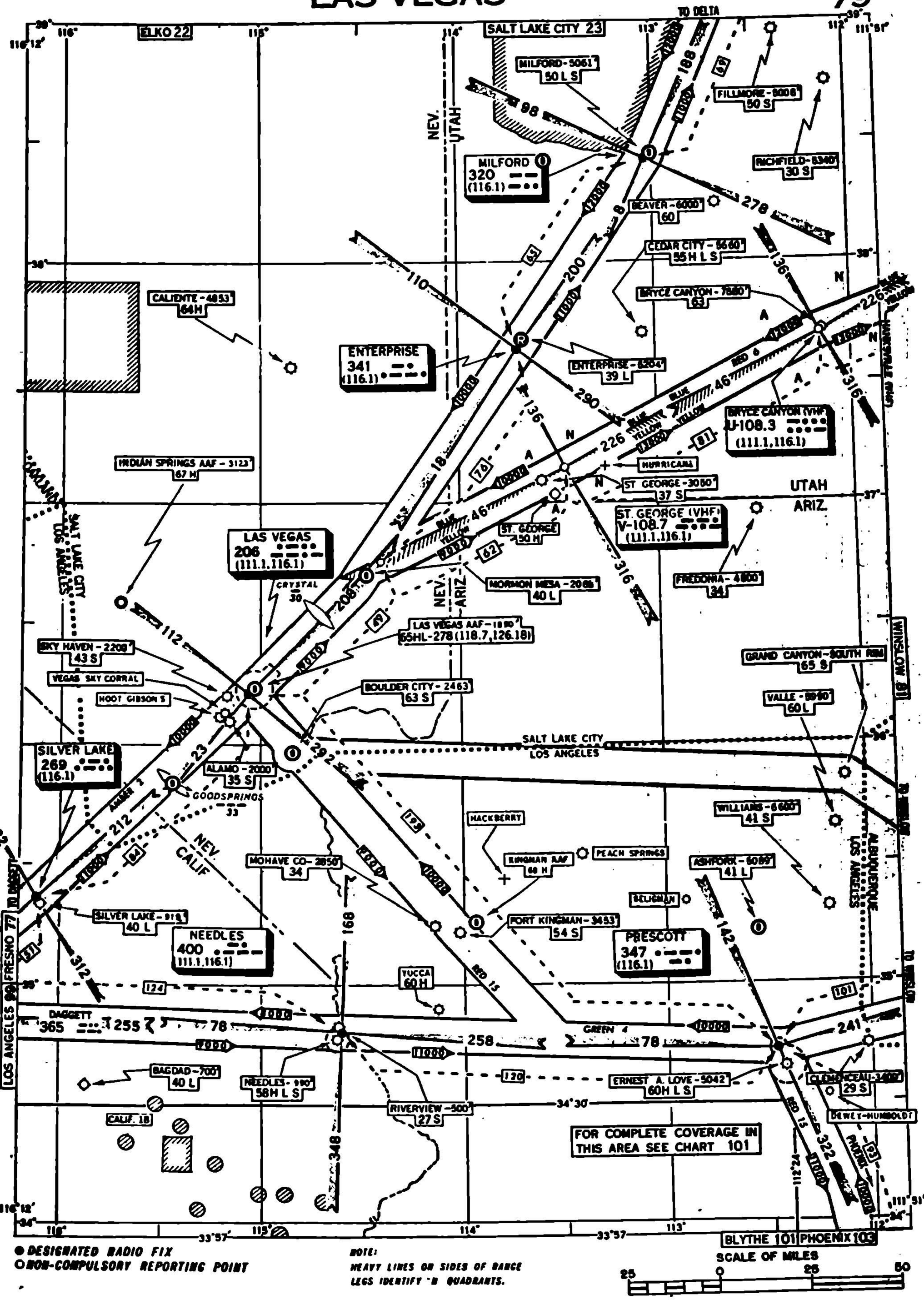
AIRPORTS — ARIZONA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L2	
(P)Clemenceau (Cottonwood)	1.7 SSW,hwy NE RR bed N	3400	27 L1 S6	80 oct.Smokestack 4000' SE.Sur by mtns.
(P) Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
(P) Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14 3S;hwy 2W	6362	53 S2	80 oct.Trees SW.
(A)Kingman AAF(A)	8.5 NE,hwy NW	3446	68h	CLOSED
Mohave Co.(Kingman)	6.5 NW,hwy E	2850	37	Not maintained.

h-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page XI11) NC-(not charted)
→ *NEW OR REVISED DATA.

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ARIZONA				
Port Kingman (Kingman)	3 NE,RR S,E	3453	54 L3 S6	80,91 oct.All lgts prior req.S blocked.
(P) Valle	2.3 E;hwy E	5990	61 L3	Lgts prior req.Soft when wet
Verde Valley(NC)	1.8 SE,riv W			ABANDONED.
Williams	4.3 N,RR E	6500	39 S6	80,91 oct. Mts SW.
(P)Yucca	1.5 NE,RR W	2030	60h	
CALIFORNIA				
* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
Needles	5.5 S,hwy E	990	58h R1 L3 S1	91 oct.Serv prior req.
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE
* Silver Lake Int,18, LA-SL	2.5 SSE,RR E	919	40 R1 L3	Rnwy data unverif.
NEVADA				
Alamo (Las Vegas)	5.5 SSW,RR SW	2000	50 S4	73,80,91 oct.
BOULDER CITY	1.8 SW,RR W	2463	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3123	67h	CLOSED
(A) [Las Vegas]	7.8 NE,hwy NW	1890	65h R3 L6 S1	100 oct.ARMY TEMP INACT
* Mormon Mesa Int, 31B,LA-SL	6 ENE Glendale	2068	40 L3	
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	See Hoot Gibson's D4C Ranch under "New Airports" - name changed.			
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas)
UTAH				
Beaver	3.2 SSW,hwy E	6000	63	Hills SE
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
CEDAR CITY	2.3 NW,hwy W	5660	55h L2 S6	80,91 oct.
* Enterprise Int,39	8 NNE,hwy 1 N	5204	39 R1 L3	LA-SL Soft when wet.
Fillmore	2 WSW,hwy SE	5008	50 S2	80 oct. Unsafe lgt acft.
Milford,45,LA-SL	2.3 NNW,hwy E	5061	37 L3 S2	80 oct.
Richfield	1.8 SSW,RR E	5340	31 S6	80 oct.P-line SE,N.
St.George	1.5 SSW,riv SSE	3050	37 L3 S6	80,91 oct.Fld lgts prior req.
* St.George Int,36, LA-DV	6 SE	2887	50h	Hills NNE
NEW AIRPORTS				
Hurricane (Utah)	2 S	3400	25	Obsts E.Data unver.
Dewey-Humboldt(Ariz)	1 E	4265	28	
Hoot Gibson's D4C Ranch (Las Vegas,Nev)	5.5 SW;RR E	2200	24	Mtns WSW,ENE,E.
Wickenburg (Ariz)	3 NW;hwy W	2300	32	
Peach Springs (Ariz)	1.2 N;hwy SE	4825	23	P-line ESE,SW.
Seligman (Ariz.)	2 NW;RR S	5300	54	Tree WNW
Hackberry (Ariz)	6.4 NW.		60h	Data unver.

LAS VEGAS



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'B' QUADRANTS.

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM	(- - -)	FM, 243°,18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-DTV;160°,1.5	(4), 116.1
Winslow Airport			DECOMMISSIONED
NEW MEXICO			
ACOMITA (Int.)	371(AK)(116.1)	BMLZ-DTV,254°,1.9	(4);116.1,122.1
EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-DTV,78°.0.1	(4);116.1,122.1
UTAH			
HANKSVILLE Int	109.1(HY)(vhf) (116.1)	BVAR-DPV;314°,2.8	(3) on req,3117.5;116.1, 129.7,122.1

S-Summ. Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — ARIZONA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1.8 NE;riv 1 S	4200	40 S1	80 oct Rough.Not
★ Deep Lake Int,54A, LA-AQ	0.5 W	6070	35 L3	Poles S. maintained. Emerg. only.
Holbrook	2.2 NNE;RR SE	5200	43 S3	80 oct.
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L5	no flood lgts
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S6	80 oct.
Saunders, Harry A. (St. Johns)	See St.John under "New Airports" - name changed.			
Window Rock(NC) (St.Michaels)	2 ESE	6800	52	NE approch hazardous
(P) WINSLOW	2 SW;RR N	4937	75h R1 L5 S4	80,91 oct.No flood lgts.

COLORADO

(P) Cortez	3.1 SW;hwy E	5915	54 S6	80 oct. Mtn W,E
→ Dove Creek	0.6 E;hwy S	7000	41 S2	80 oct. P-line SW.
(P) Durango	1.5 NE	6875	47 S2	80 oct. Mtn E
Mancos (NC)	1.4 NNE;RR 1 S	7500	30	Cattle on fld.
Montrose	1.3 S,RR NE	5800	33 S4	80 oct. CLOSED.
(P) Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.

h-hard surfaced runways. R-radio facilities L-lighting facilities S-servicing. (See page 1A) (NC) Not charted. → NEW OR REVISED DATA.

NEW MEXICO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy 1 N	6575	41 R1 L3 S1	73,80,91 oct.P-line NNE.Rough.
Cubero (NC)	2.4 W;hwy S	6192	30	PRIVATE.P-line S.
★ El Morro Int,59B, LA-AQ	4.5 WSW;1k 1 WSW	7114	42 R1 L3 S1	73,80,91 oct. Rough.
Farmington	1.4 NW on mesa	5495	80 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Twr,p-line SSW.
Gallup City	2.6 WSW;RR N	6500	48 S6	80 oct P-line SW,WSW, NW,SE.
Indian Service (Shiprock) (NC)	1.6 SSW;hwy W	5100	29	P-line NW,SW.

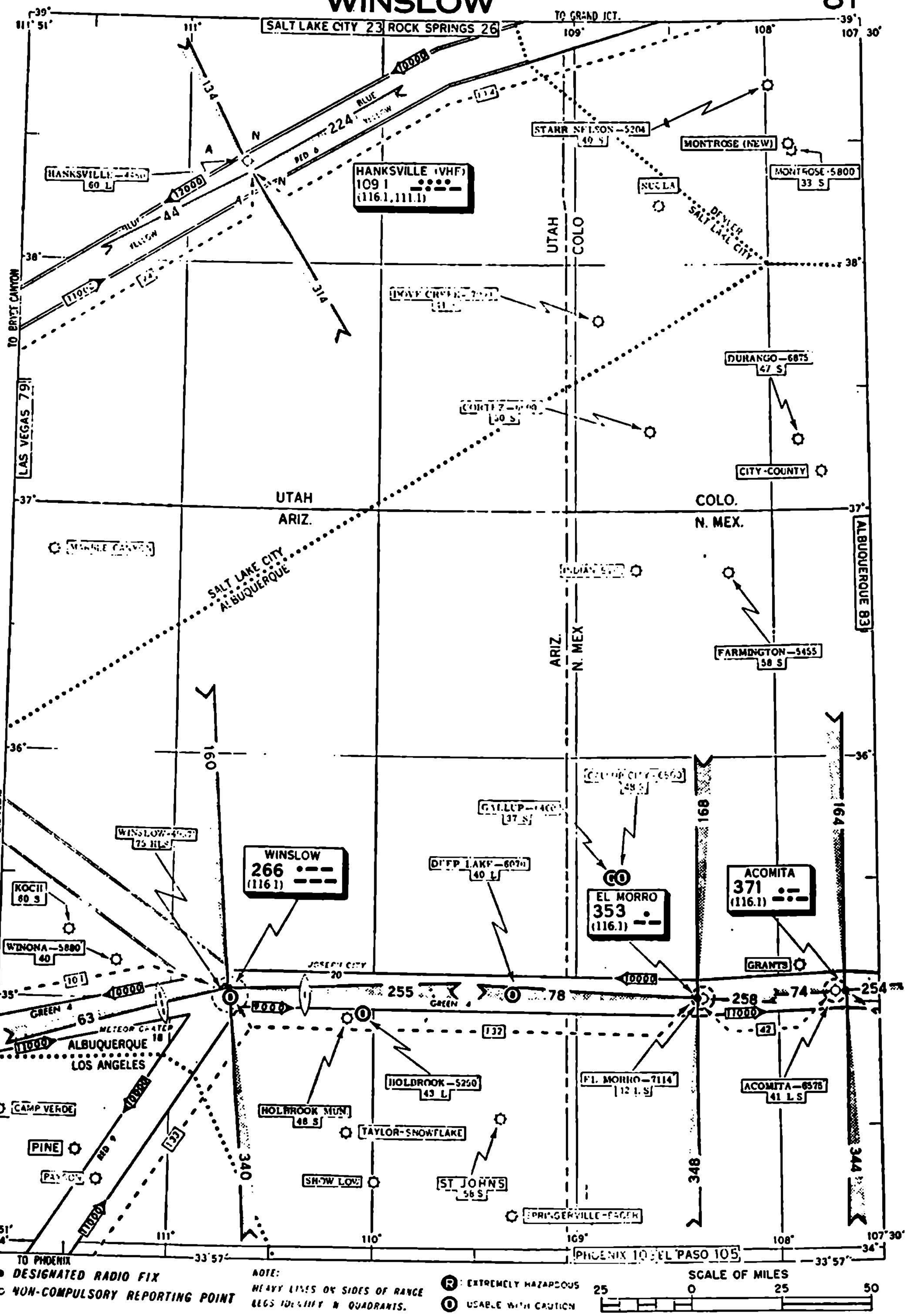
UTAH

★ Hanksville Int,54, LA-DV	3.5 NNE;riv S	4480	63 L3	Ngt landings on lgtd E/W strip only.
Monument Valley (Goulding Trading Post)(NC)	0.5 N hwy E	5284	30	

NEW AIRPORTS

→ Montrose (new)(Colo)	1.5 NNW;hwy S	5780	58 S6	80,91 oct.P-lines ESE,SE
Nucla, (Colo.)	2.3 SSW;riv S	5910	36	
Aztec, (N.M.) (NC)	2.2 NW on mesa	5700	28	Emerg only.
→ CITY-CO. (Durango, Colo.)	10.6 SSE;riv NW	6660	54 S1	91 oct.
Show Low,(Ariz.)	2 ENE;hwy S	6400	43 S4	80,91 oct.
Marble Canyon (Cameron,Ariz)	66 NNW;riv E	3580	37 S4	80 oct.NE appch hazardous.
Camp Verde (Ariz)	1.6 SSE;rd N	3100	42	Emerg. use only.
Payson (Ariz)	2 NNW;cyn N	5077	31	Trees E.Soft when wet.
Taylor-Snowflake (Taylor,Ariz)	2 W;rd N	5640	26 S2	80 oct.Poles SSE,NNW.
Grants Landing Strip (N.M.)	2.3 W;RR 1 NE	6600	28	Loose sand in spots.
Winona (Ariz)	8.9 ESE;hwy N	5880	40	
Springerville-Eager	1.5 W	7000	37 S1	80 oct.
Pine (Ariz) (Ariz)	0.8 S;crk NE	5500	25	Trees block N.
St.Johns (Ariz)	1.1 NNW;hwy S	5560	58 S6	80 oct.P-line SE;fence sur fld.

WINSLOW



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS

Ⓓ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
★ Adrian Int,92B,LA-AQ	4.2 SSE;RR N	4136	37 L3	(Texas)
Alameda (Albuquerque)	7.4 N;RR E	5400	37	(N.M.)
Alamosa (Colo)	2 S;hwy W	7550	58 L3 S4	80 oct.Fld lgts prior req.
ALBUQUERQUE Range (Kirtland)(N.M.)	230(AB)(vhf).	354°,3.1	SBRAZ-DTV	(3);116.1,122.1
Albuquerque (N.M)	6.3 ESE;hwy N	5429	62	RFC surplus aoft fld.
AMARILLO Range (Tex) (English)	251(AQ)(vhf)	77°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Amarillo (Tex)	6 ENE; hwy S	3610	52 S6	80,91 oct.P-line sur fld
★ Anton Chico Int,78A,LA-AQ	4.5 SE;hwy E	5281	43 L3	(N.M)
Art Goebel (Belen,N.M.)	3.2 W;RR E	5100	39 S1	80,91 oct.
Belen Air Strip (N.M.)	2.7 N; RR E	5000	30 S1	73 oct.
Bobcat (Dimmit,Tex)	1.5 E;RR W	3850	33 S2	73 oct.
Boise City (Okla)	3 N;hwy W	4200	33	
Clayton (N.M.)	1.5 E; RR N	5006	42 S4	73 oct. P-line N,W
Claude (Tex)	1.2 WNW;RR N	3410	32 S1	80 oct.P-line N,SE,S,W,NW.
Clover (Hereford, Tex)	2.2 NNE;hwy S	3800	28 S2	73 oct.P-line N,E,SE.
CLOVIS Army Range (N.M.)	203 (DCV)	34°,6.2	MRAZ	(3)
CLOVIS H Fac. (N.M.)				DECOMMISSIONED
CLOVIS AAF Tower (N.M.)	396 (126.18)		CA	(3);126.18(daylgt hrs.)
(A) Clovis AAF (N.M.)(A)	6.5 W;RR N	4300	100h	TMP INACT.NO FACS.
Clovis (N.M.)	0.8 NW;RR S	4247	26	
Cochran Co.(Morton,Tex)	1.5 E;rd W	3750	30	P-line E,S.
Costilla Co.(Mesita,Colo)	4 E;RR W	7750	75	
Creede (Colo)	2 SSE;hwy NW	8800	50 S2	No fuel.Rough off strips
(P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	60h L2	(N.M.) Data unver
★ Cuero Int,81B,LA-AQ(N.M)	5 N	4734	40 L3	Poles W,lgtd.
Cutter-Carr #2 (Albuquerque, N.M.)	3.6 NE;RR W	5120	46	P-line ENE
Dalhart (Tex)	6.2 SSE;RR E	--		ABANDONED
Dalhart Mun. (Tex)	3.8 SSW;RR N	3989	49h	
(A) Dalhart #1 (Tex) (A)	9.7 WSW;RR E	4096	81h	CLOSED-NOT MAINT.
(A) Dalhart #2 (Tex) (A)	5.5 NE;hwy NW	3974	80h	CLOSED-NOT MAINT
(P) Dumas (Tex)	0.7 S;hwy W	3649	30 L S2	73 oct.Poles N.Flood
Eagle Nest Landing Strip (N.M.)	1 NE	8450	40	11,000'mts NE. lgts. Use in emerg.
ENGLISH Tower (Tex)	278 (118.5, 126.18)		AC (ILS)	(4); 126.18,118.5, 122.5
(A) [English](Amarillo,Tex)	9 ENE;RR N	3591	50h L6 S2	80, 91 oct.;100 oct. Army.P-line N,NW.
(P) Ft. Sumner (N.M.)	1.5 NE;RR S	4166	60h S6	80 oct
Ft. Sumner #5 (N.M.)	16 ENE	4830	60h	
Graham-Bell (Albuqu'que)	4.5 ENE	5400	27 S6	73,91 oct. (N.M.)
Griffin (Walsh, Colo)	0.7 N;RR S	3950	34 S6	80 oct.Poles S ,N.
Gruver (Tex)	0.7 WNW;RR E	3200	40 S1	80 oct.P-line W,E,SE,
(P) Guymon (new)(Okla)	3 SW;hwy N	3140	34 S6	80 oct. P-line N, SW. E
Guymon (Okla)	0.7 S;RR W	3130	21	CLOSED
(P) Hale Co.(Plainview,Tex)	1.6 S;hwy E	3370	37 S6	80, 91 oct.
Harnagel (Borger,Tex)	2.5 SSW;RR N	3140	25 S2	80 oct.Use strips.RR E
Hillcrest (Clovis, N.M.)	2.1 E;RR S	4244	36 S4	73 oct.No sto.P-line S.
Holbrook's (Cuervo,N.M.)	0.8 NE;RR S	4810	19	300' mtn SE.P-line SSE.
Ira Benger (Friona,Tex)	1.8 NE;RR S	4000	28 S2	73 oct.
NEW FACILITIES				
→ Longhorn(Morairty,N.M)	8.3 ENE;hwy N	6312	33	P-line N
Estancia (N.M)	1.5 NNW;RR 0.5 E	6100	36	Ctn-cattle on fld.P-line NE,E.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Johnson (Kans)	0.5 N;hwy W	3330	28 S6	80 oct.P-line N,NW,NE,
Kerrick (Tex)	1.5 N;RR SW	3850	19 S1	80 oct.P-line SW. S.
KIRTLAND Tower (N.M.)	278 (126.18, 118.7)+		AC (ILS)	(4); 126.18, 118.7, 122.5
(A) [Kirtland](Albuquerque, N.M.) (A)	3.8 SSE;rd N	5330	102h L6 S6	87,91,100 oct.
(A) La Junta AAF (Colo) (A)	4.4 NNE;rd W	4238	80h	CLOSED
La Junta Bridges (Colo)	See Bridges Arpt.under "New Facilities"-name changed			
(P) Lamar,10,PU-WD (Colo)	3.7 WSW;RR N	3673	42 L2 S4	80 oct.canal N
Las Animas (Colo)	1.4 S;hwy 1 N	3900	31 S4	80 oct. P-line W,NW.
LAS VEGAS Range (N.M.)	359(VH)(116.1)	8°, 3.2	SBMRAZ-DTV	(4);116.1,122.1
[Las Vegas] (N.M.)	6 NE;RR 2 W	6857	64h L5 S6	80, 91 oct.Rnwy lgts on req Use strips only.
Maxwell (N.M.)	1.7 N;hwy E	6000	36	
→ Monte Vista,Colo.	3.5 W;hwy N	7710	55 S6	80 oct. P-line NE.
Mountainair (N.M.)	1.1 NNE;RR S	6600	28	P-line N Horses on fld.
Muleshoe (Tex)	1 ENE;hwy N	3800	42 S1	73 oct.
Municipal (Spearman,Tex)	0.8 NW;RR SE	3104	30	P-line SW.
OTTO Range (N.M.)	290(OT)(116.1)	74°,0.2	BMRLZ-DTV	(4);116.1,122.1
★ Otto Int,74,LA-AQ (N.M.)	5.8 NE Moriarty	6226	41 L3 S1	Ltd 100 oct.
Puckett's com.(Lakin,Kans)	3.5 S;riv N,NW	3050	26 S1	Ltd 80 oct.Trees N.
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	P-line NE,E. (Colo)
Romer (Holly, Colo)	1.5 SSE;riv N	3300	30 S2	Ltd 80 oct.P-line SW,NW,W.
Roy (N.M.)	1.5 N;RR W	5900	26	PRIVATE. Post NE.
SANTA FE H Fac. (N.M.)	206(SJ)(116.1)		MHTV	(4);116.1,122.1
[Santa Fe] (new)(N.M.)	9.8 WSW ;hwy E	6308	63h L5 S1	91 oct.airlines.FEE. Rnwy lgts on req.
Santa Fe (old)(N.M.)	6.3 SW;hwy E	6550	45h S6	80 oct.P-line NE,SE.
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct.No std. (N.M.)
Springfield,Com.(Colo)	3.8 N;hwy W	4350	34	Poles NW,W,SW.
Stinnett (Tex)	0.6 NNE;RR E		30	Data unver.
Syracuse (Kans)	1 N;riv S	3320	36 S2	80 oct.P-line S,SE.
★ Syracuse Int,16,PU-WD	3.7 NNE;hwy W	3410	46 L3	(Kans.)
Taos (N.M.)	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW
Texhoma (Tex)	1 SSW;RR N	3460	30 S2	73,91 oct.P-line N.
Tradewind (Amarillo,Tex)	2.5 S;RR NW	3636	32 S6	80,91 oct. P-line SW.
TRINIDAD Range (Colo)	329(TD)(vhf)	170°,3.0	SBMRAZ-DTV	(4);116.1,122.1
→ Trinidad (Colo)	10.5 ENE	5756	34h L1 S1	80 oct.Use rnwys only.
TUCUMCARI Range (N.M.)	212(TC)(116.1)	76°,2.2	SBMRAZ-DTV	(4);116.1,122.1 Hwy E.
Tucumcari (N.M.)	7 E;hwy,RR S	4064	51h L5 S6	80,91,100 oct.
(P) Tulia (Tex)	1.5 NNW;RR W	3500	32 S1	80 oct.P-line NE,E,SE
Wagon Mound (N.M.)	0.6 WNW;RR E	6500	21	Fence N;mtns SE,W.
West Mesa (Albuquerque)	3.8 W;hwy S	5100	60 S6	73,80 oct. (N.M.)
West Texas State (Canyon)	3 N;hwy E	3686	42 S6	73 oct.20'poles SE.(Tex)

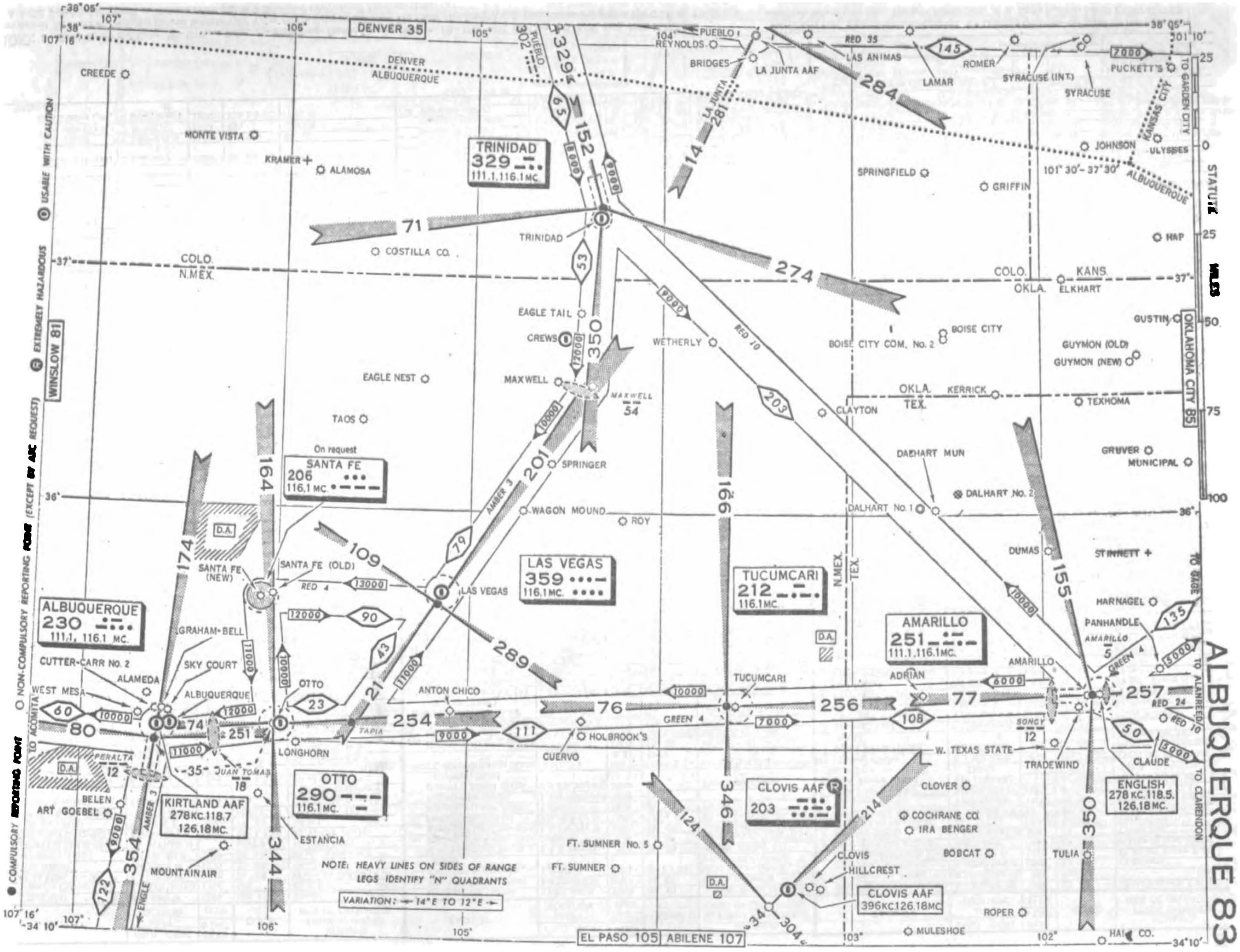
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ENGLISH	110.3	335	209°	IM-	MM- (0.62)	OM- (5.92)
					MMK-	OMK-293
KIRTLAND	110.3	335	349°	IM-	MM- (0.66)	OM- (4.32)
					MMK-	OMK-248

NEW FACILITIES				
Boise City Com.#2(Ckla.)	1 N;City S	4200	26 S1	80 oct.
Gustin Fld.(Hooker,Ckla.)	3 SW;RR,hwy E	2985	26 S2	80 oct.P-line S.
Panhandle (Tex.)	1.6 SSW;RR N	3450	28 S2	80 oct.125' twr W.
Roper(Hart,Tex.)	5.9 S;lk NE	3600	26 S2	80 oct.P-line N,NW.
Ulysses (Kansas)	1.3 NNW;hwy E	3050	26 S1	80 oct.Poles S.
Kramer Fld (Alamosa,Colo.)	2.5 WNW		52 S6	80 oct.P-lines NE.Data
Elkhart (Kans)	0.8 ESE;RR 0.5 NW	3500	32 S2	80 oct. unver.
Hap(Hugoton,Kans)	1.5 SW;hwy N	3107	26 S2	80 oct.Poles N,NE.Use
Bridges (LaJunta,Colo)	3.3 SSW;hwy,RR W	4250	26 S2	80 oct. P-line N stps.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


DENVER 35
DENVER ALBUQUERQUE
CREEDE
MONTE VISTA
KRAMER
ALAMOSA
TRINIDAD 329 111.1,116.1 MC.
TRINIDAD
COSTILLA CO.
COLO. N.MEX.
EAGLE TAIL
CREWS
EAGLE NEST
MAXWELL
MAXWELL 54
TAOS
SPRINGER
WAGON MOUND
ROY
WETHERLY
RED 10
BOISE CITY COM. No. 2
BOISE CITY
CLAYTON
OKLA. TEX.
KERRICK
TEXHOMA
GUYMON (OLD)
GUYMON (NEW)
GUSTIN
OKLAHOMA CITY 85
DALHART MUN
DALHART No. 2
DALHART No. 1
GRUVER MUNICIPAL
DUMAS
STINNETT
HARNAGEL
PANHANDLE
AMARILLO
AMARILLO 251 111.1,116.1 MC.
TUCUMCARI 212 116.1 MC.
LAS VEGAS 359 116.1 MC.
SANTA FE 206 116.1 MC.
SANTA FE (OLD)
SANTA FE (NEW)
LAS VEGAS
ALBUQUERQUE 230 111.1, 116.1 MC.
CUTTER-CARR No. 2
GRAHAM-BELL
SKY COURT
ALAMEDA
WEST MESA
ALBUQUERQUE
OTTO
OTTO 290 116.1 MC.
ANTON CHICO
TUCUMCARI
ADRIAN
AMARILLO
TAPIA
LONGHORN
CUERVO
HOLBROOK'S
W. TEXAS STATE
TRADEWIND
ENGLISH 278 KC. 118.5. 126.18 MC.
CLAUDE
CLOVER
COCHRANE CO.
IRA BENGER
BOBCAT
TULIA
CLOVIS AAF 203
CLOVIS AAF 396 KC. 126.18 MC.
CLOVIS
HILLCREST
FT. SUMNER No. 5
FT. SUMNER
ROPER
MULESHOE
KIRTLAND AAF 278 KC. 118.7 126.18 MC.
ART GOEBEL
BELEN
MOUNTAINAIR
ESTANCIA
JUAN TOMAS
PERALTA
D.A.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 14°E TO 12°E
EL PASO 105
ABILENE 107
REYNOLDS
PUEBLO
BRIDGES
LA JUNTA AAF
LAS ANIMAS
LAMAR
ROMER
SYRACUSE (INT.)
SYRACUSE
PUCKETT'S
TO GARDEN CITY
KANSAS CITY
ULYSSES
JOHNSON
SPRINGFIELD
GRIFFIN
HAP
ELKHART
OKLA.
KANS.
ALBUQUERQUE
TO ALAMREED
TO CLARENDON
TO GAGE
WINSLOW 81
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT (EXCEPT BY ARC REQUEST)
NON-COMPULSORY REPORTING POINT
TO ACOMITA
ENGLE
AMBER 3
RED 4
GREEN 4
RED 24
SONGY
STATUTE MILES
ALBUQUERQUE 83

OKLAHOMA CITY

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
(P) Ada (Okla)	2 N; hwy W.	1008	50h S1	80 oct.
(A) Altus AAF (Okla) (A)	3.4 ENE; hwy S	1368	60h	CLOSED.
Altus Mun. (Okla)	4.2 N; RR W	1426	31 S6	80 oct, P-line SW, W, N"
Alva (Okla)	1.4 S; RR N	1320	26 S6	80 oct
Anadarko (Okla)	1.5 SW; RR E	1260	26 S6	80 oct, P-line N, E.
ANTHONY H Fac. (Okla)	382(AY)(116.1)		MHTV	(4); 116.1, 122.1
(P) Anthony, 24, AQ-KC	3 WNW; hwy S	1339	48 L3 S6	73, 91 oct (Okla)
Antlers (Okla)	2.8 S; RR E	640	22 S2	80 oct.
ARDMORE H Fac. (Okla)	400(AT)(116.1)		MHTV	(4); 116.1, 122.1
Ardmore (Okla)	11.2 NNE; riv E	758	73h	CAUTION: Intensive airline training
Ardmore, 10, FV-WD	9.2 N; hwy E	875	40h L3 S6	80, 91 oct Poles E
* Arlie Int, 9, AQ-FV (Tex)	3.8 SW; hwy S	1770	42 L3	(Okla)
Ashland (Kans)	1 E; RR S	1940	32 S2	80 oct Poles S, E
Atoka (Okla)	1.8 NW; RR S	540	22 S2	73 oct. P-line S.
Bartlesville (Okla)	4 E; rd S	720	34 S6	80 oct.
Bennett (Elk City, Okla)	2 SSE; RR NE	1800	20 S2	80 oct, P-line W. Lgt ac-
Blackwell (Okla)	1.7 W; RR N	1000	32 L4 S6	80 oct. P-line ft only
Boren (Wetumka, Okla)	1.5 NW; RR SE	780	20	SW, NW.
Brown (Tulsa, Okla)	6 SE	735	31 L S6	80, 91 oct. Port rnwy lgts. Pole NW
Buffalo (Okla)	0.6 NW; crk N	1965	14 S1	73 oct. wet.
Caddo Fly Svc. (Ft. Cobb)	6 SE; hwy S	1250	21 S2	80 oct. (Okla) Ctn when
Cameron College	2.5 W; RR N	1108	22 S6	80 oct. (Lawton, Okla)
• Cassoday Int, 34, AQ-KC (Kans)	1 SSE; hwy W	1480	32 L3	Twrs S
CHANUTE Range (Kans)	284(CZ)(vhf)	304°, 2.5	SBRAZ-DTV	(4); 116.1, 122.1
Chanute (Kans)	2 WSW; lk S	980	22h L4 S6	80, 91 oct. Flood lgts on req. P-line NW, SE
CLARENDON Range (Tex)	233 (CP)	199°, 2	MRLW	
(P) Clarendon, 4, AQ-FV	3.8 W; RR NE	2869	40 L3 S6	80, 91 oct. (Tex)
Childress (Tex)	3.2 ESE; RR NE	1930	30 S1	80 oct. P-line sur fld
(A) Childress AAF (Tex) (A)	5.2 W; RR N	1952	60h	CLOSED.
Clinton (Okla)	17 SW	1932	65h	CLOSED.
Coffeyville, Mun. #1	3.5 N	743	59h S2	80 oct (Kans)
Coffeyville, Mun. #2	2 NW; riv E	880	26h S6	80 oct. Poles NW; hl-line SW.
Commercial (Okmulgee, Okla)	3.4 E; RR W	682	28 S2	80 oct. Poles SW.
Commercial (Tulsa)	5.4 SSE; hwy N	700	29 S6	73, 80, 91 oct Trees SW
Commercial (Quanah)	1.8 S; hwy E, N	1568	21 S2	Ltd 80 oct. (Tex) (Okla)
Community (Ada, Okla)	6.8 WNW	1000	24 S2	80 oct hwy NE
Cordell (Okla)	1.3 NW; RR E	1550	20 S2	80 oct
(P) Cushing (Okla)	2 S; RR E	913	52h L5 S6	73, 80 oct
* Dill Int, 14, AQ-LS (Okla)	0.5 NW; hwy N	1876	26 L3	P-line N, E
DODGE CITY H Fac (Kans)	362(OD)(116.1)		MHTV	(4); 116.1, 122.1
Dodge City] (Kans)	3.5 ENE; RR SE	2594	47h L3 S6	80, 91 oct. Fld lgts prior
(A) Dodge City AAF (Kans)	6 NW; RR S	2621	65h	CLOSED. (A) req.
(A) Dodge City #4 (Kans) (A)	17.4 NNE	2465	60h	CLOSED
Dukes (Carnegie, Okla)	1 NNW; riv S	1250	24 S2	80 oct. P-line S
Edgewood (Coffeyville, Kans)	2.5 WNW; RR E	745	25 S2	80 oct. N, E, S, W blkd.
(A) Enid AAF (Okla) (A)	4 SSW; RR E	1290	56h	TMP INACT. NO FACS
Eureka (Kans)	2.7 E; hwy S	1100	26 S1	80 oct. Hi-line S.
Ferguson (Coffeyville)	5 E; RR NW			(Kans) ABANDONED
(P) Frederick, F (Okla)	2 5 SSE; RR N	1233	60h L6 S6	80, 91 oct No flood lgts.
Fredonia Mun. (Kans)	3 NNE; RR E	880	26 S1	80 oct
GAGE Range (Okla)	266(VM)(vhf)	224°, 2.1	SBRAZ-DTV	(4); 116.1, 122.1
(P) Gage (Okla)	1.8 SW; riv N	2223	55h L5	
GARDEN CITY Range (Mun.) (Kans)	257(GK)(vhf)	168°, 3.7	SBRAZ-DTV	(4); 116.1, 122.1
Garden City Mun. (Kans)	3.3 E; riv S	2841	45 L3 S6	73, 80 oct. Fld lgts on req
(A) Garden City AAF (Kans) (A)	9 ESE; riv S	2894	65h	TMP INACT. NO FACS.
(A) Garden City #1 (Kans)	19.5 ESE	2814	30h	CLOSED. (A)
(A) Garden City #2 (Kans)	13.4 E	2856	30h	CLOSED. (A)
(A) Garden City #3 (Kans)	6 ENE	2917	30h	CLOSED. (A)
Glenn Martin (Liberal) Kans)	2 ESE; hwy SW	2853	35 S2	80 oct P-line SE, SW
Grandfield (Okla)	1.2 SE; RR N	1100	13 S2	80 oct.
(P) Grandfield Mun (Okla.)	3 W; RR NE	1128	45h	CLOSED.
(A) Great Salt Plains (Jet, Okla) (A)	6 NNE; dam 1 N	1200	55h L5	
Greensburg (Kans)	1 ESE; RR N	2230	26 S1	80 oct. Poles N.
Haddock (Erick, Okla)	1.4 SW; RR N	2017	34 S2	80 oct. P-line N.
Halliburton (Duncan, Okla)	1 S; RR E	1125	35 L3 S4	80, 91 oct. P-line W. Lgts prior req. No ben.
Harvey Young (Tulsa)	8.8 E; hwy N	700	26 S6	80 oct. (Okla)
Hatbox (Muskogee, Okla)	2.7 W; RR S, N	615	38h S6	80, 91 oct. P-lines N, ESE
Hemphill Co. (Canadian)	1.5 SW; riv N	2300	27 S2	Ltd 73 oct. (Tex) S, WNW
(P) Hobart Mun. (Okla)	3.8 SE; hwy W	1583	54h L S6	80 oct. Port lgts on req.
Hohmann (Lone Wolfe)	1 ESE	1576	26 S2	80 oct. (Okla)
Holdenville (Okla)	1.2 WNW; hwy S	864	33	
Hunter's Flight Strip (Hobart, Okla)	0.5 SW; hwy adj	1530	22	Data unverified.
HUTCHINSON Range (Kans)	227(HN) (116.1)	350°, 3.1	SBMRLZ-DTV	(4); 116.1, 122.1
Hutchinson, com. (Kans)	5.5 W; hwy N	1605	20 S2	80 oct. P-lines N, NE.
(P) Hutchinson, mun.	4 ENE; hwy S	1542	70h L5 S6	80, 91 oct. (Kans)
(N) Hutchinson NAS (Kans)	8.9 S; RR NNE	1582	70h	CLOSED (N)
INDEPENDENCE AAF Tower (Kans)	272 (126.18)		CA	(3); 126.18 (7-19)
(A) Independence AAF (A)	5.5 SW; hwy W	820	55h S1	91, 100 oct. (Kans)
Independence (Kans)	5 N; hwy W	847	22 S4	91 oct. Pole SW.
(A) Independence #3 (A)	24 ESE	920	42h	CLOSED. (Kans)
Independence #9 (Kans)	12.5 NE	870	40h	
(P) Iola (Kans)	3.2 SSE	1020	48 S6	80, 91 oct. P-line NW, N.
Jensen (So. Coffeyville)	0.5 W; RR S, E	735	40 S6	80 oct. P-line SE (Okla)
Jimmie Ray (Cherokee)	1.5 E; RR SW	1200	26 S1	80 oct. Trees S. (Okla)
Kell-Air (Thomas, Okla)	1.2 SW; RR N	1730	24 S2	80 oct
Kingfisher (Okla)	1.3 NW; RR W	1060	24	PRIVATE
Kingman (Kans)	1.5 NNW	1600	26 S1	73 oct. Trees S, SW RR
Kiowa Flying Service (Kiowa, Kans)	2.5 WNW; RR S	1375	19 S1	80 oct P-line SW, NNW, SSW
Kittenbrink (Jefferson)	2 E; RR W	1100	23 S2	80 oct Trees N. (Okla)
Lawton (Okla)	1.5 S; RR E	1145	26 L4 S6	80 oct. No opn. lgts on req.
(A) Liberal AAF (Kans) (A)	1.5 WNW	2888	70h	CLOSED.
Long (Pryor, Okla)	2 NNE; RR W	650	20 S6	80 oct. P-line SW.
Meade (Kans)	3 ESE; hwy N	2532	26 S2	80 oct. Use strips. P-line
McAlester (Okla)	2 SSE; RR W	750	25 S4	80 oct. P-line ESE, N
Mauks (Blackwell, Okla)	2.7 S; hwy W	987	26 S4	80 oct. P-line E
Medicine Lodge (Kans)	2.1 SE; RR S	1520	33 S2	80 oct.
(A) Muskogee AAF (Okla)	See Davis under "New Facilities" - name changed.			NW
North (Enid, Okla)	3.8 N; RR E	1265	26 S6	80, 91 oct. Shrubs N, NE.
Nowata (Okla)	1.6 NNE; RR W	600	26 S6	80 oct.
OKLAHOMA CITY Range (Okla)	350 (OL) (116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Okmulgee (Okla)	3 NNE; hwy W	715	43h L5 S6	80 oct. Ctc lgts prior
Olustee (Altus, Okla)	10 SE; riv E	1338	45h	CLOSED req.
Pampa (Tex)	1.2 NNE; RR S	3234	50 L3 S6	80, 91 oct SE blkd. P-line
(A) Pampa AAF (Tex) (A)	12.3 E	3124	65h	CLOSED E, S, W
* Pampa Int, 4, AQ-KC (Tex)	1.9 NNE; RR S	3197	50 L3	P-line E, S, W Twr SW
Parsons (Kans)	2 NW; RR S	936	22 S1	80 oct. Use strips only.
Pawhuska (Okla)	3.8 W; RR E	1000	27 L S1	80 oct Port rnwy lgts. P-line NE
(A) Perry (Okla) (A)	6.6 N; hwy W	1008	52h	CLOSED.
(P) Perryton (Tex)	3 ENE; RR NW	2942	50 S4	80 oct. No sto. Allway fld. P-line SE, windmill
PHILLIPS Tower (Okla)	388		CI	3105 (on req) SW
Phillips (Bartlesville)	1.7 WNW	750	35h L4 S2	80, 91 oct. (Okla) Hwy S
Plains (Kans)	1.3 NNE; RR S	2772	30 S2	80 oct. P-line NE, SE, S.
PONCA CITY H Fac (Okla)	368(PC)(116.1)		MHTV	(4); 116.1, 122.1
(P) Ponca City] (Okla)	2.3 NNW; RR S,	1014	38h L4 S6	80, 91 oct Antenna bet twr & hangar, lgtd
Ponder (Mangum, Okla)	1.6 N; hwy S	1585	29 L S2	90 oct. Endry lgts prior
POST Tower (Ft. Sill, Okla)	201 (126.18)		CA	(3); 126.18 (8-18) req.
(A) Post (Ft Sill, Okla) (A)	1.5 S	1170	50h L5 S4	Ltd 100 oct
Pratt Mun. (Kans)	2.5 ENE; lk 2 F	1916	25 S6	80 oct. Use strips only
(A) Pratt AAF (Kans) (A)	4 N; hwy E	1960	80h	CLOSED
Roosevelt (Okla)	0.5 NW; rd N	1400	24 S2	73 oct. P-line N
Sapulpa (Okla)	1.5 ENE; RR W	730	26	P-line S.
Satanta (Kans)	1 N; RR S	3050	26 S2	80 oct
Sayre Mun. (Okla)	8.5 SSW	1937	50h	
Archer (Sayre, Okla.)	2.3 N; hwy W	1990	26 S6	80 oct.
Seminole (Okla)	3.4 NNW; hwy E	1012	35 S6	80 oct. Trees W, NW
Sentinel Memorial	0.8 SSW; RR W	1600	26 S2	80 oct. (Okla)
(P) Shawnee (Okla)	2 NW; RR E	1080	42h L5 S6	80, 91 oct. Fld lgts prior
Stafford (Kans)	2.6 WSW; RR N	1889	26 S6	80, 91 oct. Poles N, S req
Stark (Coldwater, Kans)	0.7 NE; RR SE	2100	29 S2	80 oct. Poles N, S, E, SE
(P) Stillwater #1 (Okla)	3.2 NNW; hwy E	985	50h L3	NE
Stillwater #2 (Okla)	5.6 SSE; hwy W	980	29 S6	73, 80 oct.
Strickland (Hazelton, Kans)	2.6 E; RR S	1310	26 S6	73, 80 oct. Poles E, N.
* Stroud Int, 29A, AQ-LS	3 N; hwy W	883	27 L3	P-line W lgtd. (Okla)
Sulphur (Okla)	1.5 NW; hwy S, E	1060	28	Trees NW
TINKER Army Rng (Okla)	221 (DTE)	170°, 5.3	BMRAZ	4495
(A) Tinker (Okla. City, Okla)	8.5 SE; RR NE	1272	78h L5 S6	73, 100 oct JP-1 (A)
Tonkawa (Okla)	1.6 S; riv NW	1000	25 S2	80 oct. P-line S, E.
TULSA Range (Okla)	245(TS)(116.1)	225°, 1.0	SBRAZ-DTV	(3); 116.1, 122.1
TULSA Tower (Okla)	278 (126.18, 118.5)		AC (ILS)	(4); 118 5.126 18, 122.5
(A) Tulsa] (Okla)	6.2 NE; RR S	674	71h L6 S6	73-91 oct. 73, 100 oct
Tulsa North (Tulsa, Okla)	4.5 NNW; RR E	700	25 S2	80, 87 oct Army Poles S, SW, SE.
Turkey (Tex)	2.7 SSW; hwy E	2350	18 S2	80 oct.
Twitty Int, 8A, AQ-LS	1 SE; hwy 0 5 W	2225	38 L3	(Tex) P-line W
Vernon 15, AQ-FV (Tex)	5 N; hwy E	1250	43h L5 S6	73, 80 oct. No sto.
* Vernon Int, 15, AQ-FV	8.8 NNW; hwy E			(Tex) ABANDONED
Vici (Okla)	0.7 SW	2265	24 S1	80 oct. Trees N.
Victory (Clinton, Okla)	2 S; hwy W	1540	27 S6	80 oct
Walker (Ada, Okla)	5.4 S; rd E, N	870	32	PRIV Trees sur fld.
Walker (Altus, Okla)	1.6 W; RR E	1400	26 S4	80, 91 oct P-line N.
Walters (Sedan, Kans)	8 N; rd E	1000	26 S1	80 oct. Emerg only. Priv
Walters (Okla)	1.2 SW; RR E	1005	26 S6	80 oct
Watonga (Okla)	1.2 NW; hwy S	1460	26 S6	80 oct
Waynoka-Kelsey (Waynoka, Okla)	3 4 NNE; RR SE	1500	21 S2	80 oct. P-line N, NE
Weatherford (Okla)	2.7 ENE; hwy S	1550	27 S6	80 oct. P-line N.
Wellington (Tex)	1 SE; hwy W	2100	17 S2	80 oct. P-line S, E
Wewoka, com. (Okla)	1.8 W; lk N	905	23 S6	73, 80 oct. P-line NNE
(P) Wewoka, mun. (Okla)	4.7 NE; hwy W	790	30	Emerg only
White Bros. (Lamont)	2 WSW; RR E	1000	24 S2	80 oct. (Okla)
WICHITA Range (Kans)	332(WD)(vhf)	167°, 1.0	SBRAZ-DTV	(3); 116.1, 122.1
WICHITA Tower (Kans)	278 (126.18 118.7)		AC (ILS)	(4): 122 5.126 18, 118 7
NG) [Wichita] (Kans)	5.3 SE; hwy W	1372	75h L6 S6	80, 91 oct. Army 100 oct
Will Rogers, 36, AQ-LS	1.5 NE; RR W	649	29 L3 S6	73 oct (Claremore,
WILL ROGERS Tower (Okla City, Okla) [Will Rogers] (Okla. City)	272 (118.7)		AC (ILS)	(4): 118 7.126 18. [Okla] 122.5
(P) Woodring (Enid, Okla)	5 ESE; RR N	1159	65h L5 S6	80, 91 oct,
(P) Woodward (new) (Okla)	7.5 W; hwy S, E	2187	55h L5 S2	80, 91 oct Lgts on req
Woodward (mun) (Okla)	1.5 SE; hwy W	1918	21 L1 S6	80, 91 oct

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

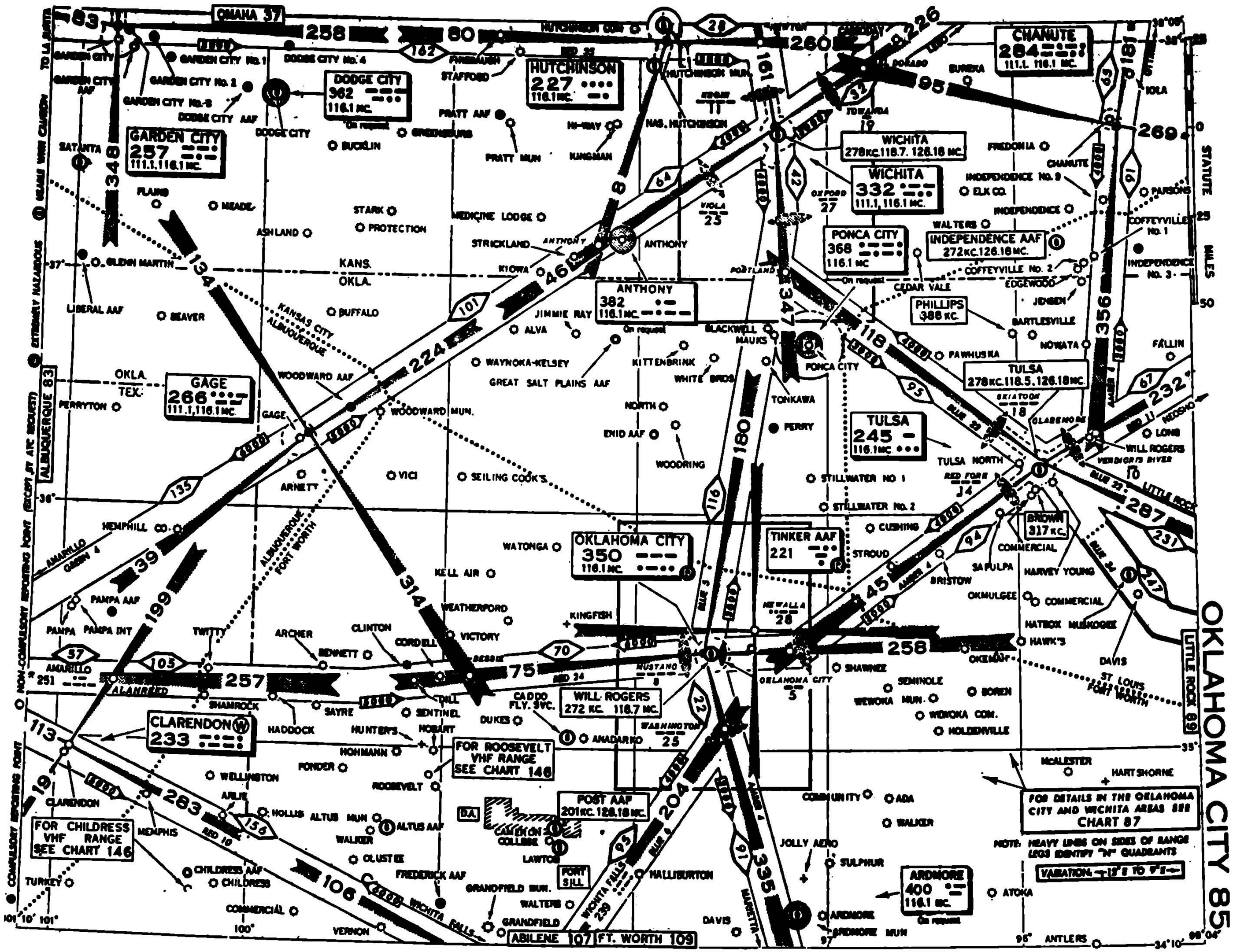
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
TULSA	110.3	335	354°	IM-	MM- ·-·-(0.65)	OM- --(4.82)	
					MMK-	OMK- 263	
WICHITA	110.3	335	3°	IM-	MM- ·-·-(0.69	OM- --(5.37)	
					MMK 201	OMK- 317	
WILL ROGERS	109.9	333.8	350°	IM-	MM- ·-·-(0.66)	OM- --(4.6)	
					MMK-	OMK-	

AUXILIARIES

CHILDRESS Range (Tex)	109.1 (GM)		VARW	
ROOSEVELT Range (Okla)	108.7 (RQ)		VARW	
Arnett (Okla)	Adj NNE	2450	23 S1	73 oct.
Beaver (Okla)	1 SSW; hwy W	2500	30 S1	80 oct
Bristow (Okla)	1.3 WNW; lk E	725	26 S6	80 oct Trees NE, SW.
Fallin (Vinita, Okla)	1.5 NW; RR S	780	26 S2	80 oct P-line E, N, NE.
[Davis] (Healdton, Okla.)	1.3 E; crk W	800	20 S2	80 oct S, SW.
Hartshorne (Okla)	1 NNW	700	13	Emerg use only
Hawk's (Henryetta, Okla)	1 N; rd N, E	862	18 S2	80 oct
Jolly Aero (Davis, Okla)	3 S; hwy NNW	800	17	Pwrline NNW. Emerg only
Kingfish (Hinton, Okla)	3 7 N; hwy W	1545	18	
Okemah (Okla)	1 E; city W	870	33 S6	80 oct P-line N, NE
Seiling-Cook's (Seiling)	Adj E	1700	20	P-line N; trees S (Okla)
Shamrock (Tex)	1.3 SSE; hwy N	2395	23 S1	80 oct P-line S
Augusta (Kans.)	1 NNE	1260	26 S2	80, 91 oct. S blkd.
Memphis (Tex.)	1.4 NNE	2100	38 S2	80 oct, E, SE blkd.
Elk Co. (Moline, Kans.)	2.3 ENE, hwys SW	1050	19 S	80 oct.
Protection (Kans.)	0.6 SSE; hwy S	1830	24 S2	80 oct. Pole W. Use strips only
Hi-way (Kingman, Kans.)	2.3 W; hwy S	1580	24 S2	80 oct. P-lines SE, S.
Bucklin (Kans.)	0.6 SW; RR N	2400	26 S2	80 oct. Poles N, W. Use strips.
Firebaugh (St. John, Kans)	1.7 NNE; rd E	1885	26 S2	80 oct. Poles N, E. Derrick S.
Cedar Vale (Kans.)	1.5 WNW; hwy S	1000	26 S1	80 oct. Poles N, W.
[Davis] (Muskogee, Okla)	6 4 S; hwy W	610	58h L5 S2	80 oct. Hill SW
BROWN Tower (Tulsa, Okla.)	317		CI	3105 (12-sunset. Sats, Suns, holidays)
Hollis (Okla)	1 N; hwy E	1720	26 S2	80 oct. P-line SE, S.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. • A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED Airports are indented and non-capitalized.


OMAHA 37
HUTCHINSON
CHANUTE
284
111.1, 116.1 MC.
HUTCHINSON
227
116.1 MC.
DODGE CITY
362
116.1 MC.
On request
GARDEN CITY
257
111.1, 116.1 MC.
WICHITA
278 KC. 118.7, 126.18 MC.
WICHITA
332
111.1, 116.1 MC.
PONCA CITY
368
116.1 MC.
On request
INDEPENDENCE AAF
272 KC. 126.18 MC.
PHILLIPS
388 KC.
ANTHONY
382
116.1 MC.
On request
GAGE
266
111.1, 116.1 MC.
TULSA
278 KC. 118.5, 126.18 MC.
TULSA
245
116.1 MC.
OKLAHOMA CITY
350
116.1 MC.
TINKER AAF
221
BROWN
317 KC.
WILL ROGERS
272 KC. 118.7 MC.
ARDMORE
400
116.1 MC.
On request
CLARENDON
233
POST AAF
201 KC. 126.18 MC.
FOR ROOSEVELT VHF RANGE SEE CHART 146
FOR CHILDRESS VHF RANGE SEE CHART 146
FOR DETAILS IN THE OKLAHOMA CITY AND WICHITA AREAS SEE CHART 87
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "H" QUADRANTS
VARIATION 12° E TO 9° E
ABILENE 107
FT. WORTH 109
OKLAHOMA CITY 85
STATUTE MILES
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
TO ALBUQUERQUE 83
TO LITTLE ROCK
GARDEN CITY
GARDEN CITY AAF
GARDEN CITY No. 1
GARDEN CITY No. 2
GARDEN CITY No. 3
DODGE CITY No. 4
DODGE CITY AAF
DODGE CITY
SATANTA
PLAINS
MEADE
BUCKLIN
GREENSBURG
STAFFORD
PRATT AAF
PRATT MUN
HI-WAY
KINGMAN
NAS. HUTCHINSON
HUTCHINSON MUN.
SALINA
ABILENE
MEDICINE LODGE
STARK
PROTECTION
ASHLAND
STRICKLAND
ANTHONY
KIOWA
GLENN MARTIN
LIBERAL AAF
BEAVER
BUFFALO
KANS.
OKLA.
TEX.
KANSAS CITY
ALBUQUERQUE
JIMMIE RAY
ALVA
WAYNOKA-KELSEY
GREAT SALT PLAINS AAF
KITTENBRINK
WHITE BIRD
BLACKWELL
MAUKS
PONCA CITY
TONKAWA
PERRY
NORTH
ENID AAF
WOODRING
WOODWARD AAF
WOODWARD MUN.
PERRYTON
GAGE
ARNETT
VICI
SEILING COOK'S
HEMPHILL CO.
AMARILLO
GARDEN
ALBUQUERQUE FORT WORTH
PAMPA AAF
PAMPA
PAMPA INT
TWITTY
ARCHER
CLINTON
BENNETT
CORDELL
VICTORY
WEATHERFORD
KELL AIR
WATONGA
KINGFISH
AMARILLO
ALAMREED
SHAMROCK
SAYRE
SENTINEL
DILL
CADDO
DUKES
HADDOCK
HUNTER'S
HOBART
ANADARKO
WASHINGTON
HOHMANN
FONDER
WELLINGTON
ROOSEVELT
CLARENDON
ARLIE
HOLLIS
ALTUS MUN
ALTUS AAF
WALKER
OLUSTEE
MEMPHIS
CHILDRESS AAF
CHILDRESS
TURKEY
COMMERCIAL
VERNON
FREDERICK AAF
GRANDFIELD MUN.
GRANDFIELD
WALTERS
WICHITA FALLS
LAWTON
FORT SILL
HALLIBURTON
DAVIS
MARIETTA
ARDMORE
ARDMORE MUN
JOLLY AERO
SULPHUR
ATOKA
ANTLERS
COMMUNITY
ADA
WALKER
McALESTER
HARTSHORNE
STILLWATER NO. 1
STILLWATER No. 2
CUSHING
STROUD
NEWALLA
SAPULPA
BRISTOW
OKMULGEE
COMMERCIAL
HARVEY YOUNG
HATBOX MUSKOGEE
HAWK'S
OKEMAH
SHAWNEE
SEMINOLE
BOREN
WEWOKA MUN.
WEWOKA COM.
HOLDENVILLE
OKLAHOMA CITY
TULSA NORTH
RED FORK
GLENPOOL
BIXBY
JENKS
BROKEN ARROW
COWETA
WAGONER
OWASSO
SKIATOOK
BARTLESVILLE
NOWATA
PAWHUSKA
FAIRFAX
FOYIL
SKIATOOK
COLLINSVILLE
CLAREMORE
VERDIGRIS RIVER
WILL ROGERS
LONE
WEBBERS FALLS
MUSKOGEE
TAHLEQUAH
PARK HILL
CHEROKEE
ALFALFA
GRANT
KAY
NOBLE
PAWNEE
OSAGE
WASHINGTON
NOWATA
CRAIG
OTTAWA
MAYES
WAGONER
CHEROKEE
ADAIR
SEQUOYAH
LE FLORE
MCCURTAIN
CREEK
LINCOLN
OKFUSKEE
HUGHES
COAL
PONTOTOC
JOHNSTON
MARSHALL
BRYAN
CHOCTAW
PUSHMATAHA
LATIMER
PITTSBURG
HASKELL
MUSKOGEE
SEMINOLE
POTTAWATOMIE
CLEVELAND
GARVIN
MURRAY
CARTER
LOVE
MARSHALL
JEFFERSON
STEPHENS
COMANCHE
TILLMAN
JACKSON
GREER
KIOWA
HARMON
BECKHAM
ROGER MILLS
CUSTER
WASHITA
CADDO
GRADY
CANADIAN
KINGFISHER
LOGAN
PAYNE
LINCOLN
OKLAHOMA
POTTAWATOMIE
SEMINOLE
HUGHES
OKFUSKEE
OKMULGEE
MUSKOGEE
WAGONER
TULSA
ROGERS
MAYES
DELAWARE
CHEROKEE
ADAIR
SEQUOYAH
LE FLORE
MCCURTAIN

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Arkansas City (Kans)	3.5 S;RR W	1067	28 S6	73,91 oct.
Arther Arfld (Wichita, Kans)	3 SW;RR N	1290	26 L S6	80,91 oct.P-line N,S,W. Port rnwy lgts.
Baird (Arkansas City)	4 W;hwy S	1100	17 S2	73 oct.P-line S,SW.(Kans)
Beech (Wichita, Kans)	6 E;hwy N	1378	46h L	Factory use only.obst lgts.
Bomhoff (Calumet,Okla)	4.1 SSE	1448	25 S6	73,80 oct. Hwy S
← Caldwell (Kans)	1.2 E;RR W	1140	22 S1	80 oct.Poles SW,SE,NE
Cannon Ball (Wichita,Kans	6.5 WSW; hwy N	1300	24 S6	80 oct.No sto.P-line N.
Central (Edmond,Okla)	2.6 NNE	1211	24	RRW
Cessna (Wichita,Kans)	4.5 SE	1384	53 S2	80 oct.Wichita Arpt 1 N.
(P) Chickasha (Okla)	4 NNW;riv S	1140	35h L5 S6	80,91 oct.No bcn or flood P-line NE,E.
Cimarron (Yukon,Okla)	4 WSW;hwy N	1350	20h S6	80,91 oct.
Culver (Wichita, Kans)	4 N	1320	15h	Reported ABANDONED.
Derby (Kans)	1 NNE;RR W			ABANDONED
El Dorado (Kans)	3.6 SE;hwy W	1400	25 S6	80 oct.Soft,wet weather.
(P) El Reno (Okla)	1.5 SW;RR N	1400	26 L5 S6	80,91 oct.Ctc & range lgts
Frasier (El Dorado,Kans)	2.5 S;riv W	1300	25 S6	80 oct.Poles E,NE.
Garthoeffner Co. Club (Oklahoma City, Okla)	See Country Club under "New Facilities" - name changed.			
Guthrie [illegible]	2 SSE;hwy W	1052	26 L3 S6	80 oct. (Okla)
Hilltop (Augusta, Kans)	2 NE;RR SE			ABANDONED.
Ken-Mar (Wichita,Kans)	3 ENE;RR N	1375	23 L S6	80,91 oct. No sto. Port rnwy lgts.Obsts
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIVATE
Lake View (Yukon, Okla)	2.7 E;RR N	1275	24 S1	80 oct.Poles N,S.
← Mariash (Chickasha,Okla)	2 SSE;RR E	1275	30 S2	80 oct. P-line NW,SW.
Marlow (Okla)	1.6 N;RR E	1150	22 S6	80 oct.P-line N.
Max Westheimer (Norman, Okla)	2.7 NW;RR E	1178	50h S6	80, 91 oct.
(P) Mustang (El Reno,Okla)	5.3 SSW	1400	52 S6	80,91 oct.
Newkirk Skypark (Okla)	2.5 SE	1140	29	P-line N,NW. RR SW.
(N) Newton (Kans.)	4 ENE;rd S	1527	70h S6	80,91 oct.P-line W,N.
← Nuckols (Okla.City, Okla)	7.2 SSW; hwy W	1265	30 S6	80 oct. P-line N,NE,SW, W,NW.
OKLAHOMA CITY Range (Will Rogers) (Okla)	359(OL)(116.1)	78°, 1.6	BMRAZ-DTV	(3); 116.1, 122.1
(P) Pauls Valley (Okla)	2.1 S;RR E	967	35h L1 S4	80,91 oct.
Purcell-Lexington (Lexington, Okla)	See Lexington-Purcell under "New Facilities" - name changed.			
Rawdon (Wichita, Kans)	6.7 E;hwy S	1396	26 L S6	80,91 oct.Port rnwy lgts.
Riverside (Wichita, Kans)	4 NNW;riv E	1310	26	Use in emerg only.
(A) South (Winfield, Kans)(A)	14 SSW	1230	40h	CLOSED.
(P) Strother (Winfield, Kans)	See Winfield-Arkansas City under "New Facilities" - name chg.			
TINKER Army Range (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
TINKER Tower (Okla)	396 (126.18)+		CA	(3); 126.18
(A) Tinker (Oklahoma City, Okla) (A)	8.5 SE;RR NE	1272	78h L5 S6	73,100 oct. JP-1
← Tulakes (Oklahoma City, Okla)	8 WNW lake 2 SW	1400	44h S6	80,91 oct.P-line N,S,NW
University (Wichita, Kans)	5 NE;RR N	1350	27 L S6	80,91 oct. Port rnwy lgts. P-line E.
University (Langston, Okla)	1 S;road N	1025	26	Bldg SE corner.
Wellington (Kans)	3.5 N;RR W	1290	26 S6	80 oct. P-line sur fld
Wheatley Arpk (Moore, Okla)	0.6 NE;hwy W	1273	24 S6	80,91 oct.
WICHITA Range (Kans)	332(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1,122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(NG)[Wichita] (Kans)	5.3 SE	1372	75h L6 S6	80,91 oct. 100 oct. for Army.
Wiley Post (Oklahoma City, Okla)	7.9 NNW; hwy E	1216	34 S6	80,91 oct. Trees S.
WILL ROGERS Tower (Okla)	272 (118.7)		AC (ILS)	(4); 118.7,126.18,122.5
← [Will Rogers] (Oklahoma City, Okla)	7.5 SW;hwy E	1283	57h L6 S6	80,91,100 oct. Port lgts prior req.
Wilson (Wichita, Kans)	7.6 NE	1410	29 L S6	80,91 oct.P-line N,NE,NW.
Winfield (Kans)	2 E;RR S	1200	20 S6	80 oct. Lgt acft only. Pwr line N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WICHITA	110.3 ·=·=·	335	3°			MM- ·-·-· (0.69)	OM- —·— (5.37)
						MMK-201 ·-·	OMK- 317 ·-·-·
WILL ROGERS	109.9 ·=·=·	333.8	350°	IM-		MM- ·-·-· (0.66)	OM- —·— (4.6)
						MMK-	OMK-

NEW FACILITIES

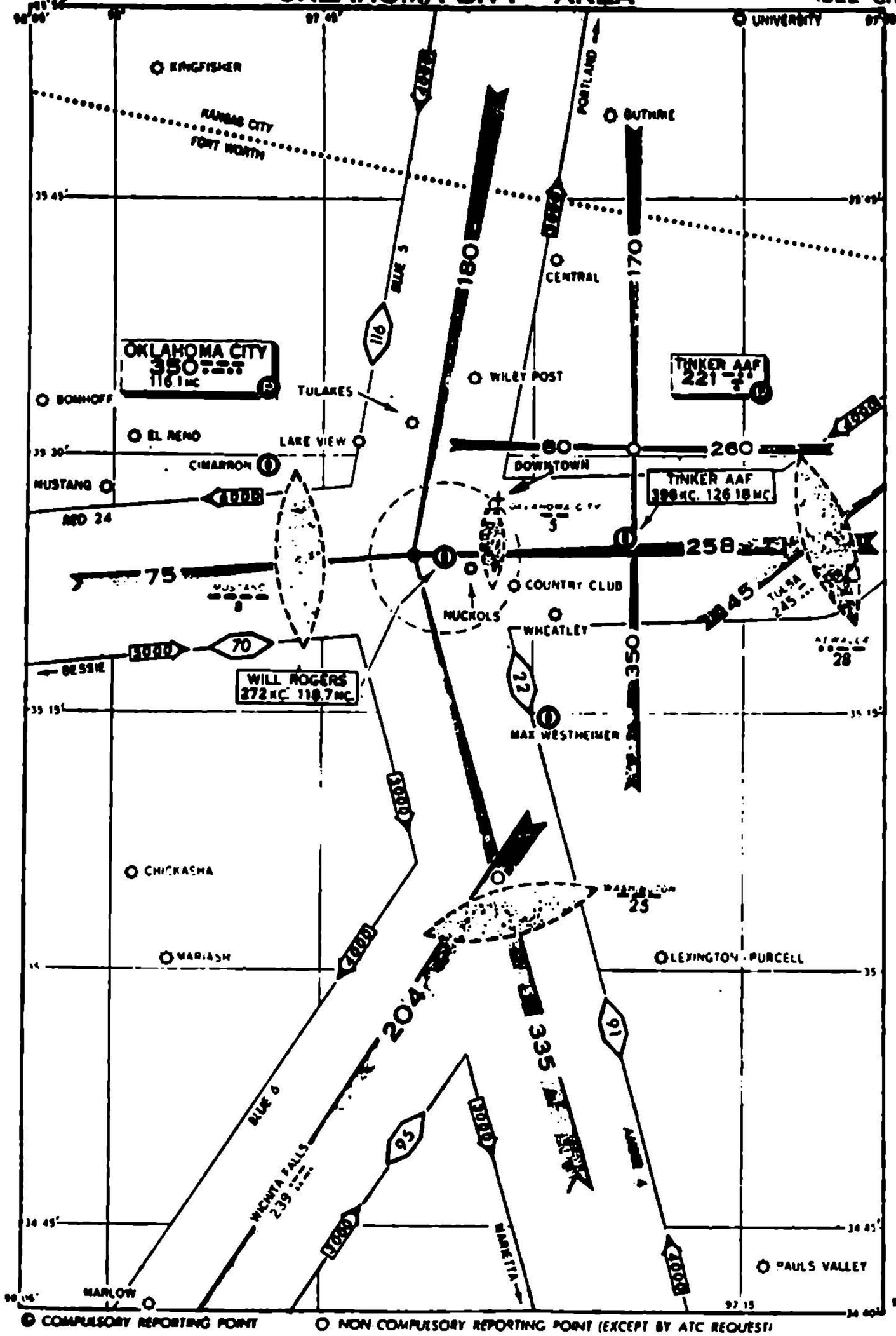
FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
← Lexington-Purcell (Lexington,Okla.)	0.8 WSW; riv W	1100	21 S1	80 oct.rough N. Ctn when wet
Country Club (Okla.City, Okla)	7.3 S;hwy E	1250	19h S6	80 oct.
(P) Winfield-Arkansas City (Winfield,Kans)	5.7 SSW;RR S	1150	58h L5 S2	80 oct.No bcn.Use strips.
BEECH Tower (Wichita, Kans)	239		CI	3105,6210 (7-17) daily except Sun & holidays.
← Downtown Arpk (Okla City)	1.5 SW	1132	26h S2	80 oct. (Okla)

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (P) - 3105, 4495, 6210 kcs. (A) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 126.1, 127.25, 149.55 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

OKLAHOMA CITY AREA

(SEE CHART 85)



WICHITA AREA

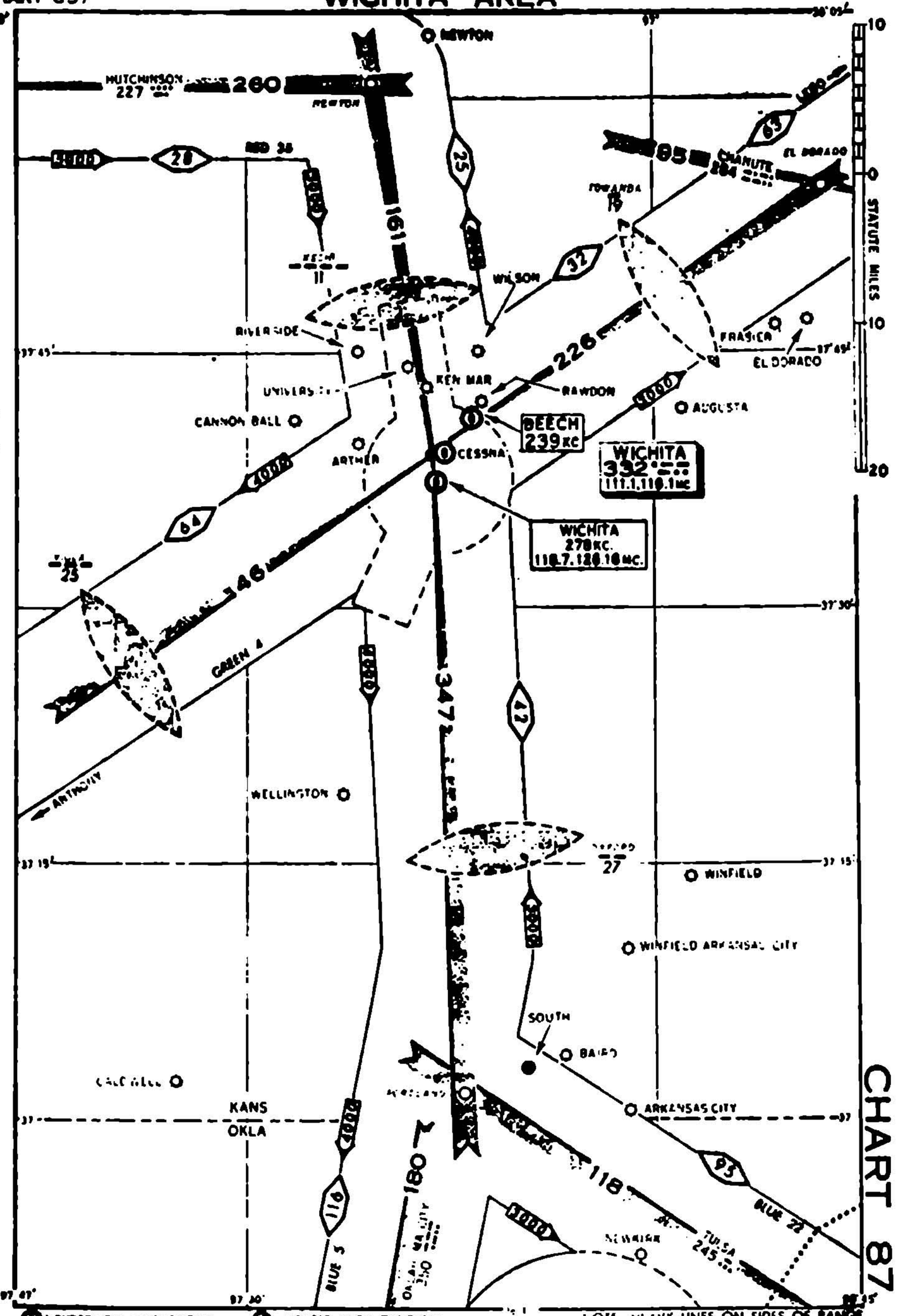


CHART 87

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

(E): EXTREMELY HAZARDOUS (C): USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N° QUADRANTS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ADAMS Tower (Ark)	278 (126.18, 118.5)		C	(4); 126.18,118.5, 122.5 (7-23)
(NG) [Adams](Little Rock, Ark)	4 E;RR W	260	52h L5 S6	80, 91 oct. 73,100 oct, JP-1,2-ech maint NG.
ADVANCE Range (Int) (Mo)	317(AF)(116.1)	354°, 1.5	SBMRAZ-DTV	(4);116.1,122.1
* Advance Int,48,NO-LS	0.8 WSW	355	29 L3	(Mo) N blkd. Trees E.
Alma (Ark)	1.5 ESE;rd S	450	23 S2	80 oct, P-line S.PRIVATE
American Legion (Blytheville, Ark)	1.5 ESE;RR N			ABANDONED
Arkansas Polytechnic (Russellville, Ark)	1.3 N;hwy W	350	23 S6	80,91 oct.SE blkd. P-line W.
(P) Atkinson (Pittsburg, Kans)	2.5 NW;hwy 1.3 E.	948	40h L S6	80 oct. Flood,obst lgts
Bailey (Cabot, Ark)	0.5 W;RR SE	270	16 S2	80 oct.Trees sur fld.
Bass (Lula, Miss)	2.2 SSE	200	13 S1	80 oct.N blckd.Hwy E
Batesville (Ark)	3 S;hwy E	400	25 S3	80 oct.N,W blkd.P-line E
* Batesville Int,29,NO-LS (Miss)	3 W;hwy SE	205	25 L3	Poles N, lgtd. W,N,
Benton (Ark)	1.6 W;hwy N	300	20 S2	80 oct.P-line S.Trees
Bentonville (Ark)	1.5 SSW;RR N	1200	24 S1	80 oct.
Berryville (Ark)	1.3 WNW	1150	13 S1	70 oct,Trees S.hwys N,S.
Biggers (Ark)	2 ESE	290	45	;RR 2 NW Cattle on fld.
BLYTHEVILLE Range (Ark)	221 (LY)	226, 14.2	RLWZ	
(P) Blytheville (Ark)	3.5 NW	254	50h S6	80,91 oct.
Bolivar (Mo)	1.8 WSW	1138	24 S2	80 oct.N,S blkd.Hwy N.
Bowden (Mena, Ark)	1 E;RR NW	1177	16 S1	73 oct.
Bowen (West Memphis, Ark)	1.5 W;hwy N	215	17 L S6	80,91 oct.Floodlgts; port rnwy lgts.Poles
Branson (Mo)	4 W;mtn NNW	1069	19 S4	80 oct.W,NW blkd] SE.
(P) Brinkley,37,DL-LV (Ark)	1 E;hwy N	188	31 L3 S1	80 oct. days.Obst NW. Heavy acft emerg only.
Cabool (Mo)	0.8 SW		18 S1	80 oct. Data unver.
Cape Commercial (Mo)	4.8 SW;Hwy N	340	35	CLOSED. P-line N
Carbondale (Ill)	1E;lk1.5SW	450	23 S6	80 oct.
(P) Carlisle Aux. (Ark)	3 NE;RR 1.5 S	236	45h	
Carthage (Mo)	See Meyers Field under "New Facilities" - name changed			
Cassville (Mo)	3.9 S;hwy E	1375	26 S1	80 oct.P-line NE.
Central (Little Rock)	4.5 NE;RR S	255	35 S4	80 oct.Trees W.Data un-
Charleston (Mo)	1 ESE;RR NW	300	31 S2	80 oct.Poles Silver (Ark)
Chester (McBride, Mo)	3.8 NW;riv N	372	20h	Allway: 5388 x 4695'.
Clarksdale (Miss)	1.5 SE;hwy NW	175	21 L1 S6	80 oct.P-line N.
Commercial (De Witt)	2.4 W;RR N	196	24 S6	80 oct.P-line E. (Ark)
(P) Conway (Ark)	1.5 SE;hwy W	309	32 S6	80,91 oct.P-line N,E.
Cooter (Blythev'l,Ark)	10 NE			ABANDONED
Copp (Calico Rock,Ark)	1.8 N	425	18	Fence S.
Dexter (Malden, Mo)	12.5 NNE	215	45h	
Dockery (Stuttgart,Ark)	1.5 NNW	214	24 S6	73,80 oct.P-line N,S,E
Diamond (Mo)	2.1 SSW;Hwy E	1150	19 S2	80 oct.SW,NW blkd.
(A) Dyersburg AAF (Tenn)	9 S;RR E	289	62h	CLOSED. (A)
Dyersburg Mun.(Tenn)	2 SW;riv N	337	40h S4	80 oct. No sto.
Earl Fields (Poplar Bluff, Mo)	3.8 ENE; hwy S	325	26 S6	80 oct. P-line S.
Embry Riddle (Union City, Tenn)	See Stewart Field under "New Facilities" - name changed			
Erwin (Newport,Ark)	2.6 SE;rd S	220	45h	CLOSED. Cattle on fld.
Farmington (Mo)	1 ESE;hwy N,E	920	36 S6	80,91 oct.Poles E,N
Farmington Flying Service (Mo)	0.8 NNE; hwy S			ABANDONED
(P) Fayetteville (Ark)	4.5 S;riv E	1251	38 S6	80 oct. P-line SW;ctn.
Fleeman (Manila,Ark)	0.8 S;RR N	240	32 S2	80 oct.P-line N,NE.
Fletcher (Clarksdale)	8 NNE;RR W	175	20h S6	80, 91 oct. (Mo) P-line S
Forrest City (Ark)	0.7 W;hwy SE	226	22 S2	80 oct. Bldg S.
Fort Scott (Kans)	4.5 SW;hwy S	900	28 S2	80 oct.
(P) [Fort Smith] (Ark)	4 SSE;RR S	450	35h L5 S6	80,91 oct.P-line ESE,SSW Stacks W.
(A) Gideon (Malden, Mo)	1 SE Gideon	268	45h	CLOSED.
Gilbrech (Palmer, Ark)	0.2 NE;RR S	178	18 S2	80 oct.N/S strip rough.
Girard (Kans)	1.7 WNW; hwy S	950	14	Obst sur fld. Poles W.
(P) Grider (Pine Bluff,Ark)	5.5 SE;hwy N	210	45 L S6	80,91 oct. Port rnwy lgts
Harlas (Malvern,Ark)	2.2 WSW	275	26 S2	73 oct. P-line NE.RR SE
Harris (Cape Girardeau, Mo)	6.5 SSW; hwy E	340	20h S6	80,91 oct.P-line N.
Harrison (Ark)	4.1 NW;RR 8 S	1380	32 S2	80 oct. SE,S,NW blkd.
Heber Spgs (Ark)	1.5 NNE;hwy E	625	24 S1	80 oct.P-line E,N blkd.
Hazen (Ark)	3.8 WSW	225	45h	
Heavener (Okla)	2 N;RR W	575	27	Use in emerg. only.
J.B.Wilson (Joiner,Ark)	0.5 ENE			ABANDONED.
Jameson (Picher,Okla)	4.5 W			ABANDONED
John Brown University (Mosley,Okla)	See Brown University under "New Facilities"-name changed.			Caution.
John's Arpk.(Flippin)	0.3 NNW	620	27 S1	80 oct.N,SE,S,NW blkd.
(P) Jonesboro (Ark)	3.5 ESE; RR all sides	264	44h S6	80,91 oct.Use (Ark) rnwys.
JOPLIN Range (Mo)	400(JH)(vhf)	172°, 6.2	BMRLZ-DTV	(4);116.1,122.1
(P) [Joplin] (Mo)	5 NNE;hwy S	981	43h L4 S6	80, 91 oct. P-line NE
Kennett (Mo)	1.3 E;RR W	260	26	30' poles N.
Kennon (Union City, Tenn)	3.2 WSW; hwy N			ABANDONED
King (Houston,Mo)	0.8 WNW	1180	15 S1	80 oct.Poles S.Hwy ESE
* Lebanon , 54B, AQ-LS	2.5 SSE	1380	26 L3 S6	80 oct.(Mo.) Hwy E.
Levee (W.Memphis, Ark)	2.4 E;RR N	215	24 L S4	80,91 oct.Port rnwy lgts P-line N,S.Wires W.
LITTLE ROCK Range (Adams) (Ark)	353 (LI) (116.1)	313°, 3.8	SBRAZ-DTV	(3); 116.1, 122.1
* Luxora Int,39,NO-LS	1 WNW	240	31 L2	(Ark). Hwy S. S blkd.
McFarland [Springfield]	4 SSE;hwy E	1310	34 S6	80 oct. P-line S,NW(Mo)
(P) McLaughlin (Hot Spgs, Ark)	See Hot Springs Memorial Fld under "New Facilities" - Name changed.			
Macarin (Marion, Ill)	4.6 WNW	470	35 S6	80,91 oct. Hwy W.
(A) Malden AAF (Mo)(A)	3.5 NW;RR E	296	50h	CLOSED.
Manila	1.6 NE	240	53	Cattle on fld.
Marks (Miss)	1.5 NW;hwy S	165	22 S2	80 oct.Trees N,E.
MEMPHIS Range (Tenn)	371 (PS) (116.1)	356°, 2.1	SBRAZ-DTV	(3); 116.1, 122.1
MEMPHIS Tower (Tenn)	278 (126.18, 118.7)		AC (ILS)	(4); 126.18,122.5,118.7 See Notice to Airmen
(A) [Memphis] (Tenn)	5.9 SSE; RR 2 NE	269	52h L6 S1	80,91,100 oct.JP-1;Rdo rqrd.P-line SW.
Memphis Flying Service (Tenn)	11 SE;RR 3 NW	286	35 L4 S6	80,91 oct.P-line S.No bcn.Lgts prior req. Rnwy lgts data unver.
MEMPHIS NAS Tower	293 (142.74)		CN	3105; 142.74 (6-24)
(N) Memphis NAS (Tenn) (N)	16 NNE;RR NW	322	50h L5 S6	73,91,100 oct. Lgts on req.
(P) Miami (Okla)	2.2 NNW	800	33h L1 S6	80,91 oct. RR E
Milltown (Tuckerman,	4.5 E;	244	45h	(Ark).Emerg only.
Monett (Mo)	0.5 NE;hwy S	1392	26 S4	80 oct.P-line SW
Monkey Island (Afton, Okla)	7.8 SE;RR NW	750	26 S1	80 oct.P-line W.
Murphysboro (Ill)	3 N;riv SE		20 S1	80 oct. Data unver.
Neosho com. (Mo)	4.8 NNW	1140	27 S2	80 oct. P-line SW,NW
Neosho 43B,AQ-SL(Mo)	2.8 SW;hwy E	1215	26 L3 S6	80 oct.P-line NE,W,NW
(P) Nevada (Mo)	3 NE;hwy N	850	36 L S6	80 oct. P-line SW,W,NW
Newport (Ark)	6 ENE;hwy N	237	50h S6	73,80,91 oct. Port lgts on req.
Norman (Ola, Ark)	1.8 NNE			ABANDONED
North Cairo (Cairo,Ill)	3 NNW	312	24 S4	73 oct. RR E wet
Overholt (Cotton Plant)	3 W;hwy S,W	250	18 S1	(Ark) 80 oct,Ctn when
(P) Oxford (Miss)	8 S;hwy E	300	30 S6	80,91 oct,Trees NW,Soft.
Paris (Ark)	1.8 NE;RR W	500	23 S1	80 oct.SW,W blkd, P-line
Poteau (Okla)	1.5 SSW	460	19 S6	80 oct.P-line NNW,E,NE.
* Prairie du Rocher Int, 55, NO-LS (Ill)	0.5 S;RR NE	390	37 L3	Trees S, N.
(P) Prairieville (Almyra,Ark)	3 W	205	45h	
Ramsey (Campbell,Mo)	1.6 SW;RR NW	295	18 S2	80 oct. NE.
Rogers (Ark)	2.7 N;RR E	1325	32 S6	80 oct. SE blkd.Trees
Rogers Arpk (Springfield, Mo)	2.1 E;hwy W	1367	38 L4 S6	80,91 oct. Lgts prior req. Pwr line N
Rolla (Mo)	3.5 NE;rd S	1201	31 L S6	80,91 oct.Port rnwy lgts
Round Pond (Ark)	1.5 NNW	200	22 S2	80 oct. PRIVATE. SW
(P) Sanders (Walls,Miss)	1.8 S;hwy NW	210	51 S6	80,91 oct.Trees N,SE.
Searcy (Ark)	2.8 S;RR E	260	21 S1	80 oct.P-line NE,SE.
Sexton (Kennett,Mo)	2.8 SW;hwy E	263	26 S2	80 oct.
Sky Haven (W.Plains,Mo)	2.4 NW	1049	22	RR E.
Sloan (Black Rock,Ark)	0.5 NE;RR W	270	16	
Smith (Hasty,Ark)	3 SSW;rd E,S	1150	16 S1	80 oct. N,S blkd.
Springdale (Ark)	0.8 SSE; RR,5 W	1200	19 S4	80 oct. P-line NE,SW S,NW blkd.
SPRINGFIELD Range (Mo)	254 (SX) (vhf)	134° 4.3	SBRAZ-DTV	(4);116.1,122.1
(A) [Springfield] (Mo)	5.5 WNW; RR NE	1269	56h L5 S6	80,91,100 oct. 100 oct, JP-1 ArmyUse rnwys only
Steele (Blythev'l,Ark)	12.3 N			ABANDONED
Stilwell (Okla)	1.4 N;RR W	1125	18 S2	80 oct.
STUTTGART Range (Ark)	269 (DSA)	173° 4.5	MRLWZ	
(P) Stuttgart (Ark)	7 N;RR E	223	50h S6	80,91 oct.
Tahlequah (Okla)	4.3 N;rd E	1050	22 S6	80 oct.
(P) Thompson-Robbins (Helena, Ark)	6 NW;RR S	242	30 S6	73,80 oct.
Toney (Pine Bluff,Ark)	2.5 N;hwy W	215	28 S2	80,91 oct.Twr NW lgtd.
Tucker (Hughes,Ark)	1.1 S			ABANDONED.
Walcott #3 (Walnut Ridge, Ark)	14.2 ESE	285	45h	2 W of Walcott.CLOSED. NOT MAINT.Cattle on fld.
WALNUT RIDGE Range (AAF) (Ark.)	362 (DWR)	174°, 5.0	MRLWZ	
Walnut Ridge AAF (Ark)	4 NE;RR SE	275	50h	CLOSED.
* Whiteville Int, 49, DL-LV (Tenn)	0.6 NNW;RR E	494	30 L3	
Wilson (Memphis, Tenn)	11.5 SE;hwy W	320	26 S6	73 oct.
Wynne (Ark)	3.2 N;RR E	212	25 S3	80 oct. P-line E, SE.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

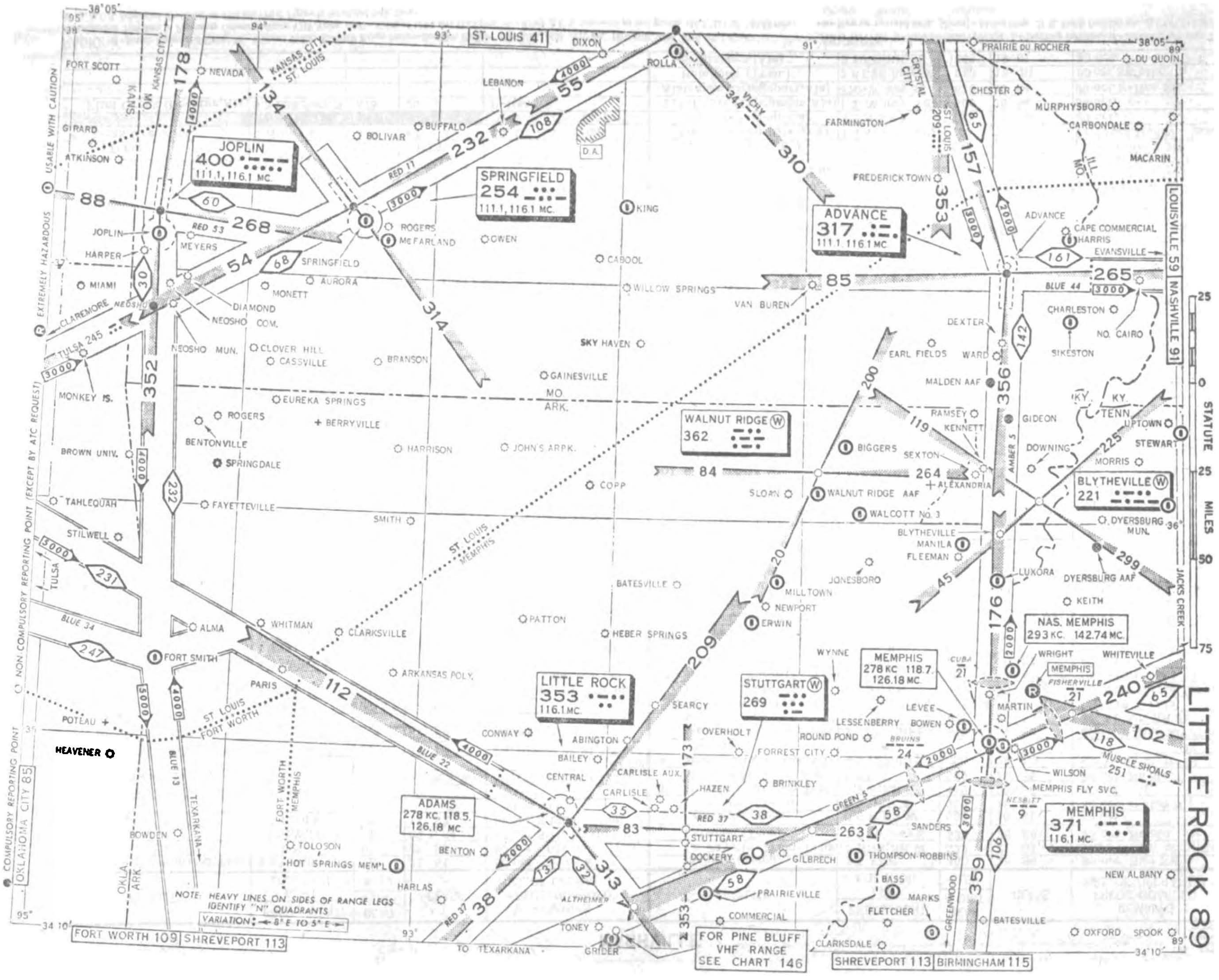
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MEMPHIS	109.9	333.8	86°	IM-	MM- (0.69)	OM- (4.88)
				MMK-201		OMK- 215
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Spook (Pontotoc,Miss)	2 W;hwy N	3000	15 S1	80 oct.P-line N.
PINE BLUFF Range(Ark)	108.7 (PL)		VARW	
Clarksville (Ark)	2.5 E;hwy S	425	27 S1	P-line SE,WSW
Whitman (Ozark,Ark)	1.2 NNW	600	25 S1	80 oct. Hwy SW. Bldg SW,
Martin (Memphis,Tenn)	6 ENE;RR N	258	22 S6	80,91 oct.P-line S.
Ozark Skyranch (Eureka Springs,Ark)	See Eureka Springs under "New Facilities" - name changed.			
Central(N.Lit'l Rock,Ark)	5 ENE;hwy S	255	35 S4	80 oct.Trees W.Caution.
New Albany (Miss)	2 W;hwy S	450	15 S1	80 oct.All apps.blkd exc N,S
Wright (Memphis,Tenn)	9 N;hwy,RR E	214	35 S2	80 oct.P-line E.
Morris (Oblon,Tenn)	0.3 NW	340	25	P-line S.
Uptown (Union City,Tenn)	1 NE;hwy SE	350	15 S4	80 oct.No sto.P-line S.
Keith (Henning,Tenn)	1 SW;RR SE	350	12 S1	80 oct.Trees W,SW,E.
Toloson (Mt.Ida,Ark)	0.3 N	650	24 S1	73 oct.P-line both ends.Soft.
Lessenberry (Parkin,Ark.)	1.3 SW;hwy E	200	12 S2	80 oct.Trees N
Patton (Clinton,Ark.)	2.1 S;hwy E	755	25 S1	Ltd 80 oct,Trees sur fld.Soft.
Pocahontas (Ark)	2 SE;riv S N	250	30 S1	80 oct.
Alexander (Paragould,Ark.)	12 NE		25	Trees N,S.Data unver.
Stewart (Union City,Tenn)	5 ESE;hwy NE	340	18h L S6	80,91 oct.Flood lgts.
Meyers (Carthage,Mo)	2 S;hwy E	1007	26 L S6	80 oct.Port rnwy lgts.
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80oct P-lineNE,SW,E,S
Harper (Joplin,Mo)	2.5 W;hwy N	1050	30 S6	80 oct.N,S,SW blkd Poles
Owen (Seymour, Mo)	3 NE;orchard E	1600	21 S2	80 oct.Use strip only NW, NE
Gainesville (Mo)	2.0 ENE;hwy SW	1060	18 S1	80 oct.Trees NW
Fredericktown (Mo)	4.8 S;hwy W	1000	15 S2	80 oct.Trees S,NE;bldg N
Clover Hill Airstrip	0.7 WNW	1530	13	Use strip only
Willow Springs (Mo)	0.7 E	1220	20 S1	80 oct.N blkd.
Downing (Hayti, Mo)	1.5 W;hwy S	270	16 S2	80 oct.P-line S.Use strip
Carlisle (Ark)	0.5 S;hwy N	240	26 S2	80 oct P-line N;trees S
Buffalo Mun.(Mo)	1.2 NW;hwy E	1200	13 S2	80 oct Trees NE
Cabool (Mo)	1 SW	1200	18 S1	80oct Trees N;p-line S
Dixon (Mo)	1.5 W;RR S	1220	16 S1	80oct TreesNNE,NW
Sikeston (Mo) (Ark.	2 NE; RR S	315	58 S6	80 oct. P-line W.
(P)Hot Springs Memor'l	3 S;hwy N	525	41h L5 S6	80,91 oct. Lgts prior req.
Eureka Springs (Ark)	6.5 NW;riv E	1150	24 S1	80 oct.NW blkd.
Brown University(Mosley Okla.)	3.6 ESE;hwy S	1183	27 S6	80 oct.Appchs blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (2) - 2182, 4498, 6210 kcs. (4) - 2182, 4498, 6210, 2117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.85 mcs. ● A.A.C.S. Scheduled Broadcast on 4795 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) -n- New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


38°05'
95°
94°
93°
91°
89°
ST. LOUIS 41
DIXON
ROLLA
PRAIRIE DU ROCHER
DU QUOIN
FORT SCOTT
NEVADA
KANSAS CITY
ST LOUIS
LEBANON
CRYSTAL CITY
CHESTER
MURPHYSBORO
CARBONDALE
MACARIN
GIRARD
ATKINSON
BOLIVAR
BUFFALO
FARMINGTON
FREDERICKTOWN
JOPLIN
400
111.1, 116.1 MC.
SPRINGFIELD
254
111.1, 116.1 MC.
ADVANCE
317
111.1 116.1 MC.
ROGERS
McFARLAND
OWEN
KING
CABOOL
ADVANCE
CAPE COMMERCIAL
HARRIS
EVANSVILLE
JOPLIN
MEYERS
HARPER
MIAMI
SPRINGFIELD
AURORA
MONETT
WILLOW SPRINGS
VAN BUREN
DEXTER
CHARLESTON
NO. CAIRO
SIKESTON
CLAREMORE
NEOSHO
DIAMOND
NEOSHO COM.
NEOSHO MUN.
CLOVER HILL
CASSVILLE
BRANSON
SKY HAVEN
GAINESVILLE
MO.
ARK.
EARL FIELDS
WARD
MALDEN AAF
TULSA 245
MONKEY IS.
EUREKA SPRINGS
ROGERS
BERRYVILLE
BENTONVILLE
SPRINGDALE
HARRISON
JOHN'S ARPK.
WALNUT RIDGE (W)
362
RAMSEY
KENNETT
GIDEON
TENN.
KY.
KY.
UPTOWN
STEWART
BIGGERS
SEXTON
DOWNING
MORRIS
BROWN UNIV.
TAHLEQUAH
FAYETTEVILLE
SMITH
COPP
SLOAN
WALNUT RIDGE AAF
ALEXANDRIA
BLYTHEVILLE (W)
221
WALCOTT NO. 3
DYERSBURG MUN.
STILWELL
TULSA
BLYTHEVILLE
MANILA
FLEEMAN
JONESBORO
LUXORA
DYERSBURG AAF
BATESVILLE
MILLTOWN
NEWPORT
ERWIN
KEITH
ALMA
WHITMAN
CLARKSVILLE
PATTON
HEBER SPRINGS
NAS. MEMPHIS
293 KC. 142.74 MC.
WRIGHT
WHITEVILLE
FORT SMITH
PARIS
ARKANSAS POLY.
LITTLE ROCK
353
116.1 MC.
STUTTGART (W)
269
WYNNE
MEMPHIS
278 KC. 118.7
126.18 MC.
MEMPHIS
FISHERVILLE
SEARCY
LESSENBERRY
BOWEN
LEVEE
MARTIN
POTEAU
HEAVENER
CONWAY
ABINGTON
OVERHOLT
ROUND POND
BRUINS
FORREST CITY
WILSON
MUSCLE SHOALS
BAILEY
CENTRAL
CARLISLE AUX.
CARLISLE
HAZEN
BRINKLEY
MEMPHIS FLY SVC.
ADAMS
278 KC. 118.5
126.18 MC.
STUTTGART
DOCKERY
GILBRECH
THOMPSON-ROBBINS
SANDERS
MEMPHIS
371
116.1 MC.
BENTON
TOLOSON
HOT SPRINGS MEM'L
BOWDEN
HARLAS
ALTHEIMER
PRAIRIEVILLE
BASS
MARKS
FLETCHER
NEW ALBANY
TONEY
COMMERCIAL
GRIDER
CLARKSDALE
GREENWOOD
BATESVILLE
OXFORD
SPOOK
FOR PINE BLUFF
VHF RANGE
SEE CHART 146
TO TEXARKANA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 8° E TO 5° E
OKLAHOMA CITY 85
FORT WORTH 109
SHREVEPORT 113
SHREVEPORT 113
BIRMINGHAM 115
34°10'
95°
93°
89°
LOUISVILLE 59
NASHVILLE 91
LITTLE ROCK 89
JACKS CREEK
STATUTE MILES
25
50
75
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
KANS. OK. KANSAS CITY
ST. LOUIS MEMPHIS
ST. LOUIS FORT WORTH
FORT WORTH MEMPHIS
TEXARKANA
OKLA. ARK.
ILL. MO.
AMBER 5
GREEN 5
BLUE 13
BLUE 22
BLUE 34
RED 11
RED 37
RED 53
D.A.
178
134
55
232
108
88
60
268
54
68
314
30
352
232
231
247
112
310
344
VICHY
209
157
85
353
209
161
265
BLUE 44
85
142
356
200
119
225
264
84
20
45
176
299
240
65
102
118
251
24
9
263
58
60
106
359
313
137
32
38
83
35
173
353
2000
3000
4000
5000
6000

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Abernathy(Pulaski,Tenn	3.6 SSW;hwy NE	650	31 S1	80 oct. Trees E.
Ashland City (Tenn)	1.8 WNW	400	22 S6	80 oct. Riv SW. req.
Athens (Ala)	3.2 NNW;hwy E	780	27 L S4	80 oct. Strip lgts prior
Baldwyn (Miss)	0.5 E;rd S	380	15 S2	80 oct. S blkd. Soft when wet.
Beaver Dam (Decatur)	7 E;RR 3.5 N	580	20	(Ala)
BERRY Tower (Tenn)	278 (118.3, 126.18)		AC(ILS-W)	(4);126.18,118.3,122.5
(A) [Berry] (Nashville,Tenn)	6 SE;hwy S	606	55h L6 S6	80-100 oct. 73,91,100 oct. Army
Bomar Airways (Shelbyville, Tenn)	5 N;hwy W	825	22 S6	80 oct. P-line W.
BOWLING GREEN Range	368 (BA)	296°,3.8	SBMRAZ-DT	(4)
(P) Bowling Green (Ky)	2.5 SSE;hwy W	540	40h L5 S4	80,91 oct. Fld lgts on req.to commun. stn.
Boyd (McMinnville,Tenn)	4.6 SW;RR N	1000	20	
Brown (Hohenwald,Tenn)	1 ESE; hwy S	950	20 S1	80 oct. P-line SE,SW
(A) Campbell AAF (Hopkinsville, Ky.) (A)	12.8 S;RR E	557	54h	TMP INACT-NO FACS. CLOSED.
CHATTANOOGA Range (Tenn)	341(CB)(116.1)	203°,3.0	SBRAZ-DTV	(3); 116.1, 122.1.
CHATTANOOGA-LOVELL Tower (Tenn)	278 (126.18, 118.9)		C	(4);126.18,118.9,122.5
Chattanooga-Lovell	5.5 E;RR E	678	45h L5 S6	80, 91 oct. (Tenn)
Clifton (Tenn)	1.4 E Lake W	402	28 S1	80 oct.
Cookeville (Tenn)	1.5 NNE;RR N	1050	25 S4	80 oct. Sto. in emerg. Poles W.
Corinth 7,PS-TM(Miss)	5 WSW;hwy N	418	39 L3 S1	80 oct.
Cornelia Fort (Nashv'l) Tenn)	6 ENE;riv E	420	30 L S6	80 oct. Flood,strip lgts 2200, Mon thru Thurs.
Courtland (Ala)	1.8 W	588	50h	CLOSED.
(P) Crossville,9,NA-WA	3.3 WNW;hwy S	1862	30 L3	(Tenn)
Cumberland (Nashville)	3 NNW;riv N	400	34 S6	80 oct. No sto.(Tenn)
Dalton (Ga)	5.7 ESE;riv NE	700	22 S1	80 oct. Trees N.
Davenport (Ft.Payne,Ala)	1.1 NE;RR,hwy NW	1010	24 L S4	80 oct. Flares prior req.
→ DeSoto Park Land Strip (Ft.Payne, Ala)	6 NE;Top of mtn ridge	1556	18	Trees ESE,WNW. Rocky spots.
Dick's (Fayetteville,Tenn)	1.5 S;hwy E	600	14	P-line E. Trees W.
Franklin Air Svc.(Tenn)	1.3 WSW	645	18 S1	80 oct. E blocked.
Garnett (Hopkinsv'l,Ky)	5.5 SSE;RR W	550	23 S4	80 oct.
(P) Gill-Dove (Martin,Tenn)	3.5 S;hwy E	416	35 S6	80 oct.
★ Graham Int,59,DL-LV	1.5 NW;hwy E	536	27 L3	(Tenn)
Graves Co.(Mayfield,Ky)	3.6 ENE;hwy S	543	26 S1	80 oct.
Guntersville Dam (Ala)	9.1 NW;hwy E	600	30	Reservoir S. P-line SE.
Hartselle (Ala)	1 WSW;hwy N	588	18 S4	80 oct. Ctn.
Humboldt (Tenn)	4.6 ESE;hwy W			ABANDONED.
Huntsville (Ala)	3.1 S;RR E	610	38h S6	80-91 oct. Hills NE,E,S.
(A) Huntsville Arsenal (A)	7 SW;RR NW	677	50h L5	(Ala)
JACKS CREEK Range (Int.) (Tenn)	332(JK)(116.1)	186°, 2.6	BMRLZ-DTV	(4); 116.1
★ Jacks Creek Int.	2 N;hwy E	550	43 L3	53, DL-LV (Tenn)
NEW FACILITIES				
Flint Creek (Decatur,Ala)	5.5 SSE;hwy N	575	20	P-line NE.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Jackson (Tenn)	2.5 ENE	450	28 S6	80 oct. Hwy NW.
La Fayette-Trion (Trion)	3 NNE;RR W	722	21 S1	80,91 oct. SW blkd. (Ga)
Lebanon (Tenn)	1.8 SW;hwy E	522	28 S6	73 oct. No sto.
Lexington (Tenn)	0.5 E;RR W	520	10 S1	80 oct.
Lewisburg (Tenn)	0.5 S;RR E	720	18 S2	80 oct. P-line N.
(P) McKellar (Jackson,Tenn)	5.8 W;RR S	410	36h S6	80 oct.
Madison Air Strip (Tenn)	2.3 ESE	560	19 S6	80 oct. No sto.
★ Manchester Int,16A,AG-NA (tenn)	4.5 ESE;hwy SW	1090	29 L3	53' trees W, N.
Maury Co.(Mt.Pleasant)	2.5 ENE;RRSW	672	31 S2	80 oct. P-line NW.(Tenn)
Milan (Tenn)	2.8 NNE	421	25 S5	80, 91 oct. RR SE.
MUSCLE SHOALS Range	251(ED)(116.1)	282°,4.6	SBRAZ-DTV	(4); 116.1 (Ala)
Muscle Shoals (Ala)	1.5 E;rd N	545	40h L5 S1	80,91 oct. No fuel for mil acft.
NASHVILLE Range (Berry)	304(NA)(116.1)	246°,2.6	SBRAZ-DTV	(3); 116.1,122.1
North Sauty Base (Scottsboro, Ala)	3.2 SSW; Lake S	610	20 S1	80 oct.
Outlaw (Clarksville,Tenn)	7.4 NNW	550	37 S5	80 oct. RR W.
Paducah-McCracken Co (Paducah, Ky)	8.8 W;RR N	405	40h L5 S6	80,91 oct. No sto. lgts prior req.
Paris (Tenn)	4.3 NW;hwy N	500	28 S6	80 oct. No sto. P-line N.
Pryor (Decatur, Ala)	4 NNE;hwy W	588	44 S6	80, 91 oct. NW.
Rossville (Ga)	2.1 SSW	760	21 S1	80 oct. S blkd. Hwy E.
Sky Harbor (Murfreesboro, Tenn)	7.3 NW;hwy SW	560	39 S6	73 oct. No sto. Poles NE.
SMITHVILLE Range (Int.)	347(XM)(116.1)	177°,1.4	SBMRAZ-DTV	(4); 116.1 (Tenn)
★ Smithville Int,5,NA-WA	1 E;rd S	073	34 L3 S1	80 oct. (Tenn)
SMYRNA AAF Tower (Tenn)	219 (126.18)+		CA (ILS)	(3); 126.18
(A) Smyrna AAF (Nashville, Tenn)(A)	17 SE;RR SW	512	55h	TMP INACT-NO FACS.
S.T.College(Murfreesb'o)	2 E; hwy N	600	34 S4	80 oct. Poles N.(Tenn)
Thomas(Chattanooga)	3 N;RR E	640	38	(Tenn)
University of South	1.8 WNW;RR NE	870	23 S2	80 oct. (Cowan,Tenn)
Wilks (Fayetteville,Tenn)	2.5 NNW;hwy E	650	20 S2	80 oct.
(A) William Northern (A)	2 WNW;rd S	1081	50h	CLOSED. (Tullahoma, Tenn)
Wood-Dearing(Russellv'l,Tenn)	4 E	780	20 S4	Fuel from town

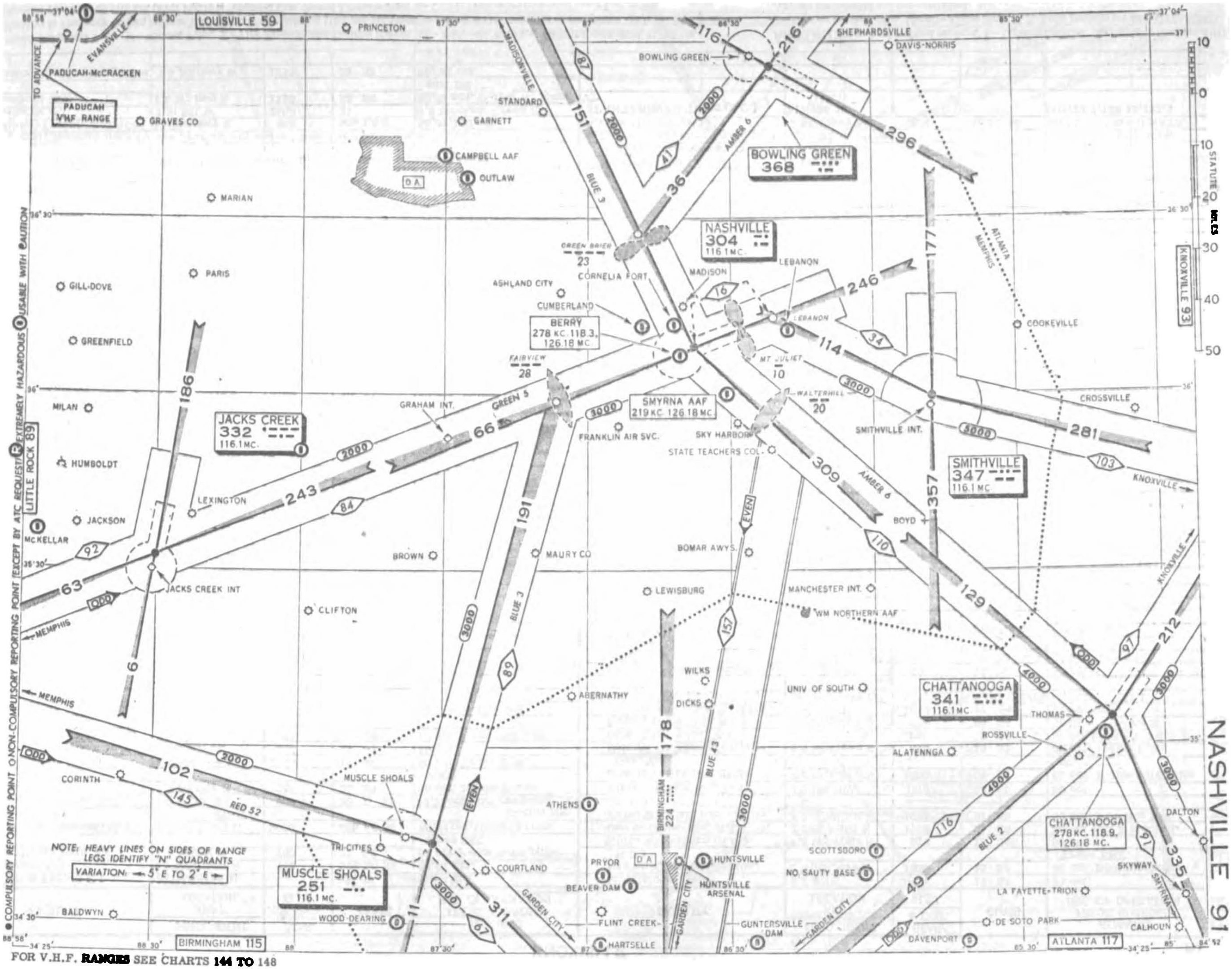
INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BERRY	109.9		14°	IM-	MM- •—•—(0.81)	OM- — — (5.7)
					MMK-356 •—•••	OMK-375 ••••—
SMYRNA AAF (A)	109.5	332.6	230°	IM- (0.04)	MM- •••••(0.81)	OM- — — (4.31)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES				
Greenfield (Tenn)	2 SSW;riv S	410	35 S1	80 oct. P-line N NW-
Moody(Oneonta,Ala)	1.5 NE;hwy 0.5 NW	790	18 S4	80 oct. Soft when wet blkd,
Abington (Beebe,Ark)	1.5 WSW;RR S	300	24 S1	80 oct. P-line SE,N,NE,
Princeton (Cedar Bluff)	4 SSW;hwy S	400	25 S1	80 oct. Trees SW.(Ky)
Standard (Elkton,Ky)	0.5 SW;hwy N	540	22 S1	80 oct. Water tank E of N
Marian (Hazel, Ky)	3.2 N;hwy E	532	21 S1	80 oct. Poles E,NE. end strip
Davis-Norris (Glasgow)	1.4 WSW;hwy SE	760	20 S1	91,80 oct. Muddy.
Skyway (Calhoun,Ga)	4.5 N;RR E	730	15 S1	80 oct.
Tri-Cities (Tuscumbia,Ala)	1.2 SW;hwy .5 ENE	500	26 S4	80 oct.
Alatennga (Bridgeport,Ala)	3 NNW;hwy SE	650	20 S4	80 oct. P-line NE.
Humboldt (Tenn.)	2.8 ESE;hwy SW	380	18 S1	80 oct. SW blkd.
Scottsboro (Ala)	2 NNE;RR SE	666	19 S1	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 148

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ANDERSON H Fac. (S.C.)	296(AS)(116.1)		MHTV	(4); 116.1
Anderson (S.C.)	4.5 WSW;hwy S	783	50h L5 S6	80,91 oct.
Ashley (Honea Path, S.C.)	1.5 E;hwy N	780	21 S2	80 oct.P-line WNW,NNW; trees SSE.
(P) [Asheville-Hendersonville] (Asheville, N.C.)	11.5 SSE;RR 1 WNW	2090	40h L5 S4	80,91 oct.100 oct Army.
(P) Barksdale (Laurens, S.C.)	2.8 E;RR NE	700	30 L S6	73,91 oct.Port rnwy lgts. P-line NE.
Belmont (N.C.)	1.3 NE;riv E	740	20 S6	80 oct. No sto.P-line WNW.
Black Mountain (N.C.)	1.8 SW; RR N	2270	18 S6	80 oct. Trees E,W.
Bridges (Kings Mountain,N.C.)	1 SW;RR SE	930	17 S2	80 oct.
Bridges Arpk (Shelby, N.C.)	3.3 NE;lake W	975	18 S6	80 oct.Trees SSW,ESE.
Brockenbrough (Derita,N.C.)	3.8 WNW;RR E	800	22 S6	80 oct. P-line SSE.
Burris (Lincolnton, N.C.)	2.2 SW;RR SE	960	10	UNUSABLE.
Byers (Shelby, N.C.)	3 SE;RR SW	875	16 S4	80 oct.
Cannon (Charlotte, N.C.)	3 WNW; hwy S	788	24 L S6	80,91 oct.Flood lgts on req
CHARLOTTE Range (Douglas) (N.C.)	212 (CF)(116.1)	359°,1.7	BMLZ-DTV	(3); 116.1
Chesnee (S.C.)	2 S; RR W	910	18	PRIVATE.
(P) Chester (S.C.)	5 NNE; RR W	709	50h S4	80 oct. No sto.
Chilhowie,29B,NA-WA (Va)	3.9 SE;riv N,SW	2100	34 L3 S4	80 oct.P-lines SW,NE.
Coulbourn (Lancaster, S.C.)	1 SSW;hwy SW	560	32 S4	80 oct.
DOUGLAS Tower (N.C.)	396 (126.18,118.9)		C	(4); 126.18,118.9,122.5
(P) [Douglas] (Charlotte, N.C.)	5.5 W;hwy .5 N	745	52h L5 S6	80, 91 oct.P-line N.
Elkin (N.C.)	2.8 SW;RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Fairforest (Spartanburg,S.C.)	5.8 WNW;rd W	830	23 S6	80,91 oct.
Francis Marion (Marion,N.C.)	2.5 NE;RR N	1450	19 S6	80 oct. Hill E
Franklin (N.C.)	1.2 ESE;riv W	1996	28 S2	80 oct.
Galax (Va)	6.5 S;hwy E	2575	19 S6	80 oct. Hill SSE.
Gastonia, mun, (N.C.)	4.5 SSE;hwy SW	800	30h L S1	80,91 oct. Port rnwy lgts. on req.
GREENVILLE Range (S.C.)	281(GC)(116.1)	2°,1.9	BMLZ-DTV	(4);116.1,122.1
[Greenville] (S.C.)	3.2 E;RR SE	1015	42h L5 S6	80,91 oct. 100 oct. in emerg. No bndry lgts.
GREENVILLE AAB Tower (S.C.)	272 (126.18)+		CA	(3); 126.18
(A) Greenville AAB (S.C.) (A)	7.5 SSE;hwy W	959	55h L5 S6	73,100 oct. JP-1. No sto.
H & H Flying Service (Brevard, N.C.)	1.5 ENE;riv S RR N	2140	20 S1	80 oct. P-line WNW.
Hendersonville (N.C.)	1.5 ESE;hwy SW	2200	30 S6	80, 91 oct.
Hickory (N.C.)	2.2 W;RR S	1180	40h S6	80, 91 oct.
Island (Knoxville, Tenn)	2.5 E	831	43 S6	80,91 oct.
Jasper (Ga)	1.2 NNW;RR SW	1935	16 S2	80 oct.
Johnson City (Tenn)	3.8 NE	1650	21 S6	81 oct. No sto.
Josephson (Asheville, N.C.)	3 W;riv E	2200	20 S1	80, 91 oct.
King Field (Clemson, S.C.)	2.4 ENE;RR NW	900	20 S4	80 oct. Trees N.
Kings Mountain (N.C.)	3.5 SW;RR SE	980	23 S2	80, 91 oct.
KNOXVILLE Range (McGhee Tyson)Tenn.	257 (KX)(116.1)	192°,2.8	SBRAZ-DTV	(3); 116.1, 122.1
KNOXVILLE Tower (Tenn)	See Mc-Ghee Tyson under "New Facilities" - name changed			
(P) [Knoxville-McGhee-Tyson] (Knoxville, Tenn)	See McGhee-Tyson Arpt listed in alphabetical order-name changed			
Lakeside (Dandridge, Tenn)	6.5 E;hwy S	1000	23	
(P) Le Tourneau (Toccoa, Ga)	2.5 NE;RR S	950	31 L2 S6	80, 91 oct.Poles SSW.
Lincolnton (N.C.)	3.2 ENE;hwy S	960	23 S6	80 oct. P-line SSW
MEMORIAL Tower (S.C.)	See Spartanburg under "New Facilities" - name changed			
(N,P) [Memorial] (Spartanburg,S.C)	See Spartanburg under "New Facilities" - name changed.			
(P) [McGhee-Tyson] (Knoxville)	12 SSW;hwy E	988	50h L6 S6	80,91,100 oct.
Micaville (N.C.)	1 S; RR W	2500	21	N,S blocked. Creek E.
Middlesboro (Ky)	1.2 W; hwy S	1150	23 S6	80,91 oct. P-line W. Mtns sur. fld.
Morganton-Lenoir (Morganton, N.C.)	7.5 NE;hwy W	1253	33 S2	80, 91 oct.
Morristown (Tenn)	5.7 ENE	1400	19 S1	73 oct.
Newton-Conover (Newton, N.C.)	2 N;RR,hwy E	1030	15 S6	80 oct. NNE blocked. Trees ENE.
North Wilkesboro (N.C.)	1.3 WSW;riv S	970	15 S4	80 oct.
Owens (Asheville, N.C.)	2.3 SSW;RR E	1988	25 S6	80, 91 oct. E blocked.
Paris Mountain (Greenville, S. C.)	4.2 NNW;RR E	1006	21 S6	80 oct. Pwr line NW.
Pierce (Kingsport, Tenn)	3 S;RR NW	1210	22 S6	80 oct.
Powell Valley (Big Stone Gap, Va)	4 ESE;hwy NW	1700	25 S4	80 oct. P-line ENE;hills W.
Pulaski Co. (Sumerset, Ky)	3.5 SSW;hwy E	675	16 S1	80 oct. P-line E,W.
Rice (Monticello, Ky)	1.8 NE;hwy W	920	18 S2	80 oct.F-line W.Mtns E.
Roddey (Rock Hill, S.C.)	2.7 SW;RR NW	664	28 S4	80,91 oct.P-line S.
Rutherford (Spindale, N.C.)	1.5 SSE;RR N	1012	17 S4	Trees NNW.
SPARTANBURG Range (S.C.)	248 (SU)(116.1)	58°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
Spindle City (Gastonia, N.C.)	3.2 E;RR N	795	19 S2	80 oct.
Statesville (N.C.)	3.6 WSW; RR SE	990	27 S2	80 oct. Trees N.
Sylva (N.C.)	2.4 NE;riv SW	2039	23 S2	80 oct.
TRI-CITY Range (Tenn)	221 (TI)(116.1)	252°,3.3	SBMRAZ-DTV	(3);116.1,122.1
TRI-CITY Tower (Tenn)	278(118.7)		C	(4); 118.7,122.5,126.18
(P) [Tri-City] (Bristol,Tenn)	14.5 SW	1518	45h L5 S6	80, 91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

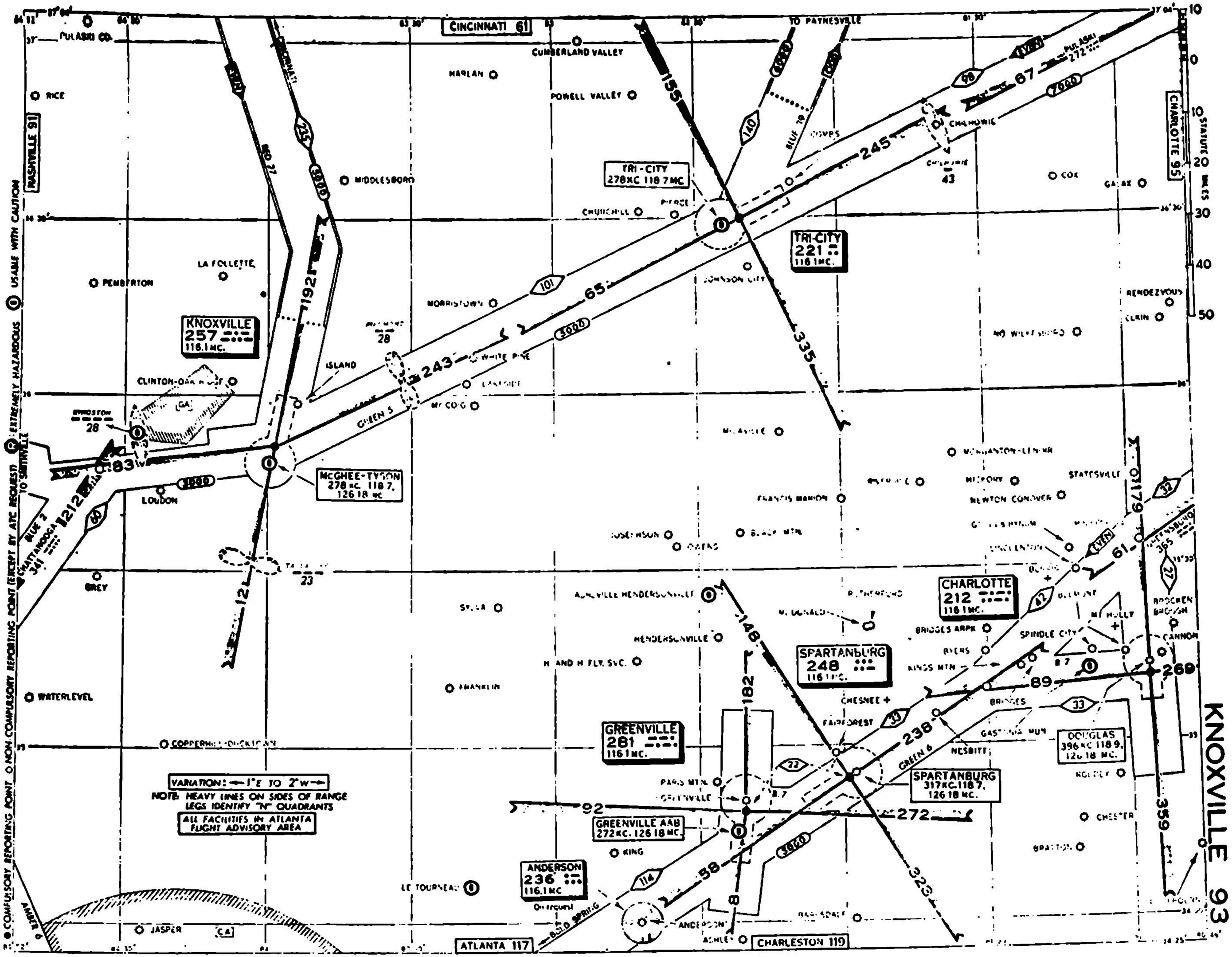
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
Mc-GHEE TYSON	110.3	335	44°	MM- ·—· (0.61) OM- — — (4.34)
				MMK- OMK-
				MM- OM-
				MMK- OMK-
				MM- OM-
				MMK- OMK-
				MM- OM-
				MMK- OMK

NEW FACILITIES

Combs (Bristol,Va)	3 NE	1865	20 S6	80 oct.P-line N.
McDonald (Spindle,N.C.)	1,2 SSE;hwy W	1000	20	Trees S.
Mc-GHEE TYSON Tower (Tenn)	278 (126.18, 118.7)		C (ILS)	(4);118.7,126.18,122.5
Harlan (Dillon,Ky)	0.5 E;RR N	1150	21 S1	80 oct.Pole E.Ctn.Mtns
Riverside Arpk (Morganton,N.C.)	2 W;riv NE	1020	22 S2	80 oct.Mtn E.
Rendezvous (Jonesville,N.C.)	1 E;riv N	1000	22 S1	80 oct.NW blkd.
Bratton (Chester,S.C.)	1.4 SE;RR SW	550	17 S2	80 oct,Emerg. only.
Copperhill-Ducktown	2.5 NE	1700	15	(Copperhill, Tenn)
Waterlevel (Cleveland,Tenn)	3 SSE;hwy N	800	20 S1	80 oct. N,S blkd.
Grey (Athens, Tenn)	2.2 N;RR E	691	23 S4	80 oct.
Pemberton(Glenmary,Tenn)	0.8 NNE;RR W	1370	18	E.W blkd.
White Pine (Tenn)	0.5 S;hwy E	1160	18 S1	80 oct.
Mc Coig(Newport, Tenn)	5 W;hwy N	1330	16	P-line E.
London (Tenn)	1.8 WSW;riv 1 N	800	14 S1	80 oct
La Follette(Jacksboro,Tenn)	1.5 NE;RR NW	1129	18 S1	80 oct.
Clinton-Oak Ridge(Clinton)	4.6 S;rd S	860	20 S4	80 oct.P-line WSW;ENE blkd.
Churchill (Tenn)	1 SE;riv 1 S	1240	22 S1	80 oct. (Tenn)
Mt. Holly (N.C.)	2.5 NW;hwy,RR E	650	20	
Nesbitt (Gaffney,S.C.)	2.1 WNW;hwy SE	800	15 S1	80 oct.E,erg only.NNE blkd.
Cox Fld (Independence,Va.)	4.5 WSW;riv S	2459	16 S2	80 oct.Hill E,W.
Cumberland Valley(Lynch,Ky.)	2.8 NNE;hwy N,W	1530	18 S2	80 oct.Mtns ENE,WSW.
(N,P) [Spartanburg] (S.C.)	2.5 SW;hwy SE	804	44h L5 S6	80,91 oct.100 mil.NATS.
SPARTANBURG Tower (S.C.)	217(126.18) 118.7)		C	(4);118.7,126.18,122.5

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ☆ - Control only when associated tower inoperative.

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


CINCINNATI 61
TO PAYNESVILLE
PULASKI CO.
CUMBERLAND VALLEY
HARLAN
POWELL VALLEY
RICE
NASHVILLE 91
CHARLOTTE 95
MIDDLESBORO
TRI-CITY
278 RC 118.7 MC
TRI-CITY
221
116.1 MC.
CHILHOWIE
COVE
GALAX
PIEDMONT
43
CHURCHILL
PIEDMONT
LA FOLLETTE
PEMBERTON
JOHNSON CITY
MORRISTOWN
RENDEZVOUS
CLERIN
KNOXVILLE
257
116.1 MC.
ISLAND
28
CLINTON-OAK RIDGE
WHITE PINE
LANCING
McCOMB
GREEN 5
BRISTOL
28
McGHEE-TYSON
278 RC 118.7,
126.18 MC
LOUDON
MILLSVILLE
MONTEAGLE-SEWANEE
STATESVILLE
MOORESVILLE
NEWTON CONOVER
FRANCIS MARION
ROSEMONT
OAKES
BLACK MTN.
CHATTANOOGA
341
BLUE 2
GREY
23
ASHEVILLE HENDERSONVILLE
CHARLOTTE
212
116.1 MC.
BRIDGES ARPK
RYENS
KINGS MTN
SPINDLE CITY
CANNON
BROOKEN
BROWN
HENDERSONVILLE
H AND H FLY. SVC.
FRANKLIN
WATERLEVEL
SPARTANBURG
248
116.1 MC.
CHESNEE
FAIRFOREST
NESBITT
GREEN 6
SPARTANBURG
317 RC 118.7,
126.18 MC.
DOUGLAS
396 RC 118.9,
126.18 MC.
GREENVILLE
281
116.1 MC.
PARIS MTN.
GREENVILLE
GREENVILLE AAB
272 RC. 126.18 MC.
KING
ANDERSON
236
116.1 MC
LE TOURNEAU
JASPER
BOLD SPRING
ANDERSON
ASHLEY
CHARLESTON 119
ATLANTA 117
VARIATION: 1°E TO 2°W
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
ATC REQUEST TO SMITHVILLE
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE MILES
KNOXVILLE 93

CHARLOTTE

NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-DTV;359°, 1.7	(3):116.1,122.1
DOUGLAS ARPT. (Charlotte)	396(126.18 118.9)	C	(4): 126.18,118.9,122.5
GREENSBORO	365(GW)(116.1)	SBRAZ-DTV	(3):116.1,122.1
Greensboro-High Point Airport	210(126.18 118.7)	C· 241°, 1.5	(4):118.7,126.18,122.5
LUMBERTON	278(FNE)	MH	(3)
POPE (Ft. Bragg) (Army)	338(DOP) (116.1)	SBMRAZ-V ;355°.2.3	(3): 116.1
Pope Field	396(126.18)+	CA(ILS);355°, 2.3	(3):126.18
RALEIGH (Raleigh-Durham Arpt.)	350(DU)(116.1)	SBRAZ-DTV(ILS) 299°, 3.8	(3):116.1.122.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18, 118.3)	C	(4): 126.18,118.3,122.5
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	SMRLWZ;328°.5	

SOUTH CAROLINA

FLORENCE	320(FLO)(116.1)	SBMRLZ-DTV, 292°,1.7	(4):116.1.122.1

[redacted]

DANVILLE	344(VE)(116.1)	MHTV	(4):116.1 (Manned 8-24)
PRESTON GLENN (Lynchburg)	248	C	(4)
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-DTV, 247°, 2.1	(4): 116.1
ROANOKE (Woodrum Field)	371(RO)(116.1)	SBRAZ-DTV, 349°,1.8	(3): 116.1
WOODRUM FIELD (Roanoke)	278 (118.5)	AC	(4): 122.5,118.5,126.18

NEW RADIO FACILITIES

RALEIGH-DURHAM (Raleigh),N.C.	266(126.18, 118.3)	C	(4):126.18, 122.5,118.3

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
POPE(A)				DECOMMISSIONED		
RALEIGH,	109.9	333.8	48°	IM-	MM- ·–·– (0.62)	OM- ––(4.43)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1. 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W,RR N	450	25 S2	80 oct E,SE,W,NW blocked
Asheboro	1.8 SSW	864	18 S6	80 oct. Hwy NW.
(A)Balloon (Ft.Bragg)(A)	1 NNW,RR E	225	22	
Belmont	1.3 NE,riv E	740	20 S6	80 oct.No sto.P-line WNW
Bridges(Kings Mtn.)	1 SW,RR SE	930	24 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW, RR E	800	22 S6	80 oct.Pole line SSE
Brooks(Red Springs)	1.2 N,RR SE	208	26	
(P)Burlington	4 SW,hwy W	638	37h L5 S6	80 oct.Pole line S.
Burris(Lincolnton)(NC)	2.2 SW,RR SE	960	10	UNUSABLE.
(A)Camp MacKall AAF (A) (Hoffman)	3.5 E	350	50h	TEMP INACT. NO FACS
Candor (NC)	1.1 E,RR N	710	19	NE,SW,WNW blkd.
Cannon (Charlotte)	3 WNW,hwy S	766	24 L S6	80,91 oct. Flood lgts req
Carolina Arpk Inc. (Kannapolis)	3.1 SSE;RR W	730	19 S3	80 oct.
Caswell (Yanceyville)	3.2 W; hwy E	640	20 S2	80 oct line W, S
Coley (Concord)	2 SW,	790	12 S2	80 oct. Trees ESE.Fwr
Colonial Flying Svc. (Mt. Airy)	1.4 NNE, Quarry SE	950	20 S2	80 oct.Pole line,trees NNW.
Concord	4.5 ESE,rd E,S	700	19 S6	80 oct.Pole line NE.
Delta Air Base (Charlotte)	6.7 E,hwy S	750	31 S6	80,91 oct.No sto.Poles NW
(P)DOUGLAS(Charlotte)	5.5 W,RR N	745	52h R2 L5 S3	80,91 oct.
Durham Airways	7.8 N,RR 2E	480	15 S6	80 oct.Trees N,S.
Elkin	2.8 SW,RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Erwin	1 SW,riv SW	195	30 S4	80,91 oct.
Fairchild (Burlington)	1.5 E,RR S	640	35h S4	80 oct.Trees N
Fayetteville	5 N,hwy E	238	36 L1 S6	80 oct. Pwr line E.
Fraley (High Point)	2.5 SSE,RR W	1000	17 S6	80 oct.Strips rough. Trees SE.
Gastonia	1.3 SW			ABANDONED
Gastonia, mun.	4.5 SSE,hwy SW	800	30h L S1	80,91 oct, Port. rnwy lgts on req.
Gilmore No. 1(Julian)	0.6 SE,RR N	760	10 S1	80 oct.
Gilmore No.2 (Silver City)	4.1 SE,RR W	550	22	Trees N,S blkd.
(N)GREENSBORO-HIGH POINT	8 WNW,RR SW	905	40h R2 L5 S6	80,91,100 oct.NATS P-line SW.
Hickory	2.2 W,RR S	1180	40h S6	80,91 oct.
Hogan (Chapel Hill)	3.8 NW;hwy E	530	20 S2	80 oct.Trees SSE.
Horace Williams (Chapel Hill)	1.3 NNW,RR W	502	49 S4	80 oct.
Kannapolis	2.8 N,RR E	750	23 S6	80,91 oct.Trees WNW.
Kings Mountain	3.5 SW,RR SE	980	23 S2	80,91 oct.
Knollwood (Pinehurst)	5 NE,hwy W	455	53 L5 S4	80,91 oct.
Laurinburg-Maxton (Maxton)	3.5 N,riv E	220	65h L5 S6	80,91 oct. No flood lgts. Data unver. Lgts on req.
Lee County (Sanford)	1.5 SE;RR W, S	400	19 S4	80 oct.Pwrline sur fld.
Lexington	2.3 SW,RR E	735	21 S1	80 oct.Pole lines SSW.
Lillington	1.1 NNE,RR S	210	15 S2	80 oct.Pole line NW.
(P)Lumberton	3 WSW	126	50h R1 L2 S6	80,91,100 oct.Hwy NNW.
McLean Brothers (Gibsonville)	0.5 SW,hwy NE	723	18 S6	80 oct.
Mayo (Mayodan)	0.8 W,riv E	900	24 S2	80 oct.P-line N,S.Trees W
Mocksville	2 W,RR E	800	14 S2	80 oct.
Monroe, com.	2.8 SSE	600	20 S2	80 oct.
Monroe, mun.	2 NNW,hwy S	680	29 S4	80,91 oct. P-line SE,SSW.
Mt. Airy	2.2 SW,RR E	1050	20 S2	80 oct. WSW
Newton-Conover (Newton)	2 N; RR, hwy E.	1030	15 S6	80 oct. NNE blkd. Trees ENE.
North Wilkesboro	1.3 WSW,riv S	970	15 S6	80 oct.
Parkers (Eagle Spgs)	1.8 NW,RR	700	40 S1	80,91 oct.SW blkd.
Pharis (Durham)	8.1 NE,RR E	310	26 S4	80,91 oct. Pole line, trees NE,WNW,SW.
Pine Acres (Laurinburg)	3.1 SW,RR NNE	205	12 S1	80 oct.
Plaza (Charlotte)	5 NE,RR N	740	20 S6	80 oct.P-line S
(A)Pope (Ft.Bragg)(A)	2 NW,riv NW	220	52h R3 L5 S6	73,100 oct
Raleigh	3.3 SSW,RRW	364	28h S6	80,91 oct.
RALEIGH-DURHAM (Raleigh)	10.5 NW;hwy 1.5 NE	435	45h R3 L6 S6	80,91,100 oct.
Reidsville	3.2 SE,riv S	822	25 S6	80 oct.
(P)Rockingham-Hamlet	3.5 S,RR E	358	46 S2	80 oct.
Routh (Greensboro)	3.3 S,RR E	840	18 S4	80 oct. Trees NE,E,SW
Roxboro	7 NE,RR 2,3W	600	24 S2	80 oct. blkd.
Salisbury	3 SW,RR E	764	25 L2 S6	80,91 oct.Trees ESE.
Skyline (Southern Pines)	4.5 NE,RR NW	460	21 S6	80 oct. N,S blkd.
(P)SMITH REYNOLDS (Winston-Salem)	2.8 NNE,RR W	969	64h R2 L5 S6	80,91 oct.
Spindle City (Gastonia)	3.2 E;hwy N	795	19 S2	80 oct.
Stanly (Albemarle)	6 WNW,hwy S			ABANDONED
Statesville	3.6 WSW	990	27 S2	80 oct. Trees N. RR SE.
Thomasville	3.5 ESE,	860	14 S2	No fuel. hwy N.
Tri-City (Draper)	1.2 W,riv W	560	26 S2	80 oct.
Upchurch(Raeford)	0.5 NNE	255	15 S2	80 oct. RR SSW.
Wadesboro	3.7 NNE	220	18 S4	80,91 oct. RR S
Warf (Reidsville)	3.8 SW,hwy W	820	23 S2	80 oct. Trees NNW,SSE
Whiteville	3.7 S,RR N	60	18 S1	Ltd 80 oct, blkd.
Young Airfield (Oxford)	1.8 SW,RR NW	475	18 S1	Ltd 80 oct.

AIRPORTS — SOUTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Chester	5 NNE,RR W	709	50h S4	80 oct. No sto.
Coulbourn (Lancaster)	1 SSW,hwy SW	560	32 S4	80 oct.
Florence	3.5 E,RR SW	146	60h R1 L5 S1	80,91 oct.
Hartsville	2.1 NNE,	230	25 S2	80 oct. Hwy S.
(P)Hartsville (Darlington)	10 N,hwy E	190	50h	
Huggins (Timmonsville)	1.5 ENE. hwy NW	149	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S,RR W	475	21	
Little Rock	2.5 SE,hwy W			ABANDONED
Lynch Bellinger (Cheraw)	4.2 WNW, RR S	400	22 S4	80 oct.No sto.Pole line S, WSW.
Palmer (Bennettsville)	3.4 NNW, hwy E			ABANDONED WSW.
Roddey (Rock Hill)	2.7 SW;lake S	664	28 S4	80 oct.ESE blkd;p-line
Rowe (Bennettsville)	1.5 NE	190	29 S5	80,91 oct. Trees SW.
(P)Woodward (Camden)	2.9 NE,hwy E	300	30h S1	80,91 oct.

[redacted]

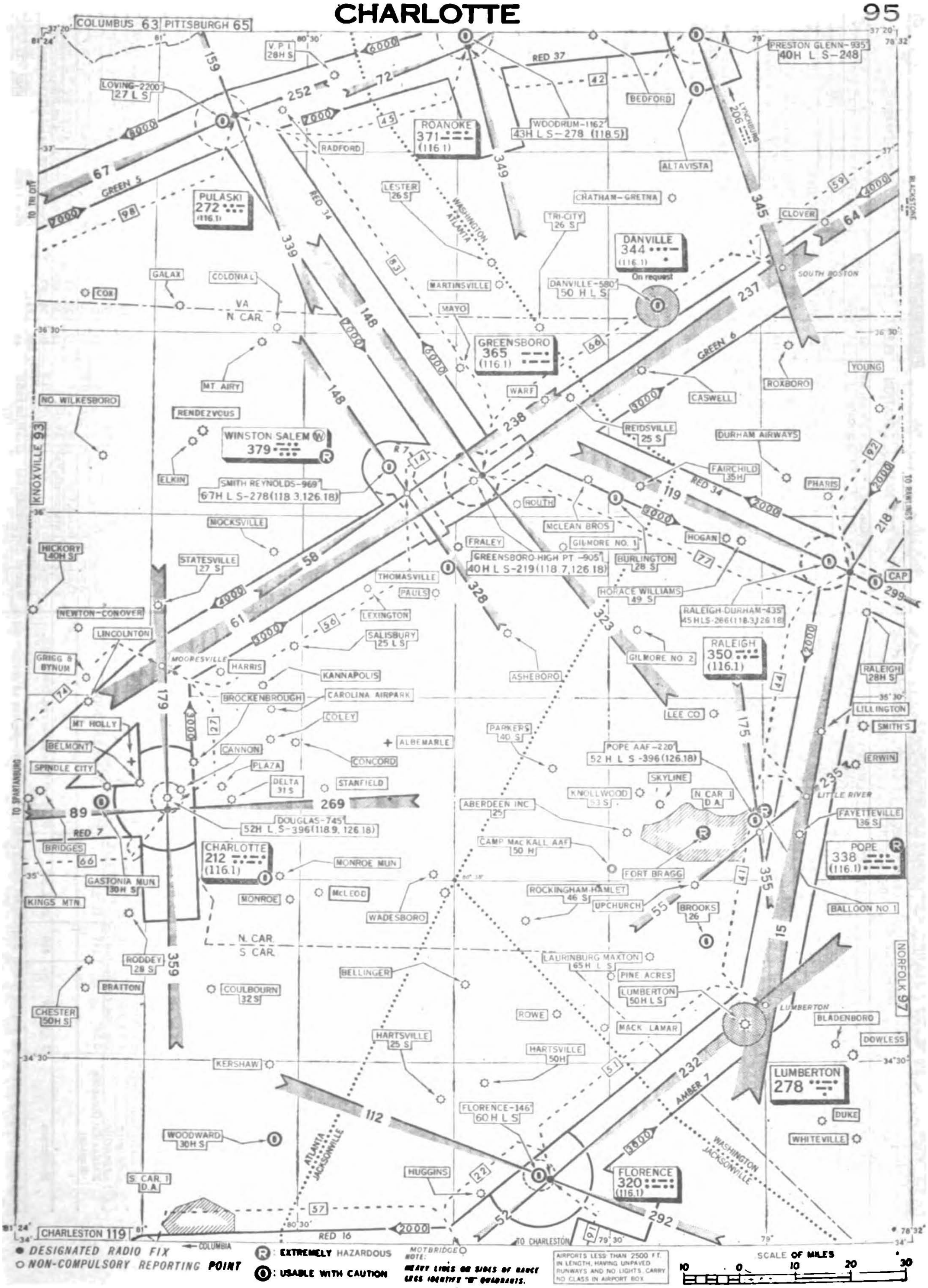
Altavista	5.7 ENE;riv 2S	650	21	
Bedford	1.3 WSW,	1050	16	PRIVATE. RR N
Clover	3.5 SSW, riv E	350	20	Trees E,W,SE,NW. House E,SE.
(P)Danville	3.4 ESE	580	50h R1 L5 S6	80,91 oct.
Galax	6.5 S,hwy E	2575	19 S6	80 oct. Hill SSE.
Lester (Martinsville)	0.8 NNW, RR N	1000	24 S6	80,91 oct.20-75' bldgs SE.
Loving, 35A. NA-WA (Pulaski)	2.8 N;hwy jct NE	2200	28 R1 L3 S4	80 oct. P-line E.
Martinsville	3.5 SSE, RR NE	800	16 S2	73 oct.
(P)PRESTON GLENN (Lynchburg)	6.7 SSW, RR SE	935	40h R2 L5 S6	80, 91 oct.
V.P.I. (Blacksburg)	1.3 SSE,RR W	2100	30h L S6	80,91 oct. Flood lgts only 100 oct army.
(P)WOODRUM (Roanoke)	4.2 NNW	1162	43h R2 L5 S6	80,91,100 oct. Hwy S.

NEW AIRPORTS

Harris (Mooresville) (N.C.)	2.5 ESE; RR NW	900	14 S2	80 oct.
Mc Leod (Wingate)(N.C)	1.5 SE; RR N	565	22 S4	80 oct. No sto
Pauls Air Park (Thomasville,N.C.)	6.5 SSE	775	26	80,91 oct.
Cap (Raleigh,N.C.)	3.5 NNE; RR E	460	35 S6	80,91 oct.High trees S, SW appchs.NNE blkd.
Duke Fld (Chadbourn, N.C.)	1 N;RR SW	96	20 S4	80 oct. Trees N,S.
Radford, (Va.)	1 SW;RR N;W	1950	18 S1	80 oct.P-line W
Grigg & Bynum Arpk (Marion,N.C.)	2.5 S;hwy W	795	18	
Stanfield (N.C.)	1.3 N;hwy E	700	18 S2	80 oct.
Lincolnton (N.C.)	3.2 ENE	1500	30 S6	80 oct. P-line SSW
Rendezvous(Jonesv'l)	1.0 E;riv N	1000	22 S1	80 oct. NW blkd. (N.C)
Bladenboro (N.C.)	0.7 NE;RRW	110	24 S2	80 oct.
Smith's (Coats,N.C.)	1 N;RR	288	13 S1	80 oct. P-line SSE,NW.
Dowless(Abbotsburg)	0.2 N;RR S	99	24 S1	80 oct. SE, /S / blkd.
Mack Lamar(Clio,S.C)	2.3 NE	172	21 S2	80 oct.E SE blkd. (N.C)
Chatham-Gretna (Va)	6 SE;ditch E	550	24 S2	80 oct.Trees ENE,WSW,W
Albermarle (N.C.)	1.7 NW	565	37	Data unver.
Cox Fld.(Independence, Va.)	4.5 WSW; riv S	2459	16 S2	80 oct.Hill E,W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

CHARLOTTE


COLUMBUS 63 PITTSBURGH 65
V P I 28H S
PRESTON GLENN-935 40H L S-248
LOVING-2200 27 L S
RED 37
BEDFORD
LYNCHBURG 206
WOODRUM-1162 43H L S-278 (118.5)
ROANOKE 371 (116.1)
RADFORD
ALTAVISTA
PULASKI 272 (116.1)
LESTER 26 S
WASHINGTON ATLANTA
CHATHAM-GRETNA
TRI-CITY 26 S
CLOVER
DANVILLE 344 (116.1) On request
SOUTH BOSTON
GALAX
COLONIAL
COX
VA
N CAR
MARTINSVILLE
DANVILLE-580 50 H L S
MAYO
GREENSBORO 365 (116.1)
WARF
CASWELL
ROXBORO
YOUNG
MT AIRY
NO. WILKESBORO
RENDEZVOUS
WINSTON SALEM 379
ELKIN
REIDSVILLE 25 S
DURHAM AIRWAYS
SMITH REYNOLDS-969 67H L S-278(118.3,126.18)
FAIRCHILD 35H
PHARIS
ROUTH
McLEAN BROS
GILMORE NO. 1
HOGAN
MOCKSVILLE
FRALEY
GREENSBORO-HIGH PT -905 40H L S-219(118.7,126.18)
BURLINGTON 28 S
HICKORY 40H S
STATESVILLE 27 S
THOMASVILLE
PAULS
HORACE WILLIAMS 49 S
RALEIGH-DURHAM-435 45H L S-286(118.3,126.18)
NEWTON-CONOVER
LEXINGTON
LINCOLNTON
SALISBURY 25 L S
GILMORE NO. 2
RALEIGH 350 (116.1)
GRIGG & BYNUM
MOORESVILLE
HARRIS
KANNAPOLIS
ASHEBORO
RALEIGH 28H S
BROCKENBROUGH
CAROLINA AIRPARK
LILLINGTON
COLEY
LEE CO
MT HOLLY
PARKERS 40 S
SMITH'S
BELMONT
CANNON
ALBEMARLE
POPE AAF-220 52 H L S-396(126.18)
ERWIN
SPINDLE CITY
PLAZA
CONCORD
SKYLINE
DELTA 31 S
STANFIELD
KNOLLWOOD 53 S
N CAR I D A
ABERDEEN INC 25
FAYETTEVILLE 36 S
DOUGLAS-745 52H L S-396(118.9, 126.18)
CAMP MACKALL AAF 50 H
POPE 338 (116.1)
BRIDGES
CHARLOTTE 212 (116.1)
MONROE MUN
FORT BRAGG
GASTONIA MUN 30H S
ROCKINGHAM-HAMLET 46 S
UPCHURCH
BROOKS 26
BALLOON NO 1
KINGS MTN
MONROE
McLEOD
WADESBORO
LAURINBURG MAXTON 65H L S
RODDEY 28 S
PINE ACRES
BELLINGER
BRATTON
COULBOURN 32 S
LUMBERTON 50H L S
CHESTER 150H S
ROWE
MACK LAMAR
BLADENBORO
DOWLESS
HARTSVILLE 25 S
HARTSVILLE 50H
KERSHAW
LUMBERTON 278
DUKE
WHITEVILLE
FLORENCE-146 60 H L S
WOODWARD 30H S
ATLANTA JACKSONVILLE
HUGGINS
FLORENCE 320 (116.1)
WASHINGTON JACKSONVILLE
S CAR I D A
CHARLESTON 119
RED 16
COLUMBIA
MOTBRIDGE
TO CHARLESTON
TO SPARTANBURG
TO RALEIGH
NORFOLK 97
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RADIO LEGS INDICATIVE "R" QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS. OF OPER., REMARKS
AYDLETTE FM (Navy)	(-)	FM; 64°, 14	Weeksville NAF
BOGUE MCAAF			DECOMMISSIONED
CAMP LE JEUNE OLF(New Riv.)	3295(142.74)	CN	3105.4495;142.74 (8-1630)
CHERRY POINT (Navy)	224 (NKT)	BMRLZ;141°,4.0	(3); 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN(GCA)	(3); 142.74 ,126.18
EDENTON FM (Navy)	(- - -)	FM; 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
MANTEO FM (Navy)	(- -)	FM; 139°,32	Weeksville NAF
NEW BERN FM (Navy)	(- - - -)	FM; 321°,13.6	Cherry Point MCAS
OAK GROVE MCAAF (Pollocksville)			DECOMMISSIONED
SOUTH MILLS FM (Navy)	(- - - -)	FM; 319°, 17.5	Weeksville NAF
WEEKSVILLE (Navy)	524(NFO)	BRL	(3);142.74(V- 7-19)
Weeksville NAF-LTA	3295 (142.74)	CN; 319°, 0.5	3105; 142.74 (8-1630)
[redacted]			
BLACKSTONE	326(KT)(116.1)	BMLZ-DTV;13[illegible]°,5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM; 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM; 276°, 16	Norfolk
LANGLEY FIELD (Army)	224(LFY)	SBMRAPZ-DTV;[illegible]02°,3.8	(3)
NORFOLK	239 (NW)(116.1)	SBMRLZ-DTV;[illegible]44°,3.3	(3);116.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ; 276°,[illegible]2.9	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs.
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h L S6	80,91 Oct. Flood lgts. T rees SE
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct.Fld lgts prior req.(Wilmington
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	CLOSED.
Burgaw	1.2 W,hwy N,S	30	22 S1	80 oct. Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jacksonville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS (N)	2.5 SW,riv N	29	76h R2 (L6)S6	100 oct.
Clinton	2 N, hwy W	160	24 S6	80 oct.Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
(CG) ELIZABETH CITY CGAS (CG)	3.5 SE,riv NE	10	72h R1 L6 S4	100 oct.
Franklin(Louisburg)	2 WSW;RR S	290	17 S2	80 oct. P-line SSE,Hill NNW.
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	See Pitt-Greenville under "New Airports"-name changed.			
Halifax Co.(Roanoke Rapids)	3 SW,	147	18 S2	80 oct. Trees ENE,NNW
Henderson	3 S,RR W	490	21 L S6	80,91 oct.Lgts prior req.Trees ESE, WNW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Jacksonville (NC)	3.7 NE,RR SE	51	14	
Kinston	4.2 NNW	93	50h	CLOSED
Mt. Olive	1.1 NE,RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Polloksville) (N)	2.5 NW,riv S	27	40h	INACTIVE.
Peiffer(Wilmington)	6 ESE,hwy N	10	18 S1	80 oct.Poleline NNE,trees N,S,SW.
→ ROCKY MOUNT	2.3 N,RR E	114	40h S6	80,91 oct.Use rnwys.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E.
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	CLOSED.
→ SIMMONS-KNOTT	2.5 SSE;hwy .5 E	19	40h L4 S1	80, 91 oct. (New Bern)Port flood on req.
Tarboro	2 ESE,riv NNW	50	30 S6	80,91 oct.Flood lgts.P-line NNE,NE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct. No sto.
★ Warrenton Int,46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	See Warren Arpt under "New Facilities" - name changed			
(N) Weeksville NAF(LTA)	2.2 NE	7	37h R2 L S4	80-100 oct.
(P) Wilson (N)	4.2 NW,hwy E	161	45h S6	80 oct.
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct.No sto.Pole line S, SW.Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S1	80 oct.

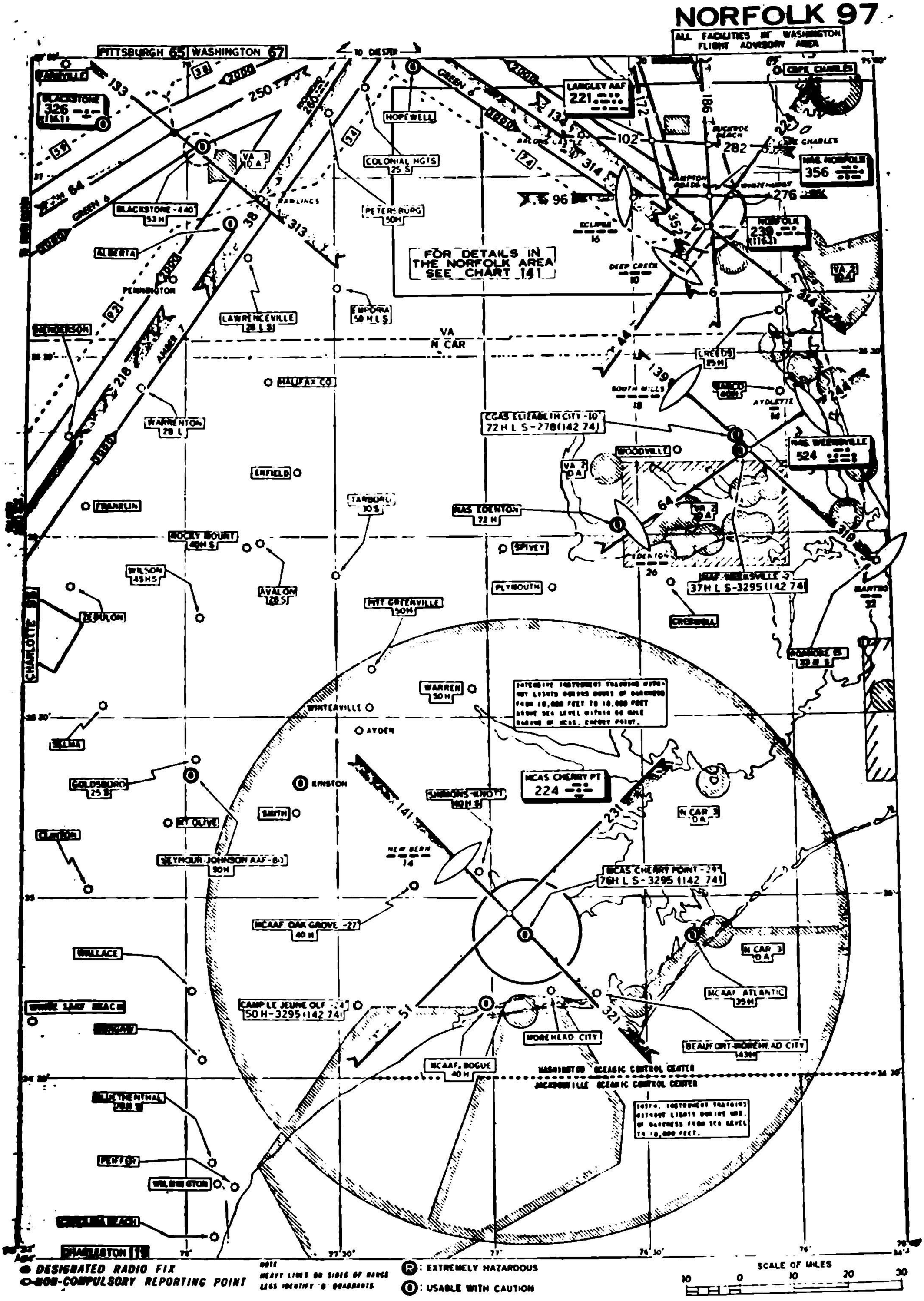
VIRGINIA

Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone	2.5 ESE,hwy N	440	53h R1 L5	Rnwy lgts on req.ARMY TEMP INACT;
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW. (NC) CIVIL FACS.
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
→ Creeds	1.5 E,bay E	10	25h	INACTIVE.
Emporia	3 E, hwy S	127	50h L5 S4	80,91 oct.
Hopewell	3.3 E,riv N	20	24 S6	91 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317	28 L3 S6	80,91 oct.
Petersburg	6.2 WSW,RR N	190	50h	
Scott (Williamsburg)	1.3 NNW,RR SW			ABANDONED
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29 S4	80,91 oct.20-60' trees NE,SW,W.(NC)

NEW AIRPORTS

Farmville	2.5 NW,riv N	325	20 S6	80 oct.Hill W.
(P)PITT-GREENVILLE → (Greenville,N.C.)	1.8 NNW;RRE	25	50h L5 S1	80,91 oct. Lgts prior req.
Cape Charles (Va)	1.8 E;RR S	15	22 S2	80 oct,NW blkd,House SSE.
Roanoke Isl.(Manteo,N.C.)	1.5 NW;rd NE	12	33h L5 S4	80,91 oct.Lgts on req.Data unver.
Morehead City,(N.C.)	5 WNW;RR N	15	23 S4	80 oct.No sto.All appchs blkd.
Piney Grove (Kinston,N.C.)	2.1 SSW;riv NE			ABANDONED.
Smith Fld (Kinston,N.C.)	3.7 SW;riv NW	40	26 S4	80 oct.P-line ENE
White Lake Beach,(N.C.)	0.2 NW;lake S	75	18 S1	80 oct.No sto.(White Lake)E,W blkd.
Wilmington Arpk (N.C.)	3 SE;hwys N	20	27 S4	80 oct,N & E blocked.
(P) Warren (Washington, N.C.)	1.8 N,hwy W	38	50h	
[illegible]nfield (N.C.)	1.8 E	113	15 S2	80 oct.P-line SSW. Trees NNE,SSW.
Creswell (N.C.)	0.5 N;RR S	15	19 S2	80 oct.S,SE blocked
Winterville (N.C.)	0.5 E;RR W	25	12 S1	80 oct.NW blocked.
Woodville (N.C.)	1.5 W;hwy S	15	20 S6	80 oct.S blocked.
Ayden (N.C.)	0.7 SSW;RR E	25	20 S1	80 oct.ESE blocked
Thalia(Va.Beach,Va)	8 W;hwy 58	12	23 S1	80 oct.NE blkd.Trees SW
Roosevelt(Portsmouth,Va)	4.2 W;RR S	15	33 S6	80 oct Tree SE.P-line NW
Portsmouth (Va)	7.8 WSW;RR S	20	35 S1	80 oct.Trees sur fld.Soft when wet.
Pennington(Brodnox,Va)	1.2 NWhwy NNE	325	21	NNE blkd.
Peanut City(Suffolk,Va)	2.8 N;hwys SE	40	25 S2	80 oct.SSW blkd.Trees NNE
Norview(Norfolk,Va)	4.5 NNE	16	24 S6	80 oct. P-line S.

NORFOLK 97


ALL FACILITIES BY WASHINGTON FLIGHT ADVISORY AREA
PITTSBURGH 65
WASHINGTON 67
ASHEVILLE
BLACKSTONE 326
BLACKSTONE - 440
53 H
ALBERTA
PETERSBURG
50 H
HOPEWELL
COLONIAL HGTS
25 S
LANGLEY AAF
221
CAPE CHARLES
VIRGINIA BEACH
282
NAS NORFOLK
356
NORFOLK
239
FOR DETAILS IN THE NORFOLK AREA SEE CHART 141
ECLIPSE
16
DEEP CREEK
10
PEMBROKE
LAWRENCEVILLE
28 L S
EMPORIA
50 H L S
HENDERSON
VA
N CAR
HALIFAX CO
WARRENTON
28 L
ENFIELD
FRANKLIN
TARBORO
30 S
ROCKY MOUNT
40 H S
WILSON
45 H S
AVALON
28 S
EDENTON
PLYMOUTH
HWY GREENVILLE
30 H
CHARLOTTE
SELMA
GOLDSBORO
25 S
KINSTON
SMITH
MT OLIVE
CLINTON
SEYMOUR JOHNSON AAF - (B-)
90 H
WALLACE
WHITE LAKE BEACH
ELIZABETHTOWN
CHARLESTON
WINTERVILLE
AYDEN
WARREN
50 H
CGAS ELIZABETH CITY - 10
72 H L S - 278 (142 74)
NAS EDENTON
72 H
WOODVILLE
VA
DA
CREEDS
25 H
SOUTH MILLS
18
AYDLETTE
NAS GREENVILLE
524
GREENVILLE
37 H L S - 3295 (142 74)
CROSWELL
NEW BERN
14
MCAAF OAK GROVE - 27
40 H
CAMP LEJEUNE OLF - 24
50 H - 3295 (142 74)
MCAS CHERRY PT
224
SUMMERS-KINO FT
40 H S
MCAS CHERRY POINT - 24
76 H L S - 3295 (142 74)
N CAR
MCAAF ATLANTIC
39 H
MOREHEAD CITY
BEAUFORT-MOREHEAD CITY
143 H
MCAAF, BOGUE
40 H
WASHINGTON OCEANIC CONTROL CENTER
JACKSONVILLE OCEANIC CONTROL CENTER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'B' BOUNDARIES
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

LOS ANGELES

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BANNING FM	(-)	FM, 76°, 25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°, 41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (Int.)	365(DG)(116.1,	SBRAZ-VDT, 149°, 0	(4); 116.1, 122.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°, 16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°, 42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, 118.3)	AC	(4); 126.18, 118.3, 122.5
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV 298°, 3.9	(3); 116.1, 122.1
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV 244°, 3.9	(3): 116.1, 122.1
LOS ANGELES	109.1(LA)	BVAR; 88°, 2.0	
MARCH FIELD (Riverside)	201 (126.18)+	CA 349°, 9	(3); 126.18
MIRAMAR NAAS (San Diego)	239(142.74)	CN(GCA)	(3); 142.74
MOJAVE NAS	3295(126.18, 142.74)		DECOMMISSIONED
MT. LAGUNA	382(TN)(116.1)	BHTV	(4); 116.1(Cont)
MUROC (Army)	350(DUC)	BMRL	
Muroc AAF	219 (126.18)	CA; 64°, 2.2	(3); 126.18
NEWHALL (Int.)		SBMRL-DTV, 317°, 0.1	(4); 116.1, 122.1
OCEANSIDE	326(OC)(116.1)	BHTV	(4); 116.1(Cont)
OCEANSIDE FM	(- - - -)	FM, 325°, 34	San Diego
PALMDALE	332(PA)(116.1)	SBMRAZ-DTV, 216°, 2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105; 142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Field)	388(RV)(vhf),	SBMRAZ-DTV, 128°, 2.9	(4); 116.1, 122.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
SAN CLEMENTE ISLAND OLF.			DECOMMISSIONED
SAN DIEGO (Lindbergh Field)	224(SQ)(vhf)	SBRAZ-DTV, 139°, 2.3	(3); 116.1, 122.1
San Diego NAS	266 (142.74)	CN	(3); 126.18, 142.74. Twr call 'No. Island'
San Diego NAS (Seaplane)	2870	CN	2870
TRONA (Int.)			DECOMMISSIONED
VICTORVILLE AAF	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.

+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S, hwy E	2470	27 S6	80 oct. P-line E.
Arlington (Riverside)	4.5 WSW, RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE, RR N	2190	52h L5 S6	80, 91 oct. Poles W.
Barnes (Rosamond)	12 E, rd N	2300	38	(NC) [prior req. Poles N
Barstow	1.8 N, hwy S	2150	28 S4	80, 91 oct. Range lgts
Big Bear City	0.5 NW, hwy S	6850	37 S1	80 oct. Trees E, hills W.
Borderland (San Ysidro)	1.5 WNW, RR W	80	18 S6	80, 91 oct. No sto. Pole line SE.
Boron	0.5 NE, RR S	2550	21 S1	80 oct. Poles E. Data unver

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted). → NEW OR REVISED DATA

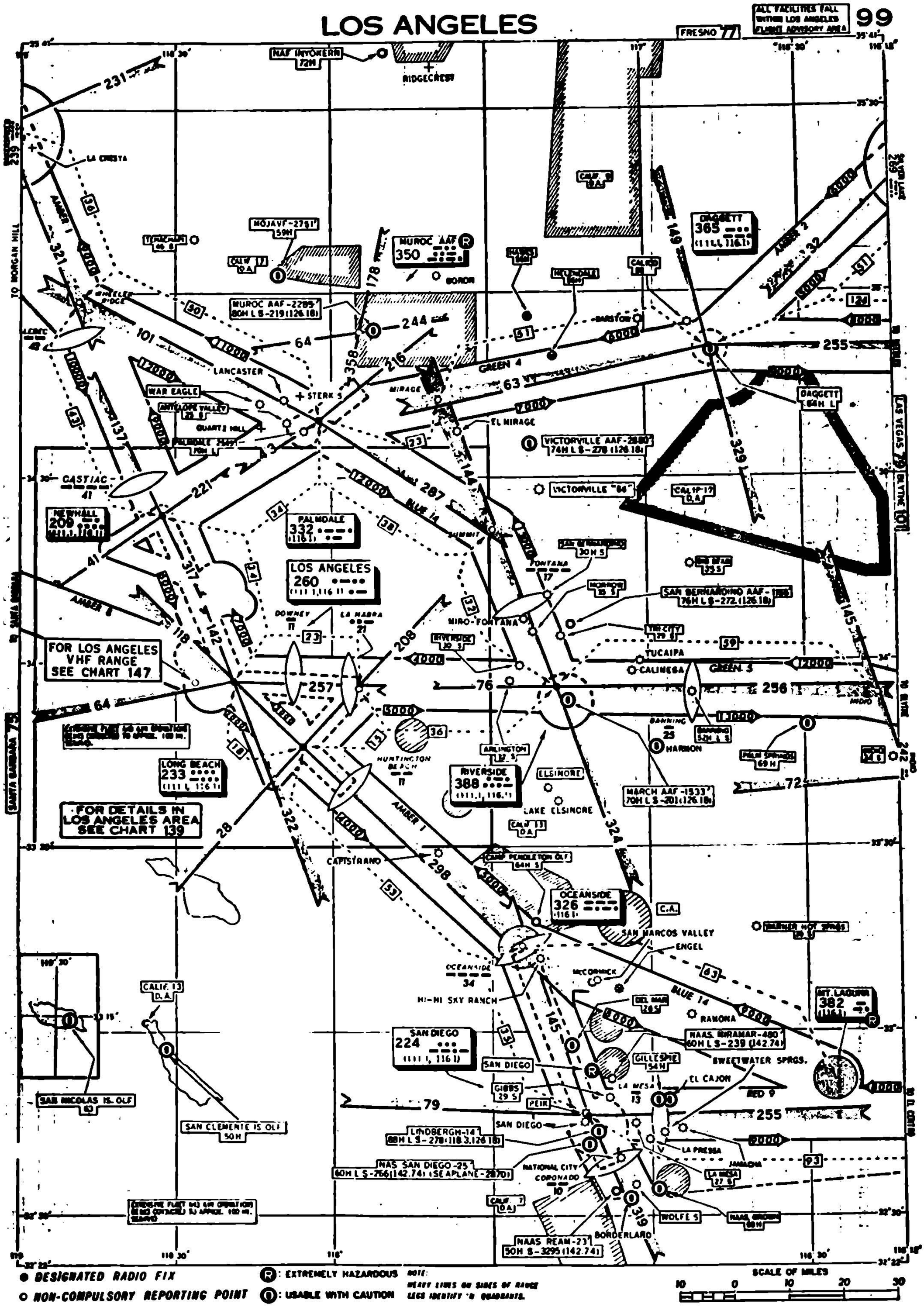
CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Brown NAAS (Otay) (N)	5.5 ESE	523	60h	CLOSED
Buffalo Springs (Avalon) (NC)	See Catalina Arpt under "New Facilities" - name changed			
Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
(N) Camp Pendleton OLF (Oceanside) (N)	6 NNE, RR SE	75	64h L S1	
(N) Castle OLF (San Clemente Island) (N)	On NW end San Clemente Isl.	163	20	(NC)
(N) Clark's Dry Lake OLF (Salton Sea) (N)	25 W of ctr.	450	50	On W portion Dry Lake. (NC)
Del Mar	1.1 NNE	11	26 S1	80, 91 oct. 1000' paved rnwy. Data unver.
El Cajon	2.5 N, hwy W	450	23 S6	80, 91 oct. No sto.
Elsinore	1 SSE, RR N	1256	26 S4	80 oct. No sto. Hills NW.
Engel (Escondido)	1.5 W, RR N	630	19	CLOSED. Trees SE, hill NW.
Gibbs (San Diego)	7 NNE, hwy W	405	29 S6	80, 91 oct. Poles E.
Gillespie (El Cajon)	2 NNW; rd E	385	54h	Towers W. (Santee)
Harmon (San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto. INACT
(A) Hawes (Victorville) (A)	27.5 N, RR N	2319	56h	CLOSED
Hi Hi Sky Ranch (Oceanside)	1.5 ENE, RR S	48	18 S6	80, 91 oct. No sto. Trees SW.
(A) Helendale (Victorv'l)	20 N	2508	56h	(A) CLOSED
Indio	0.8 NNE, RR SW	-12	34 S4	80 oct. No sto. Pwr line W
(N) Inyokern NAF (N)	0.5 WNW, RR E	2455	72h	NATS
Jamacha (La Mesa)	6.8 ESE, riv N	520	18 S6	80, 91 oct. Hills E.
La Cresta (Bakersfield)	2.5 NE; riv N	660	36h L S6	80, 91 oct. Data unver. Flare pots prior req.
Lake Elsinore (Elsinore)	4 SSE, lk W	1252	15 S4	80 oct. No sto.
Lakeside				ABANDONED.
La Mesa	2 WSW, hwy N	500	27 S4	80 oct. Pole line SSE.
Lancaster	0.5 NW, RR E	2330	22 S4	73 oct. No sto. Poles E, S
La Pressa (La Mesa)	4 S, hwy W	275	19 S4	80 oct.
Liberty (Rosamond)	4.1 S, RR E			ABANDONED.
LINDBERGH (San Diego)	2 W	14	88h R2 L5 S6	80, 91 oct. ARPT OF ENTRY.
(A) March (Riverside) (A)	8.8 SE, RR SSW	1533	70h R2 L5 S6	62, 73, 91, 100 oct. JP-1. FOREIGN CLEAR STN
McCormick (San Marcos)	1.5 WSW, RR N	550	21 S6	80, 91 oct. Poles E.
(A) Mirage (Victorville) (A)	See El Mirage under "New Arpts" - name changed.			
(N) Miramar NAAS (San Diego) (N)	9.5 N	480	60h R1(L6)S4	91, 100 oct. No bcn.
(N) Miramar OLF (San Diego) (N)(NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N) (NAS)	0.7 E, hwy W	2751	59h	CLOSED
Morrow (Rialto)	1.8 S, awys S	1100	32 S6	80, 91 oct. P-line E, W.
(A) Muroc AAF (A)	2 S, dry lake N	2285	80h R2 L5 S6	73, 100 oct. JP-1. No sto.
National City	1.1 SSE, RR W	10	22 S4	80 oct. Poles, stack NW.
(P) Palmdale	3 NE, RR W	2549	70h R1 L5 S2	91, 100 oct.
(P) PALM SPRINGS	2.5 E, RR NE	448	69h L5 S6	80, 91, 100 oct.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct. No sto. Twr SE.
Quartz Hill (Lancaster)	5.5 SW	2450	29 L S5	80, 91 oct. Port rnwy lgts. Data unver.
Randsburg (NC)	1.8 NE, rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W	23	50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N)(NC)	6 N, RR W	400	15	
San Bernardino	4.7 NNW, RR 1.5 W	1425	30 L S6	80, 91 oct. Port lgts prior req.
(A) San Bernardino AAF (A)	3.5 ESE, RR SW	1156	76h R1 L5 S6	62, 73, 91, 100 oct, JP-1
San Bernardino Co. (Daggett)	See Dagett Int, 13 under "New Airports" - name changed.			
(N) San Clemente Island OLF (N)	8 S of N end	926	50h	CLOSED.
San Diego	5 NW, bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1(L6)S6	91, 100 oct. NATS
San Marcos Valley (San Marcos)	1 W; hwy, RR N	530	19 S4	80 oct. No sto. Hill NE Pwr line E

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) San Nicolas Island OLF (N)	On E end Isl.	502	63	INACTIVE.
Sweetwater Springs Airanch (La Mesa)	4.2 SE, hwy N	475	22 S1	80, 91 oct. Fence E.
Tehachapi	1 N, RR S	3952	45 L S2	73, 91 oct. Range lgts. Pole line SE.
→ Tri-City (San Bernardino)	3.3 SSE, RR S	1015	29 L S6	91, 80 oct. Range, obst lgts til 2300 or prior req. P-line E, SE, W, NW.
(A) Victorville AAF (A)	6 NW, RR E	2875	74h R1 L5 S5	100 oct.
→ Victorville "66"	5.2 SSW; hwy W	3225	26 S1	80 oct. P-line W.
War Eagle (Lancaster)	5 W, hwy N	2348	31	
Warner Hot Springs	3 W, hwy NE	3140	35 S1	Ltd 80 oct. Trees E, S
Wolfe's Arpk (Otay)	1.2 SE, RR W	220	30 S1	80, 91 oct. Hills SE.
NEW AIRPORTS				
Sterk's Ranch (Lancaster)	2.5 ENE		30 S1	80 oct. Data unver.
(N) Ramona	3 SW	1440	40h	
Sweetwater OLF (San Diego)	7.4 E	480	30h	
→ Capistrano Awys (San Juan Capistrano, Calif)	1.5 SSW; RR E	35	18 S4	80 oct. Pnwy data unver. Data unver.
Ridgecrest (Calif.)	0.3 S	2300	40 L S4	80, 91 oct. P-line E, NE.
Daggett Int, 13 LA-AC (Calif)	5 E; RR S	1927	64h R1 L3	
(P) El Mirage (Adelanto, Calif)	11 WNW; lake .5 N	2865	39h S5	80, 91 oct.
Miro-Fontana (Rialto, Calif.)	1.5 NW; creek N	1400	24 S1	80 oct. T-line NE
(P) Los Angeles (Calif)	9.5 SW; RR E	101	60h R3 L6 S6	91, 100 oct. Rdo rqrd. Rnwy data unver.
→ Calimesa (Calif)	2.5 SSW; RR 1SW	2250	19 S6	80, 91 oct. P-line E.
→ Yucaipa (Calif)	2.5 SSE	2850	17 S1	80 oct. Reservoir S. Priv

LOS ANGELES


99
ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA
FRESNO 77
NAF INYOKERN 72H
RIDGECREST
231
LA CRESTA
AMBER 1
30
MOJAVE-2751' 59H
MUROC AAF 350
BORON
178
MUROC AAF-2285' 80H L S-219 (126.18)
244
64
101
LANCASTER
1000
358
216
STERK
MIRAGE
GREEN 4
63
51
6000
255
DAGGETT 365
(111, 116.1)
CALIF 17 O.A.
149
AMBER 2
32
57
124
TO MORGAN HILL
LEMOORE 48
WAR EAGLE
ANTELOPE VALLEY 22 S
QUARTZ HILL
PALMDALE 2517' 70H L
43
137
3
144
EL MIRAGE
VICTORVILLE AAF-2858' 74H L S-278 (126.18)
329
DAGGETT 64H L
LAS VEGAS 79
BLYTHE 101
CASTIAC 41
NEWHALL 209
(111.1, 116.1)
221
287
PALMDALE 332
(116.1)
LOS ANGELES 260
(111.1, 116.1)
VICTORVILLE "64"
CALIF 17 O.A.
41
AMBER 1
317
142
118
DOWNEY 11
LA HABRA 21
208
MIRO-FONTANA
FONTANA 17
SAN BERNARDINO AAF-1158' 76H L S-272 (126.18)
TRI-CITY 29 S
59
TUCAIPA
CALIMESA
GREEN 3
256
FOR LOS ANGELES VHF RANGE SEE CHART 147
257
76
64
36
ARLINGTON 12 S
HUNTINGTON BEACH 11
RIVERSIDE 388
(111.1, 116.1)
ELSINORE
LAKE ELSINORE
HARRON 25
BANNING
PALM SPRINGS 69 H
242
72
LONG BEACH 233
(111.1, 116.1)
FOR DETAILS IN LOS ANGELES AREA SEE CHART 139
28
322
AMBER 1
CAPISTRANO
298
324
MARCH AAF-1533' 70H L S-201 (126.18)
CAMP PENDLETON O.F. 64H S
OCEANSIDE 326
(116.1)
C.A.
SAN MARCOS VALLEY
ENGEL
SAUNER HOT SPRGS.
OCEANSIDE 34
MI-MI SKY RANCH
MCCORMICK
63
BLUE 14
DEL MAR 28 S
MT. LAGUNA 382
(116.1)
SAN NICOLAS IS. OLF 63
SAN CLEMENTE IS OLF 50H
SAN DIEGO 224
(111.1, 116.1)
GIBBS 29 S
PEIK
GILLESPIE 34 H
RAMONA
NAAS MIRAMAR-480' 60H L S-239 (142.74)
SWEETWATER SPRGS.
EL CAJON
RED 9
LA MESA 13
79
255
LINDBERGH-14' 69H L S-278 (118.3, 126.18)
NAS SAN DIEGO-25' 60H L S-266 (142.74) (SEAPLANE-2870')
LA PRESA
JAMACHA
93
NATIONAL CITY
CORONADO 10
LA MESA 27 S
CALIF 7 O.A.
319
WOLFE S
NAAS BORREGO 68H
BORDERLAND
NAAS REAM-23' 50H S-3295 (142.74)
SANTA BARBARA 79
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
Ⓡ: EXTREMELY HAZARDOUS
Ⓓ: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'A' QUADRANTS.

BLYTHE

NAVAIDS

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-DTV,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA (Yuma Co.)	230(UP)(vhf)	SBMRAZ-DTV,165°,5.8	(4);116.1,122.1

CALIFORNIA

BLYTHE (AAF)	251(YH)(vhf)	SBMRAZ-DTV,268°,4.1	(4);116.1,122.1
EL CENTRO	212(MB)(116.1)	SBMRLZ-DTV	(4); 116.1
El Centro NAS	317 (142.74)	CN, 320°, 3.7	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	242(IN)(116.1)	BMRLZ-DTV	(4); 116.1
→ MT. LAGUNA	382(TN)(116.1)	BHTV	(4); 116.1(Cont)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aguila	1.5 NNW			ABANDONED.
(A) Ajo AAF (A)	5 N;RR NE	1434	64h	CLOSED
Conner (Quartzsite)	See Quartzsite under "New Airports" - name changed.			
(A) Datelan AAF	4 W Aztec	450	66h	TMP INACT NO FACS
Echevarria (Wickenburg)	See Wickenburg under "New Airports" - name changed.			
(A) Gila Bend AAF (A)	4 S,hwy W	858	62h R1 L5	TEMP INACT. NO FACS
(A) Gila Bend #4 (A)	18 SSW	1000	37h	TEMP INACT. NO FACS
(A) Gila Bend #5 (A)	15.3 SW	800	37h	TEMP INACT. NO FACS
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	TEMP INACT. NO FACS
(A) Laguna Landing (A) Strip (Laguna)	6.5 NE	500	50h	
Marsh (Yuma)	0.7 E,RR W	130	40 S6	80 oct.
Parker	1.4 ENE;RR .5 W	430	32 S6	80 oct.
Salome (NC)	0.7 S;RR NW	1876	45 S1	80 oct. Poles NW.
Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi. E, 3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,RR W	2000	24 S1	80 oct. Hills N
Smiley (Wellton)	13 E,RR S			ABANDONED.
Somerton	3 ENE;canal W	254	26 S4	80 oct. No sto.
★ Tonopah Int,31, LA-PH	5 NNE Wintersburg			ABANDONED.
Wellton	0.5 NW,RR S	225	24 S6	80,91 oct.

CALIFORNIA

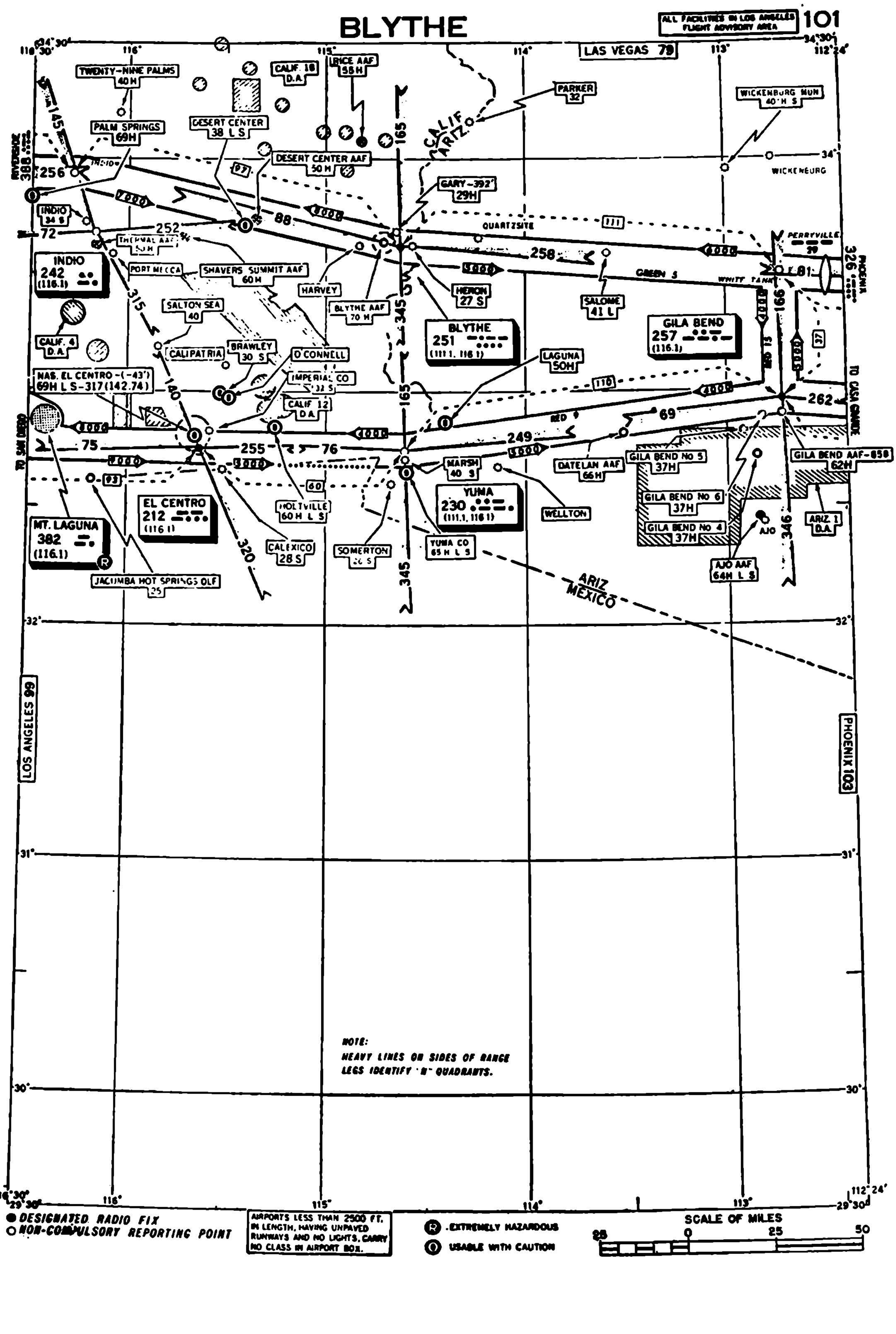
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe AAF (A)	7 W,hwy S	397	70h R1	CLOSED
(N) Borego Hotel OLF Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
Brawley	1.3 NE,RR W	-120	30 S6	80 oct. Poles SE,E. ARPT OF
Calexico	1.2 W,riv N	0	28 S6	80,91 oct. Data unver. ENTRY.
Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto. 35' poles all zones.
(N) Clark's Dry Lake OLF (N) (NC)	25 W of center Salton Sea	450	50	On W portion Dry Lake.
(N) Coyote Wells OLF -North (N) (NC)	21 NW El Centro	300	26	CLOSED
(N) Coyote Wells OLF -South (N) (NC)	21 WSW El Centro	300	25	
(A) Desert Center	2.5 NE,rd NW	555	50h	AAF(A) CLOSED
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck) other hrs prior req.
(N) EL CENTRO NAS (N)	7 WNW,RR S	-43	69h R2 L5 S4	80,100 oct. Avail 0700 to 1800,
Gary (Blythe)	5 NNW,RR N	392	29h	CLOSED.
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct. No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S4	80,91 oct. Poles N. only.
Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct. Poles SE. No bcn. Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct. No sto. Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF (Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		24 S6	80 oct. N/S taxing only! Rnwy data unver.
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
(A) Shavers Summit (Indio) AAF (A)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W CLOSED
(A) Thermal AAF (A)	1.8 SW,hwy W	-117	50h	CLOSED
Twentynine Palms	4.8 N	1768	40h	

NEW AIRPORTS

(P) Yuma Co. (Ariz)	4.5 SSE,RR N	213	65h R1 L2S4	80,91 oct. Bndry lgts prior req.
Wickenburg Mun. (Ariz.)	14.8 WSW;RR N	2380	45 S2	80,91 oct.
Ajo (Ariz)	5 NE;rd,RR W	1490	40 S4	80 oct. Rough in spots.
Quartzsite (Ariz.)	0.3 SSW,hwy E	850	38	Trees N,W. N/S strip hazardous

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data.

BLYTHE


ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA
101
LAS VEGAS 79
TWENTY-NINE PALMS 40 H
CALIF 18 D.A.
BRICE AAF 58 H
PARKER 32
WICKENBURG MUN 40 H S
PALM SPRINGS 69H
DESERT CENTER 38 L S
DESERT CENTER AAF 50 H
CALIF ARIZ
GARY-392' 29H
INDIO 34 S
INDIO 242 (116.1)
THERMAL AAF 50 H
PORT MECCA
SHAVERS SUMMIT AAF 60 H
HARVEY
BLYTHE AAF 70 H
HERON 27 S
SALOME 41 L
BLYTHE 251 (111.1, 116.1)
GILA BEND 257 (116.1)
QUARTZSITE
WICKENBURG
PERRYVILLE 39
WHITE TANK
GREEN S
SALTON SEA 40
CALIF. 4 D.A.
CALIPATRIA
BRAWLEY 30 S
D'CONNELL
IMPERIAL CO 32 S
LAGUNA 50H
NAS. EL CENTRO -(-43') 69H L S-317(142.74)
CALIF 12 D.A.
RED
GILA BEND NO 5 37H
GILA BEND NO 6 37H
GILA BEND NO 4 37H
GILA BEND AAF-858 62H
DATELAN AAF 66H
MARSH 40 S
WELLTON
YUMA 230 (111.1, 116.1)
YUMA CO 65 H L S
AJO
AJO AAF 64H L S
ARIZ 1 D.A.
EL CENTRO 212 (116.1)
HOLTVILLE 60 H L S
CALEXICO 28 S
SOMERTON
MT. LAGUNA 382 (116.1)
JACUMBA HOT SPRINGS OLF 25
ARIZ
MEXICO
TO CASA GRANDE
LOS ANGELES 99
PHOENIX 103
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
R .EXTREMELY HAZARDOUS
U USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

RADIO AIDS

ARIZONA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
➸ COCHISE (Int.)	272(CJ)(vhf)	SBMRAZ-DTV,253°,2.2	(4);116.1,122.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)+	C	(4);116.1,126.18,118.3,122.5
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3); 142.74 (0730 to sunset)
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-DTV,261°,1.9	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 122.5
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-DTV;307°,3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18

NEW MEXICO

➸ RODEO (Int.)	254(RH)(116.1)	BMRLZ-DTV,24°,0	(4); 116.1,122.1

S-Simul Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105. 4495. 6210 kcs. (4) 3105. 4495. 6210. 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S. transmits on and guards 116 1. 137.88. 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW;hwy N	1050	24 S6	80 oct.Rough
Bisbee	6.4 SSE,RR W	4750	43 L S6	80 oct;91 oct on req. Poles W. Port rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Morenci (Clifton)	8.7 SSE,hwy W	3800	53 S2	80 oct.
★ Cochise Int,T-3,PH-EO	6 S.	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S;hwy W,S.	1450	32 S1	80 oct,P-line NW.
(A) Coolidge AAF (A)	6 SE	1587	55h	CLOSED
Coolidge Flying Field	1.5 WSW	1450	27 S4	80,91 oct.P-line NE,WRR L5 S6
Cutter (Globe)	6.8 ESE,RR N	3150	37 S6	80,91 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	4.2 SE;RR S	2692	80h R2 L5 S6	80,100 oct.P-line S.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	CLOSED Twrs E
Duncan	1 NE	3650	36 S2	80 oct.Poles WSW.
➸ Falcon (Mesa)	7.3 NE;riv 2 N	1332	31h S4	80,91 oct.
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	CLOSED.
(P) Ft.Apache (White River)	2.6 SSW,riv S	5109	34 S2	80 oct. P-line N,NE
(A) Ft. Huachuca (A)	3.5 E;RR NW	4635	52	
Gilpin (Tucson)	4.2 NW,RR W	2200	56 L5 S6	80,91 oct,No flood. Fld lgts prior
Hayden	1.2 S,hwy E	1910	24	Obst sur fld. req.
(A) Hereford AAF(A)	2.5 WSW,rd N	4347	68h	Twr SE. CLOSED
INTERNATIONAL (Douglas)	3.3 E.	4181	43 L4 S4	80 oct.Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW;hwy E	3100	35	PRIVATE.
Litchfield (Litchfield Park)(NC)	0.5 NW;city SE	1062	37	PRIVATE.
(N) Litchfield Park NAF (N)	4.8 S;RR S	968	60h R1 S1	100 oct.
(NG) Lake Pheonix) (NG)	18 WNW	1106	45h S4	100 oct,2nd ech. maint NG.
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	CLOSED.
(A) Marana AAF (A)	6 NW;riv 1 W	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W
Mesa Airpark	1.4 W;hwy S	1238	27 S6	80,91 oct.No sto.P-line E.
Nogales Central	3 N,RR E	3600	25 S6	80,91 oct.P-line ESE.

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Nogales International	8 NE;hwy NW	3938	60h L5 S4	80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35 S1	80 oct.
Paradise (Phoenix)	6 NNW,canal S	1256	26 S4	80,91 oct. Trees S
Phoenix Airhaven	See Airhaven under "New Airports" - name changed.			
* Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	31 L3	P-line NE.
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
Safford Mun	4.5 ENE;riv 2 S	3176	48h L5 S4	80,91 oct. Fld lgts prior req.
Sahuarita Flight Strip	2.2 E.	2758	54h	
(P) Sells (NC)	2 NW,rd E	2380	24	
Silverbell (Tucson)	11.2 NW;riv NE	2100	21	
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	91, 100 oct. Fld lgts prior req
Superior (NC)	2 WSW,hwy N	2600	19 S4	73,80 oct. P-line NNE. Slopes
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W. WSW
Three Point (Casa Grande)(NC)	1.5 NNW;hwy E	1400	37 S4	80 oct,P-line NE,SW.
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1600	40	
Toltec	0.4 NNW;RR SW	1500	25	Poles SSW,WSW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	25 S6	80 oct,P-line NW.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct. Slopes to SSE,P-line
Wickersham (Safford)	See Safford under "New Facilities" - name changed.			S,SE
Willcox (NC)	0.9 WNW,hwy E			ABANDONED.
(A) Williams (Chandler) (A)	10 E;RR 1 SW	1360	51h R1 L5 S6	73, 91, 100 oct. JP-1.

NEW MEXICO

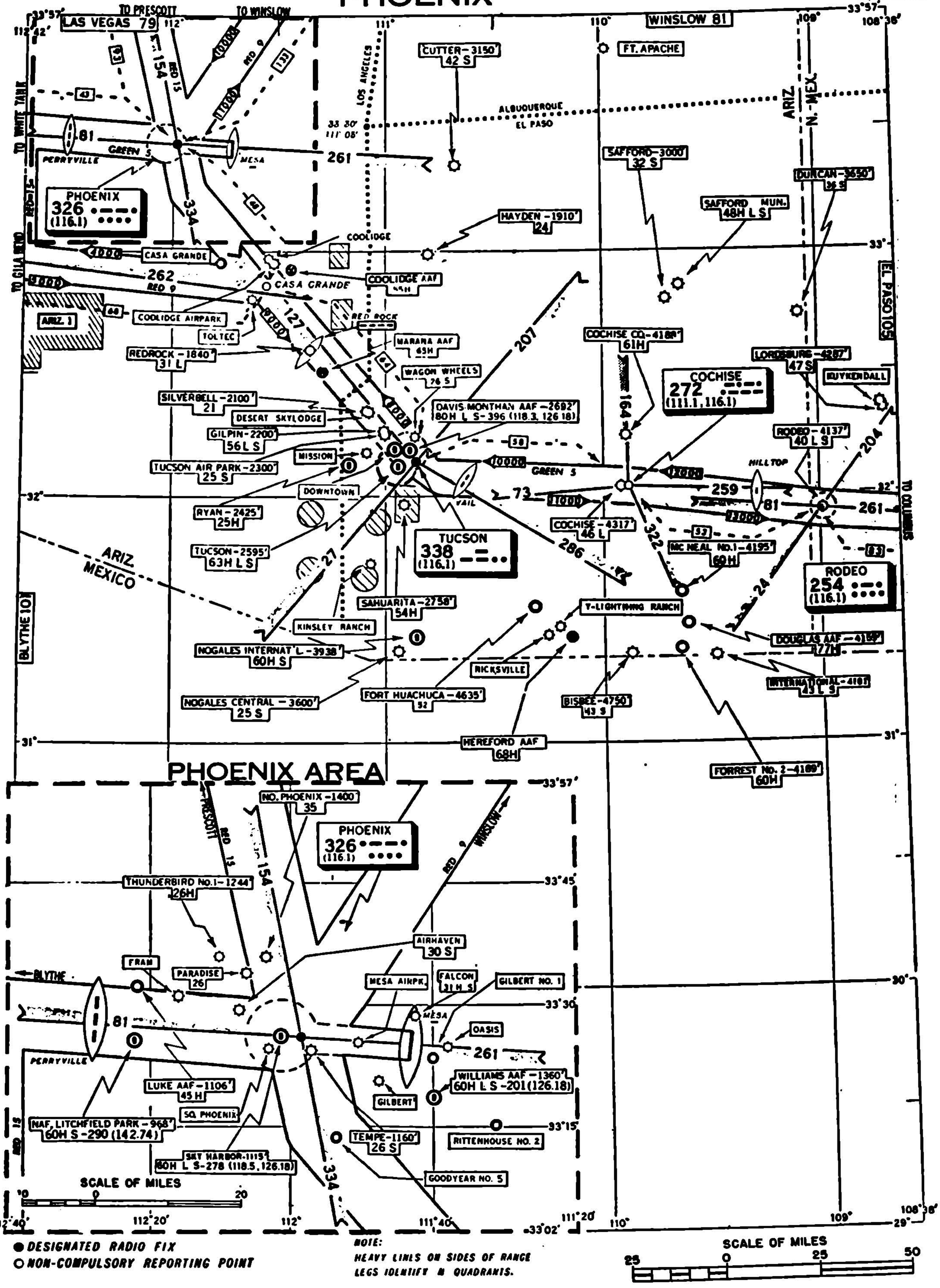
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
★ Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.

NEW AIRPORTS

# Downtown (Tucson,Ariz.)	1.4 S;RR SW	2400	42 L S6	80,91 oct.P-line N,S,NW.Port bndry lgts.
Nicksville (Hereford,Ariz.)	9 W;hwy W	4750	32 S4	80 oct. Poles SW.
Y-Lighting Ranch (Hereford,Ariz.)	6 WNW;rd W	4400	26	
Gilbert (Ariz)	0.7 SSW	1200	16 S1	80 oct.P-line E,fence W.
Airhaven (Phoenix,Ariz)	3.9 WNW;RR SW	1150	30 S4	80 oct.No sto.Poles SW,NE.
Gram (Glendale,Ariz)	See Fram below - name changed.			
Oasis (Mesa,Ariz)	11.5 E;hwy N	1550	18 S4	80 oct.No sto.Trees NE,SW
South Phoenix, (Ariz)	3 SSE;riv N	1100	26 S6	80 oct.No sto.P-line E,W
Mission Arpk (Tucson,Ariz)	8.3 WSW;rd S	2665	22 S6	80 oct Poles W
(P) Safford (Ariz.)	2.5 S;hwy W	3000	37 S6	80,91 oct. Poles S,SE.
Desert Skylodge (Tucson,Ariz.)	10 NNW;RR NW	2025	32 S6	80,91 oct.Poles NW,WNW.
Fram (Glendale,Ariz)	5 W;rd E	1060	21 S6	80 oct,Poles E,W,E end hazardous
Benson (Ariz)	2 ESE;RR,hwy N	3500	42 S4	80 oct.P-line N,ENE.
➸ Casa Grande Aux #4 (Ariz)	5.2 NNW;hwy E	1430	37h	
➸ Gilbert Aux #1 (Ariz)	7.5 ENE	1400	40h	
➸ Goodyear Aux #5 (Ariz)	2.6 WSW	1175	55h	
➸ Rittenhouse Aux #2 (Ariz)	6.3 NE	1550	37	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). ➸ NEW OR REVISED DATA.

PHOENIX



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

EL PASO

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMOGORDO Army Range	221 (DGR)	167°,6.5	BMRLZ	(3); 4220; 126.18
ALAMOGORDO AAF Tower	272 (126.18)		CA	(3); 126.18 maint.(A)
(A) Alamogordo AAF (N.M.)	8.5 SW;hwy S	4092	84h L5 S4	73, 100 oct.3rd ech
Alamogordo (N.M.)	2.4 N;bet RRs	4320	29 S6	80 oct.P-line SE,NW.
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED. SSE,SSW.
(P) Artesia Mun. (N.M.)	4.2 W;rd S	3550	69h L5 S1	73-91 oct.
B&B Fly.Svc.(Roswell,N.M)	2 S;RR E	3600	32 S2	80 oct P-line W.
BIGGS Tower (Texas)	396 (126.18)+		CA (ILS-W)	(3); 126.18
(A) Biggs (El Paso,Tex)(A)	6 NE;RR W	3937	96h L5 S6	73,100 oct;JP-1.
Bowie (Ariz)	1.9 W;RR N	3800	20	P-line NE,W.
CARLSBAD Range (N.M)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) Carlsbad,mun. (N.M.)	6.1 SSW;hwy SE	3276	67h L5 S6	73-91 oct.No flood.Fld lgts on req.Rnwy data unver.
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Carrizozo (N.M.)	0.6 N;hwy S,E	5420	33 S2	80 oct.P-line WSW.
Clifton-Greenlee Co.	8.7 SSE;hwy W	3800	35	(Clifton, Ariz)
COLUMBUS Range (N.M)(Int)	284(KS)(116.1)	262°,1.9	SBMRAZ-DTV	(4); 116.1, 122.1
★ Columbus Int,34,PH-EO	0.6 ESE;hwy N	4024	42 L3 S1	80 oct. (N.M.)
(P) Culberson Co.(Van Horn)	3.5 ENE;RR S	3955	60h	(Texas)
★ Delaware Springs Int.,11, EO-FV (Texas)	16.8 E of Pine Springs	3955	40 L3 S1	91 oct. P-line SSE.
(A) Deming AAF (A) (N.M)	2 ESE;hwy W	4314	81h	CLOSED.
Deming Arpk (N.M.)	6 WSW;RR N	4300	31 S4	73 oct. No sto.
(A) Deming (South)(N.M.)(A)	19.5 SSW	4240	60h	CLOSED.
(A) Deming (Center)(N.M.)(A)	11.5 W;hwy S	4440	60h	CLOSED.
(A) Douglas AAF (Ariz)(A)	8.5 NNW	4159	77h	CLOSED Twrs E.
Duncan (Ariz)	1 NE;race track W	3650	36	P-line W.
EL PASO Range (Anderson) (Tex)	242(EO)(116.1)	257°,4.9	SBRAZ-DTV	(3); 116.1, 122.1
EL PASO Tower (Tex)	See Anderson under "New Facilities" - name changed.			
[El Paso Mun.](Tex)	See Anderson under "New Facilities" - name changed.			
ENGLE Range (N.M.)(Int.)	344(EX)(116.1)	176°,2.9	SBRAZ-DTV	(4); 116.1
★ Engle Int,10,EO-PU(N.M.)	2.6 E;hwy N	4853	45 L3	
(A) Forrest #2 (Douglas,Ariz)	6.4 WNW	4189	60h	CLOSED(A)
Fort Hancock (Tex)	0.7 SE;RR N			ABANDONED
GUADALUPE PASS (Tex)	(116.1)		VP	(4);116.1,122.1
★ Hachita Int,29B,PH-EO	0.8 W;RR N	4498	38 L3	P-line N. (N.M.)
Hot Springs (N.M.)	7.4 N;hwy E	4750	75 S4	80 oct.Rnwy data unver
Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	(Texas)
Hurley (N.M.)	0.8 W;RR E	5748	33 S4	73 oct. No sto.
[International](Douglas, Ariz)	3.3 E;hwy N	4181	43 L4 S4	80,91 oct.Fld lgts prior req.ARPT OF ENTRY
John J.Small (Carlsbad)	3.5 SSE;RR NE	3150	27 S1	73 oct. (N.M.)
Jundt (Strauss, N.M.)	8.8 ESE;hwy NE	3709	32 S6	73,80 oct.No sto.Trees
Kent (Texas)	0.6 WNW;RR S	4260	21	P-line NE,SW.PRIV E.
Las Cruces (N.M.)	1 NE;hwy N	3900	35	
Las Cruces, mun.(N.M.)	8.5 W;hwy S	4426	75h L5	Site 4, EO-PU.
Las Cruces (old)(N.M.)	9.5 NE;hwy S	4538	39	Pwr line S.Mtn E.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Lordsburg (N.M.)	1 SE;RR N	4287	47 S1	73 oct.
Magdalena (N.M.)	0.8 N;RR S	6572	48 S1	Ltd 73 oct.P-line SW.
Marfa Mun. (new)(Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
(A) McNeal #1 (Douglas,Ariz) (A)	19 NNW	4195	60h	TMP INACT NO FACS.
Mt.Riley Int,37,PH-EO	1.8 SE;RR N	4106	36 L2	(N.M.)
Parker (Ruidoso,N.M.)	8.2 NNE;rd N	7200	36	Cattle on fld.
RODEO Range (N.M.)	254(RH)(116.1)	24°,0.0	BMRLZ-DTV	(4); 116.1,122.1
★ Rodeo Int,26A,PH-EO	7.3 NNE;RR SE	4137	40 L3 S1	Ltd 73 oct. (N.M.)
[Roswell] (N.M.)	1.6 WNW;RR 2	3621	56h L5 S6	80,91 oct. Fld lgts prior
Roswell Com. (N.M.)	4 W;hwy N E	3700	33	Windmill SW. req.
ROSWELL Army Range (N.M.)	305 (DEH)	255°,3.6	SBMRAZ	(3); 126.18
ROSWELL AAF Tower (N.M.)	396 (126.18)+		CA	(3); 126.18
(A) Roswell AAF (N.M.)(A)	6.5 S	3666	85h L5 S6	91,100 oct.No sto.
(A) Roswell AAF #3(N.M.)(A)	18 S	3712	70h	CLOSED.
Ruidoso (N.M.)	2.2 NNE;hwy W	7000	60 S2	80 oct.Mtns sur fld.
(A) Ryan #3 (Marfa,Tex)(A)	19 WNW;RR NE	4750	60h	CLOSED.
Safford (Ariz)	4.5 ENE;riv S	3176	48h L5 S5	80,91 oct.Fld lgts prior
SALT FLAT Range (Tex.)	335(DN)(116.1)	162°,2.7	BMRLPZ-DTV	(4);116.1,122.1 req
★ Salt Flat Int,8A,EO-FV	17 SW Guad.PS	3710	40 L3 S1	80 oct. Hwy S. (Tex)
Sierra Blanca (Tex)	2.8 ESE;hwy N	4450	21	P-line N.
Silver City (N.M.)	11.5 SE;hwy E	5400	54	
Skytel (Deming, N.M.)	1.4 WSW	4300	38 S2	73,80 oct.P-line E.
Socorro (N.M.)	2.5 S;hwy E	4759	60h L5 S1	80 oct.Use rnwys only.
State College(Mesilla Park)	1.2 E;RR W	3800	30 S6	73 oct.No sto.(N.M.)
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct.Hwy W.
Tracy (Carlsbad,N.M.)	2 ENE;hwy S			ABANDONED.
Tularosa (N.M.)	2.2 N;RR W	4550	34	
Valley (Berino, N.M.)	1 ENE;hwy W	3825	34 S1	73 oct.50'hi-line E.
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct.Poles NW.
Whitehill (Silver City,N.M.)	4 SSE	5800	30	P-line N.Rnwy data
Wickersham (Safford,Ariz)	2.5 S;RR NE	3000	32 S6	80,91 oct. unver.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

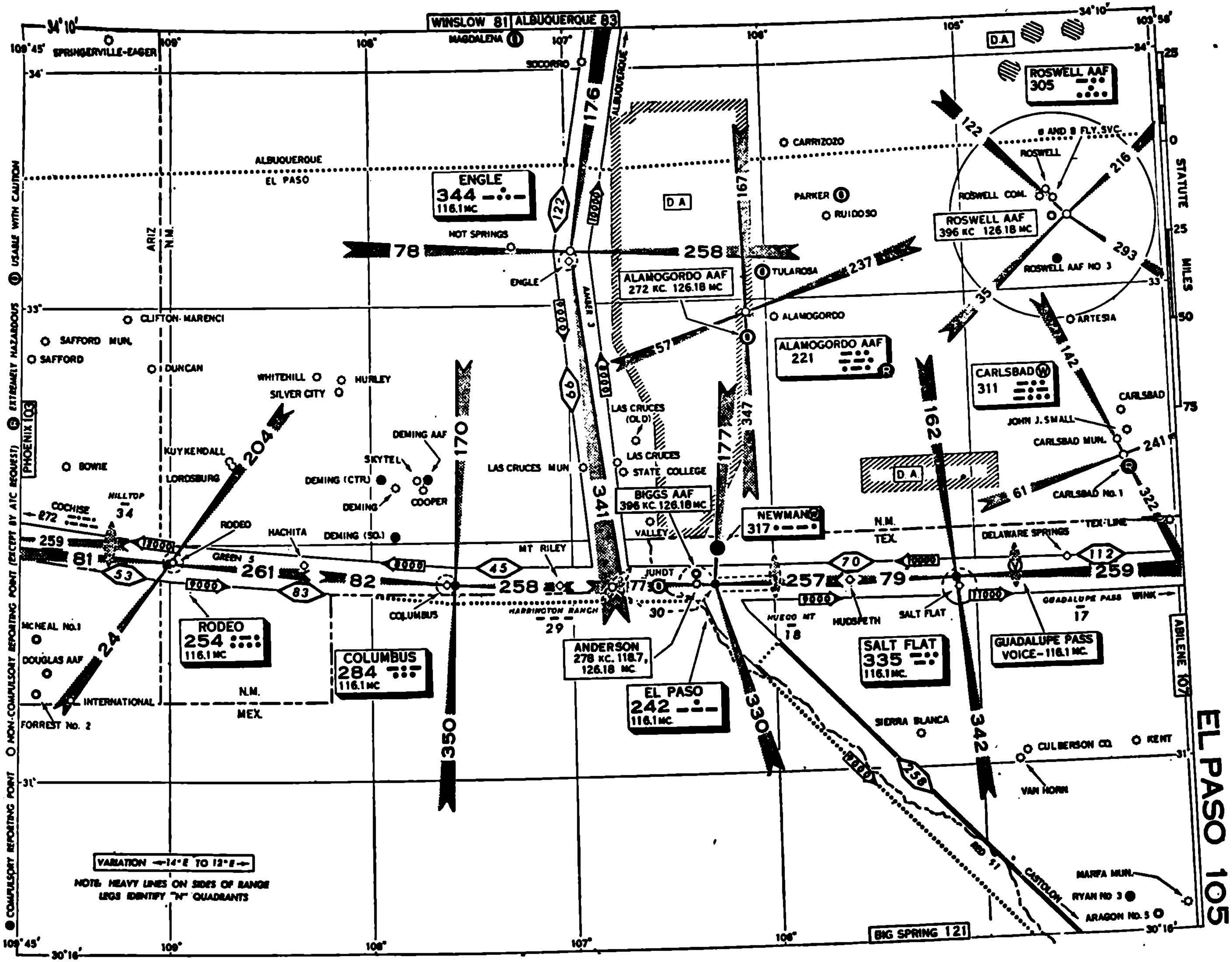
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIGGS (A)	109.9	333.8	210°	IM- (0.26)	MM- ····· (0.85)	OM- — — (4.35)
					MMK-	OMK-
ANDERSON	109.5	332.6	217°	IM-	MM- •—•— (0.67)	OM- — — (4.56)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

NEWMAN H Fac (Tex)	317(P)	357°,11	MHW	El Paso (cont)
McCombs Fld #1(Pine Spgs,Tex)	7 5 NNE	5200	20	Rough. Emerg.use only
Kuykendall(Lordsburg)	0.8 NNW;hwy E	4290	29 S1	80 oct.P-line NNE,3E,(N.M.)
Springerville-Eager (Ariz)	1,5 W	7000	37 S1	80 oct.
Cooper(Deming,N.M)	2.7 S	4300	25 L S1	80oct.Ctc,obst lgts prior req
ANDERSON Tower (Tex)	278(126.18. 118.7)		AC(ILS)	(4);122.5,118.7,126.18
[Anderson](El Paso,Tex)	4.8 ENE;RR SW	3936	70h L6 S6	73,91,100 oct.ARPT OF ENTRY.

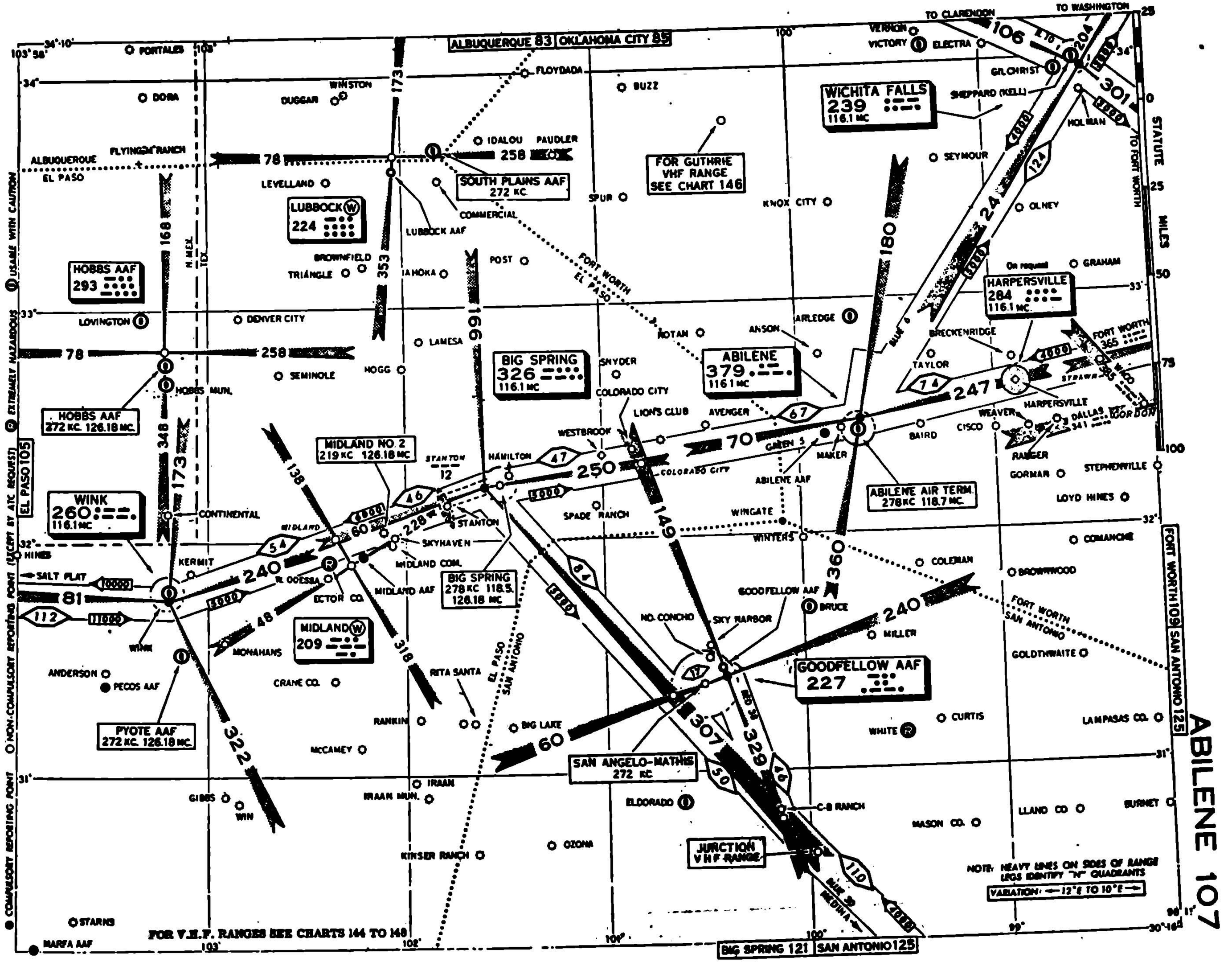
RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 149.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


WINSLOW 81
ALBUQUERQUE 83
MAGDALENA
SOCORRO
ALBUQUERQUE
34°10'
109°45'
109°
108°
107°
106°
105°
103°56'
34°
33°
30°16'
SPRINGERVILLE-EAGER
ALBUQUERQUE
EL PASO
ARIZ
N.M.
ENGLE
344
116.1 MC
HOT SPRINGS
ENGLE
ALAMOGORDO AAF
272 KC. 126.18 MC
CLIFTON-MARENCI
SAFFORD MUN.
SAFFORD
DUNCAN
WHITEHILL
HURLEY
SILVER CITY
KUYKENDALL
LORDSBURG
BOWIE
COCHISE
HILLTOP
34
RODEO
HACHITA
DEMING (CTR.)
DEMING
COOPER
DEMING AAF
SKYTEL
DEMING (SO.)
LAS CRUCES MUN
LAS CRUCES (OLD)
LAS CRUCES
STATE COLLEGE
BIGGS AAF
396 KC. 126.18 MC
VALLEY
MT. RILEY
GREEN 5
JUNDT
HARRINGTON RANCH
29
COLUMBUS
RODEO
254
116.1 MC
COLUMBUS
284
116.1 MC
N.M.
MEX.
MCNEAL NO. 1
DOUGLAS AAF
INTERNATIONAL
FORREST No. 2
ANDERSON
278 KC. 118.7,
126.18 MC
EL PASO
242
116.1 MC
TULAROSA
ALAMOGORDO
CARRIZOZO
PARKER
RUIDOSO
ROSWELL AAF
305
ROSWELL AAF
396 KC 126.18 MC
ROSWELL COM.
ROSWELL
B AND B FLY. SVC.
ROSWELL AAF NO 3
ARTESIA
ALAMOGORDO AAF
221
CARLSBAD
311
CARLSBAD
JOHN J. SMALL
CARLSBAD MUN.
CARLSBAD No. 1
NEWMAN
317
N.M.
TEX.
TEX-LINE
DELAWARE SPRINGS
112
259
257
79
70
HUECO MT.
18
HUDSPETH
SALT FLAT
SALT FLAT
335
116.1 MC.
GUADALUPE PASS
VOICE-116.1 MC.
GUADALUPE PASS
WINK
17
SIERRA BLANCA
CULBERSON CO.
RENT
VAN HORN
MARFA MUN.
RYAN NO 3
ARAGON NO. 5
CASTOLON
BIG SPRING 121
ABILENE 107
EL PASO 105
STATUTE MILES
0
25
50
75
D A
122
216
293
237
142
162
241
322
61
35
57
347
177
341
350
330
342
170
176
167
204
24
81
53
83
45
66
70
79
112
17
18
30
29
31
33
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
PHOENIX 103
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
VARIATION 14°E TO 12°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "M" QUADRANTS

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(A) Abernathy #1 (Tex) (A)	5 ENE			ABANDONED.
ABILENE Range (Tex) Air Term.	379(AP)(116.1)	180°,2.2	SBRAZ-DTV	(3); 116.1, 122.1 NATS
ABILENE AIR TERM Tower (Tex)	278 (118.7)		C	(4);118.7,126.18,122.5(7-23)
(P) [Abiline Air Terminal] (Tex)	2.8 ESE;RR N	1758	36h L5 S6	80,91 oct.100 oct.Army
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED. P-line S,SE,SW.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct.Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
Arledge (Stamford, Tex)	5 SE;RR SW	1600	23h	P-line S.
(P) Avenger (Sweetwater, Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;RR S	2950	37 S2	80 oct.Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-DTV	(3); 116.1,122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18, 122.5, 118 5 (7-23)
(N,P) [Big Spring] (Tex)	3.3 WSW;hwy N	2595	64h L5 S6	80,91,100 oct. NATS
Breckenridge (Tex)	2.5 S;RR E	1250	29 S6	80 oct. P-line N,E,NW.
Brownfield (Tex)	5 E;hwy N	3314	50 S2	80 oct.P-line N,NE.
(P) Brownwood Mun. (Tex)	6.3 NNE;RR S	1386	50h L5 S4	80,91 oct.Ctc lgts on req.
Bruce (Ballinger,Tex)	4.5 SSW;hwy NW	1731	23h L S6	80,91 oct.B-2 lgts on req.Use
Burkburnett (Tex)	1 SE;RR SW			ABANDONED rnwys.
Burnett (Tex)	2 NE;RR W	1325	21 S1	80 oct. P-line SW
Buzz (Roaring Springs, Tex)	2.3 NNE;hwy W	2600	26 S1	80 oct.
C-B Ranch (Ft.McKavett,Tex)	1.5 W;road S	2150	32 S1	80 oct. Livestock on fld.
Cisco (Tex)	2.5 NNW;lake 2 N	1620	30 L S4	80,91 oct. Flare pots,flds
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80,91 oct.Use rnwys prior req.
Comanche (Tex)	1.7 NNW;hwy SW	1500	14	
Commercial (Lubbock, Tex)	3.2 SE;bet hwys	3240	40 S6	73,80 oct.No sto.Use strips
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct.Hi-line S.
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel.
Denver City (Tex)	0.8 NW	3584	40 S1	80 oct. Data unver.
Dora (N.M.)	1.3 E;hwy W	4000	27 S1	73 oct.P-line N.
Duggan (Littlefield,Tex)	1.2 S;RR NE	3550	37 S4	80,91 oct.Pwrline E,NE,SE
Dyche (Ft. Stockton, Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct.Poles E.Cattle on fld
Electra (Tex)	3.6 WNW;RR S	1229	27 S2	80 oct.
Floydada (Tex)	1.2 NNW;RR N	3287	20 S1	80 oct P-line S. RR SW.
Flying "M" Ranch (Milnesand)	0.4 NNW;hwy E	4360	20 S2	80 oct.Data unver. (N.M.)
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.
Gilchrist (Wichita Falls,Tex)	7 WNW;RR S	1020	30 S1	80 oct P-line S
GOODFELLOW Army Range (Tex)	227 (DIP)	329°, 2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)(A)	3 SE;rds N,W	1877	55h	TMP INACT.
Gorman (Tex)	1 S;RR NE	1400	26 S2	80 oct. Poles NNE.
HARPERSVILLE H Fac. (Tex)	284 (HV)(116.1)		MHTV	(4); 116.1, 122.1
* Harpersville Int,44,EO-FV(Tex)		1396	45 L3	9.2 S of Breckenridge
HOBBS Army Range (N.M.)	293 (DHB)	168°,2.8	MRLZ	(3) (V, 7-23)
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct. prior req.
Hobbs Mun.] (N.M.)	5 W;hwy N	3658	50h L5 S6	80,91 oct.P-line N.Fld lgts
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct Bldg SW
Holman (Wichita Falls, Tex)	3.1 SSE;hwy W	980	31 L S6	80,91 oct.Poles SE,E,NE
Idalou (Tex)	5.5 ENE	3189	54h	Flood lgts.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE Use strips only.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona, Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
Knox City (Tex)	0.8 SSE;RR W	1550	17	
Lamesa (Tex)	8 NNE;hwy E	3031	43h	Use rnwys only.
Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(P) Lampasas Co. (Lampasas,Tex)	6 NW;RR S	1480	42 S2	80 oct.
Levelland (Tex)	2 S;hwy W	3550	25 S1	80 oct.P-line NW,SW
NEW FACILITIES				
Maker (Abilene,Tex)	2 7 W;hwy,RR N	1750	30 S6	80 oct.P-line N,NE,NW.
Goldthwaite (Tex)	2.6 WSW;hwy NW	1500	35 S2	80 oct.P-line W.
Vernon (Tex)	2.3 SSE;hwy W	1210	27 S6	80 oct Rough N,soft S ends

FACILITY	FREQ., IDENT / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Llano Co.(Llano, Tex)	2.4 NNE;riv NE	1029	40 S1	73 oct.
Lovington (N.M.)	0.8 E;hwy S	3985	36 S1	73 oct.P-line S,SE,SW.
Loyd Hines (Dublin, Tex)	1.3 NW;RR SW	1260	18 S1	73 oct.Poles NW,SW,SE.
LUBBOCK Army Range (Tex)	224 (DHH)	173°,3.7	MRLWZ	
(A) [Lubbock AAF] (Tex) (A)	9 W;RR S	3332	65h	TEMP INACT.NO FACS.
(A) Marfa AAF (Tex) (A)	9 ESE;RR N	4885	75h	CLOSED.
(P) Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED.
MIDLAND Army Range (Tex)	209 (DON)	46°, 3.8	MRLWZ	
(A) [Midland AAF] (Tex) (A)	9.5 WSW;RR S	2867	64h	CLOSED.
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18 (6-24) P-line SE.
(A) [Midland#2] (Tex)	3 NNW;rd E	2805	64h L5 S1	80,91 oct.91,100 oct.P-line Army.
Midland Com. (Tex)	1.1 SSE;hwy N	2800	30 S6	80 oct.P-line sur fld.Strip
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto. ends rough
Monahans (Tex)	1.2 SW;RR N	2643	32 S6	80,91 oct.P-line SSW.
[North Concho] (San Angelo,Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE.
(P) Olney (Tex)	4 WSW;rd S,N	1274	55h L5 S6	80,91 oct.Lgts prior req.
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Paducah (Tex)	2.5 ESE;RR NW			ABANDONED
Parker (Texon, Tex)	2.3 W;RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Portales (N.M.)	4.5 SW;RR NNW	4200	46 S1	73 oct
Post (Tex)	0.8 NE;RR W	2700	28	SSW,W blckd Canyon E
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91, 100 oct. No sto.
Ranger (Tex)	1.5 SSW;RR W	1420	28 S6	80 oct. P-line NE.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld.
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld.
Rotan (Tex)	1.4 NNW;rd E	2000	26	Poles E. CAUTION.
SAN ANGELO-MATHIS Tower (Tex)	272		CI	(4) 12 noon 'til 1 hr.after sunset.Closed Mon
(P) [San Angelo-Mathis] (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips
Seymour (Tex)	1.3 SE;riv SW	1300	27 S1	80 oct
[Sheppard/Kell Mun.] (Wichita Falls, Tex)	5.8 N;hwy W	1028	66h L5 S6	80,91,100 oct.P-line W,
Sky Harbor (San Angelo, Tex)	4.6 NNW;RR SW	1840	30 L3 S4	80, 91 oct After 2100 lgts on req.P-line W,NW
Skyhaven (Midland,Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
SOUTH PLAINS AAF Tower (Tex)	272		CA	(4) (8-17 Mon-Fri)
(A) [South Plains AAF] (Lubbock)	5.5 NNE;hwy W	3256	65h L5 S6	73,100 oct. (Tex)
Spur (Tex)	2.2 S;RR N	2363	28 S4	80, 91 oct.
Stamford (Tex)	2.5 N;hwy E			ABANDONED Port rnwy lgts
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct.prior req.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts
Taylor (Albany, Tex)	1 N;RR SW	1429	28 S2	80 oct.
Triangle (Brownfield, Tex)	1.8 SSW;RR NW	3200	20 S2	73 oct
U & S Fly Svc.(Big Spring,Tex)	See Hamilton under "New Facilities" - name changed.			
Victory (Vernon, Tex)	5.9 SSW;hwy E	1230	20h S2	No fuel.
Weaver (Eastland, Tex)	1 NE;RR S	1576	31 S6	80 oct.
* West Brook Int,32,EO-FV (Tex)	1.3 S;RR N	2188	34 L3	P-line N,S.
White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
WICHITA FALLS Range (Tex) (Sheppard/Kell Mun.)	239(WF)(116.1)	305°,1.7	SBMRAZ-DTV	(4); 116.1, 122.1
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260(WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80, 91 oct.
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
NEW FACILITIES				
GUTHRIE Range(Tex)	108.3(UH)		VARW	
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex)	14.8 S;ranch 4 E	2127	26	
Paudler (Crosbyton,Tex)	1.5 E;RR W	3138	19 S2	80 oct.P-line N,NE,NW.
Tahoka (Tex)	1.3 SSW;hwy E	3090	41 L S6	80 oct.P-line NE,W,NW.
Winston (Littlefield,Tex)	2.5 ENE	3550	43	P-line W. Strip lgts prior req.
Westodessa(Odessa,Tex.)	1.5 WSW;RR S	2880	33 S2	80,91 oct.P-lines NNW,SSE
Decker Ranch (Candelaria,Tex)	11 NNE;cliff 2 E	3650	29	PRIVATE
Graham (Tex)	2 ENE;hwy,RR N	1060	40 S3	80 oct.P-line NW,W,N.Trees
Hamilton (Big Spring,Tex)	1.5 N;hwy 1 S	2517	40 S6	80 oct,P-line N,NNE.Ctn. SW
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 S1	80 oct. Data unver.
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW
Snyder (Tex)	1.3 S	2270	21 S2	80oct.P-lines NW,W,SE.E blkd.


ALBUQUERQUE 83 OKLAHOMA CITY 85
TO CLARENDON
TO WASHINGTON
PORTALES
DORA
DUGGAR
WINSTON
FLOYDADA
BUZZ
VERNON
VICTORY
ELECTRA
GILCHRIST
SHEPPARD (KELL)
HOLMAN
WICHITA FALLS
239
116.1 MC
ALBUQUERQUE
EL PASO
FLYING M RANCH
IDALOU
PAUDLER
SOUTH PLAINS AAF
272 KC
FOR GUTHRIE
VHF RANGE
SEE CHART 146
SEYMOUR
LEVELLAND
LUBBOCK
224
SPUR
KNOX CITY
OLNEY
COMMERCIAL
LUBBOCK AAF
BROWNFIELD
TRIANGLE
POST
FORT WORTH
EL PASO
HARPERSVILLE
284
116.1 MC
GRAHAM
HOBBS AAF
293
LOVINGTON
DENVER CITY
LAMESA
ROTAN
ANSON
ARLEDGE
BRECKENRIDGE
TAYLOR
FORT WORTH
365
SEMINOLE
HOGG
BIG SPRING
326
116.1 MC
SNYDER
ABILENE
379
116.1 MC
COLORADO CITY
LIONS CLUB
AVENGER
HOBBS MUN.
HOBBS AAF
272 KC 126.18 MC
WESTBROOK
BAIRD
CISCO
WEAVER
HARPERSVILLE
DALLAS
GORDON
MIDLAND NO. 2
219 KC 126.18 MC
HAMILTON
GREEN 5
MAKER
RANGER
GORMAN
STEPHENVILLE
WINK
260
116.1 MC
CONTINENTAL
STANTON
SPADE RANCH
ABILENE AAF
ABILENE AIR TERM.
278 KC 118.7 MC
WINGATE
LOYD HINES
HINES
KERMIT
SKYHAVEN
MIDLAND COM.
WINTERS
COMANCHE
SALT FLAT
MIDLAND
BIG SPRING
278 KC 118.5
126.18 MC
COLEMAN
BROWNWOOD
MIDLAND AAF
GOODFELLOW AAF
BRUCE
FORT WORTH
SAN ANTONIO
MONAHANS
MIDLAND
209
ECTOR CO.
NO. CONCHO
SKY HARBOR
MILLER
GOLDTHWAITE
WINK
ANDERSON
PECOS AAF
CRANE CO.
RITA SANTA
GOODFELLOW AAF
227
PYOTE AAF
272 KC 126.18 MC
RANKIN
BIG LAKE
CURTIS
WHITE
LAMPASAS CO.
McCAMEY
SAN ANGELO-MATHIS
272 KC
IRAAN
IRAAN MUN.
ELDORADO
C-B RANCH
LLANO CO.
BURNET
GIBBS
WIN
MASON CO.
KINSER RANCH
OZONA
JUNCTION
VHF RANGE
STARNS
MARFA AAF
FOR V.H.F. RANGES SEE CHARTS 144 TO 148
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 10°E
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
EL PASO 105
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
FORT WORTH 109 SAN ANTONIO 125
BIG SPRING 121 SAN ANTONIO 125
STATUTE MILES
ABILENE 107

FORT WORTH

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Bowie (Tex)	2.8 NW;bet RRs	1050	19	Cattle on fld.Trees N.
Brown (Bonham, Tex)	8 N;hwy W			ABANDONED
Byrn's Sky Ranch (Hillsboro, Tex)	5.8 NE	820	25 S6	80 oct.Data unver. Trees
Carthage Air Svc.(Tex)	1.3 W;hwy N,S	310	30 S2	80,91 oct.P-line N. E,W.
Clarksville (Tex)	2.8 NNW;RR SW	480	20 S6	73,80 oct.
Cleburne Northwest (Tex)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
Commerce (Tex)	3.4 NNE	548	27 S6	80,91 oct. Hwy SE.
Commercial(Durant,Okla)	5.2 W;RR N			ABANDONED
Corsicana,com. (Tex)	2.8 SW;bet rds			ABANDONED
Corsicana,mun. (Tex)	5.6 SE;RR E	448	20h S6	
(A) Cox AAF (Paris,Tex)(A)	6.5 ESE;RR N	546	46h	CLOSED.
DALLAS Range (Love)(Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Decatur (Tex)	1.5 N;rd SW	1100	26 S2	80 oct.
Denton (Tex)	4 WSW	630	42h S6	80,91 oct.
DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
(P) Eaker (Durant,Okla)	3.2 SSW; RR NW	703	50h L5 S6	80,91 oct.All lgts prior req.
Elder (Kilgore,Tex)	2.5 NE;RR E	352	27 S6	80,87,91 oct.P-line W.
(P) Ellis Co.(Waxahachie,Tex)	3.5 NE;RR S	585	31 S2	73 oct.P-line S.
Ennis (Tex)	1.5 NW;RR E	540	18 S4	Ltd 73 oct. No sto.
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°, 2.4	SBRAZ-DTXV	(3); 116.1, 122.1
Gage (Teague, Tex)	1.7 N		22 S4	80 oct.P-line W.Data unver.
(P) Gainesville (Tex)	3.8 WNW;RR S	833	45h S5	80,91 oct.
Gainesville com (Tex)	3 NNE;hwy W	800	30	CLOSED
(A) Gaskin (Sherman,Tex)(A)	12.6 SW;rd E	745	40h	TMP INACT-NO FACS.
GRAUWYLER PARK H Fac.				DECOMMISSIONED
Gray (Denison, Tex)	2.5 E;RR N	675	24 L S6	80 oct.Emerg.lgts by circling fld.
(P) Gregg Co.(Longview,Tex)	7.2 S;riv N	365	52h S1	80,91 oct.
(P) Hamilton (Tex)	2.3 SSW;hwy E	1250	47 S6	80 oct.Fence sur fld. req.
Hartlee (Denton,Tex)	5.4 NE	588	40 L S6	80,91 oct.Port lgts prior
HASLET H Fac. (Tex)	371 (T)	1°,8.1	FMHW	(Cont.) Ft. Worth P-line
Henderson (Tex)	2.1 WNW;hwy S	410	19 S2	73 oct.
Holmes (Gilmer, Tex)	4 N;RR W	370	23	P-line W.Cattle on fld.
(P) Idabel (Okla)	1.3 NW;RR E	500	39 S2.	80 oct.P-line NE
Jacksonville (Cypress,Tex)	3 N;RR E	500	26 S6	73,80 oct.P-line ENE.
Jones (Bonham, Tex)	2 NNE;hwy E	616	18 L S1	80,91 oct. Lgts on req.
Legion (Paris, Tex)	1.9 NW;RR E	538	31 S6	80 oct. P-line E.
LOVE Tower (Dallas,Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18 No flood
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	73-100 oct.Poles S lgts.
McKinney (Tex)	2.1 S;hwy W	616	23 S2	80 oct. Poles E,W.
(P) Majors (Greenville, Tex)	5 SSE;RR W	544	55h S4	80, 91 oct.
Marshall (Tex)	3.9 SE;hwy N	400	30 S6	73 oct.P-line N.
MEACHAM Tower (Fort Worth, Tex)	272 (126.18, 118.7)		AC (ILS).	(4);126.18,118.7,122.5
(N)(P) [Meacham](Fort Worth, Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73-100 oct.NATS (Hospital flights)P-line SE, NW.
Mexia (Tex)	1 SE;RR NW	550	24 S2	80 oct.
Mount Pleasant (Tex)	2.8 ENE;RR S			ABANDONED
Muenster (Tex)	2.6 E;RR S	1010	26 S1	80 oct.P-line S.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Nacogdoches (Tex)	4 WSW;hwy E	370	43h S5	80, 91 oct.
(P) Palestine (Tex)	4.5 WNW;hwy N	410	40h L5 S6	80, 91 oct.
* Parker Int,48,JI-FV (Tex)	0.6 N;hwy W	847	31 L3	
(A) Perrin (Sherman,Tex)(A)	6.4 NNW;RR N	753	51h	TMP INACT.NO FACS.
(P) [Pounds] (Tyler, Tex)	5.5 W;hwy N	543	51h L5 S4	80,91 oct.Ctc lgts prior req. No sto.
(P) Rusk Co.(Henderson,Tex)	2.5 WSW;hwy N	440	30h	
Rodeo City(Jacksb'o,Tex)	4.5 N;arena W	1080	23 S2	80 oct.P-line SE. Trees S&E
St Jo (Texas)	1 N;lake 1 E	952	37	P-line NNE
Seventy-Five (Corsicana, Tex)	1.8 N;RR W	480	21 L S6	73 oct.No sto.Port rnwy lgts. Poles NW.
Sherman (Tex)	1.4 SE;hwy N	749	25h S6	80 oct.
* Simms Int,14,DL-LV (Tex)	1 NE;hwy E	357	26 L3	P-line E,S.
South Sulphur (Greenville)	9.5 NNE	550	30	(Tex)
Southworth(Ft.Worth,Tex)	4.2 S;crk W	650	25 S4	80,91 oct.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts.
Stewart (Tyler, Tex)	2.5 E;hwy N	520	32 L S6	80,91 oct.Poles W Ctc lgts prior req.Rnwy data
SULPHUR SPRINGS H Fac.	224 (ZO)		MHW	Operates cont. unver.
Sulphur Springs, 7B, DL-LV (Tex)	1.9 NW;RR S	472	35 L3 S1	80 oct.P-line S,SE.
TYLER Range (Tex)(Pounds)	320(TQ)(116.1)	124°,1.6	BMRLZ-DTV	(4);116.1,122.1
WACO Range (Tex)(Mun.)	385(WC)(vhf)	9°, 2.6	SBRAZ-DTV	(4); 116.1, 122.1
Waco (Tex)	7 NNE;bet RRs	470	63h	
[Waco Mun.] (Tex)	6 NW;lake 2 S	500	57h L5 S6	80,91,100 oct.
(A) Waco #5 (Prairie Hill,Tex)	2 S;hwy N	560	40h	CLOSED (A) NOT MAINT.
Waxahachie (Tex)	1.5 SSW	558	16 S1	73 oct. Hwys E.
Weddington (Hugo,Okla)	1.9 NW;hwy SW	550	24 S6	80 oct. P-line E.
Whaley (Gainesville,Tex)	5.7 WSW;RR N	820	20 S6	80 oct.P-line N.
** Wills Point Int,7,FV-AG	5.9 NW	529	28 L3	(Tex)
Wisener (Mineola, Tex)	1.5 NW;hwy S	510	32 S2	73 oct.
Wolfe City (Tex)	2 N		20	No fuel. P-lines N. Data unver.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

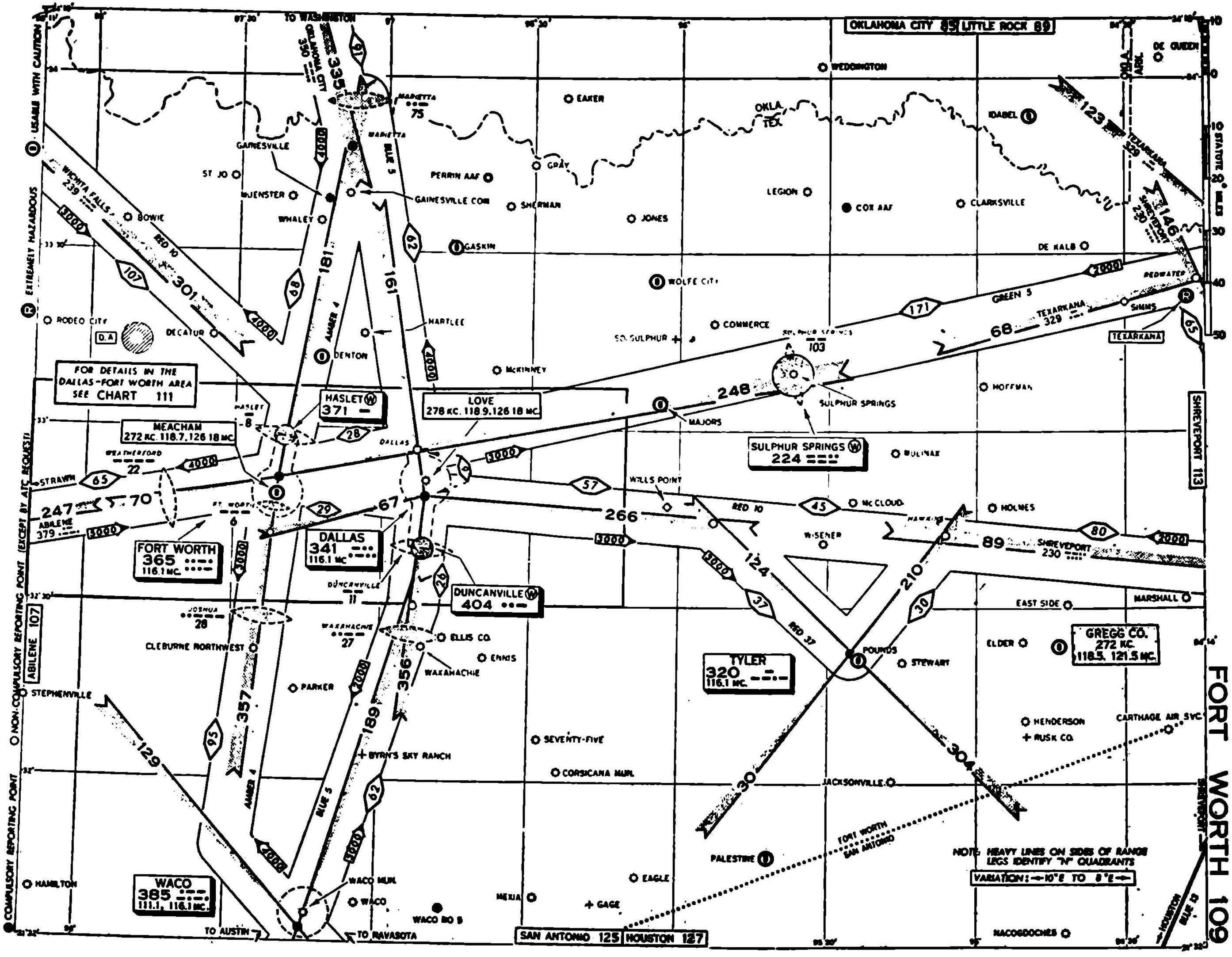
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOVE	110.3	335	126°	IM-	MM- •—•—(0.7)	OM- ——(4.35)
					MMK-	OMK-266
				IM-	MM-	OM-
MEACHAM	109.9	333.8	173°	IM-	MM- •—•—(0.71)	OM- ——(4.10)
					MMK- 356	OMK-

NEW FACILITIES

East Side (Longview,Tex)	2.4 NE;RR S	352	25 L S6	80,91 oct. Port rnwy lgts. P-line S
Hoffman(Mt.Pleasant,Tex)	2 SSW;RR E	416	32 S4	80oct.P-line N.
Mulinax(Winnsboro,Tex)	1.3 SE	533	26 S1	80oct.P-line NNE.
Irving (Tex)	1.6 NNE;hwy N	420	28 S6	80,91 oct P-line N,W
De Queen (Ark)	3 NW;rd E,S	400	24 S1	80 oct Appchs blkd
Pulley(Arlington,Tex)	0.6 N	616	28 S4	80 oct P-line NW Trees S
Skyview(Ft.Worth,Tex)	9.3 NNW;lk 2.5 W	790	32 S1	80 oct P-line NW
Eagle(Fairfield,Tex)	1.4 E	461	24 S2	80 oct P-line S
Marshall's(Dallas,Tex)	7.2 SE	475	28 S6	80 oct P-line SW,S
GREGG CO. Tower (Tex)	272 (118.5, 121.5)		CI	(4); 122.5,121.5,126.18

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3165, 4495, 6210 kcs. (4) - 3165, 4495, 6210, 9317.6 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 122.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —►— New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


OKLAHOMA CITY 85 LITTLE ROCK 89
TO WASHINGTON
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
OKLAHOMA CITY 350
WICHITA FALLS 239
ABILENE 379
SHREVEPORT 230
TEXARKANA 329
SAN ANTONIO 125
HOUSTON 127
FORT WORTH 109
STATUTE MILES
WEDDINGTON
EAKER
MARIETTA
GAINESVILLE
ST JO
PERRIN AAF
GRAY
IDABEL
LEGION
COX AAF
CLARKSVILLE
BOWIE
WHALEY
GAINESVILLE CORR
SHERMAN
JONES
DE KALB
GASKIN
WOLFE CITY
REDWATER
SIMMS
RODEO CITY
DECATUR
HARTLEE
COMMERCE
SO. SULPHUR
DENTON
McKINNEY
TEXARKANA
FOR DETAILS IN THE DALLAS-FORT WORTH AREA SEE CHART 111
HASLET 371
LOVE 278 RC. 118.9, 126.18 MC
MEACHAM 272 RC. 118.7, 126.18 MC
SULPHUR SPRINGS 224
HOFFMAN
MAJORS
SULPHUR SPRINGS
BULLNAR
WELLS POINT
McCLOUD
HOLMES
WISENER
FORT WORTH 365 116.1 MC.
DALLAS 341 116.1 MC
DUNCANVILLE 404
JOSHUA 28
CLEBURNE NORTHWEST
WAXAHACHIE 27
ELLIS CO.
ENNIS
WAXAHACHIE
EAST SIDE
MARSHALL
GREGG CO. 272 RC. 118.5, 121.5 MC
ELDER
TYLER 320 116.1 MC
POUNDS
STEWART
STEPHENVILLE
PARKER
HENDERSON
RUSK CO.
CARTHAGE AIR SVC
SEVENTY-FIVE
BYRN'S SKY RANCH
CORSICANA MUN
JACKSONVILLE
WACO 385 111.1, 116.1 MC
HAMILTON
WACO MUN
WACO
WACO RG B
MEXIA
EAGLE
GAGE
PALESTINE
FORT WORTH SAN ANTONIO
NACOGDOCHES
TO AUSTIN
TO RAVASOTA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 10°E TO 8°E
SHREVEPORT 113
ABILENE 107
123
146
301
181
161
247
266
124
210
304
129
357
356
189
3000
4000
2000

FORT WORTH SAN ANTONIO

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1(Tex)
Arlington-Midway (Tex)	6.8 NNE;RR S	567	41h L5	Poles S.
(N) Arlington OLF (Tex) (N)	4 SSW;rd W	695	13h	P-line SE,SW.
Bexar Co. (San Antonio,Tex)	7.1 SSW;rd W	640	37h L S6	80,91oct.Ctc lgts on req.
BROOKS Tower (Tex)	396 (126.18)		CA	(3); 126.18
(A) Brooks (San Antonio,Tex) (A)	6.5 SSE;RR W	594	52h L5 S6	73,100 oct.
Caddo Mills (Greenville,Tex)	10.7 SW;hwy W	540	40h	
(A) Clear Springs #5 (New Braunfels, Tex) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Clearview (Dallas, Tex)	5.1 SSW;RR N	619	30h S6	80, 91 oct.
Craigg (Sayers, Tex)	1.8 W;hwy N	650	29	Emerg. use.
DALLAS Range (Love) (Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Davis (San Antonio, Tex)	6.7 N;RR SE	780	17 S1	80 oct.
DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
Eagle Mtn Lake	1 SSE;RR NE	745	60h	CLOSED (Newark,
Faurie (Gonzales, Tex)	2 NNE	340	22 S4	80 oct.P-line NNE Tex.
Fliers (Dallas, Tex)	6.5 WSW;RR W			ABANDONED
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°,2.4	SBRAZ-DTXV	(3); 116.1, 122.1
FORT WORTH AAF Tower	317(126.18)+		CA ●:45,05	(3); 126.18
(A) Fort Worth AAF (Tex)(A)	6.8 WNW;lk N	636	82h L5 S6	73,91,100 oct. JP-1.
(N) Grand Prairie OLF (N) (Tex)	1 WSW;RR N	529	30h L5 S4	73 oct.No dcn.
GRAUWYLER PARK (Tex)				DECOMMISSIONED
Handley (Tex)	0.6 NE;RR S	630	26 S6	73 oct.
HASLET H Fac.(Tex)	371 (T)	1°, 8.1	FMHW	(Cont.) Ft. Worth
HENSLEY Tower (Tex)	396 (126.18)		CA	(4); 126.18
(A,N) Hensley (Dallas,Tex) (A,N)	11 WSW;hwy N	495	52h L5 S4	73,91,100 oct.
Hicks (Ft. Worth, Tex)	12.5 NNW	820	27	Lake W.
Highland Park (Dallas,Tex)	9 N;RR E	622	27h L S6	80,91 oct.P-line E. Ctc lgts N/S rnwy. Data unver.
Hudson (Dallas, Tex)	9.6 NE;RR SE	614	17h S6	80,91 oct.P-line W.
Hurt (San Antonio, Tex)	6.5 WNW	680	40 S6	80,91 oct.P-line NW.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio,Tex) (A)	6.2 WSW;RR SE	675	72h L5 S6	62,73,91 oct.JP-1. FOR.CLEAR.STN.
Kuehler (New Braunfels,Tex)	1.7 SE;riv NW			ABANDONED.
Lake (San Antonio, Tex)	10 S;RR E	700	27 S1	80,91 oct.
Leon Valley (San Antonio)	8.6 WNW;hwy E	710	40 S6	73,80,91 oct. P-line N,W
Lou Foote (Dallas, Tex)	8.8 S;hwy E	665	35 S6	73,80,91 oct.Bldgs NW. N, NE.
LOVE Tower (Dallas, Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18
(P) [Love] (Dallas, Tex)	5 NNW ;hwy W	483	52h L6 S6	73-100 oct. Poles S. No flood lgts.
Luling (Tex)	1.1 SE;hwy NE	418	18 S1	80 oct.P-lines sur fld.
Luscombe (Garland, Tex)	2.2 WSW;RR N	610	50 S5	80 oct. No sto.
(A) Martindale #4 (San Antonio, Tex) (A)	7.1 E;RR S	660	30h	P-line NW
MEACHAM Tower (Tex)	272 (126.18, 118.7)		AC (ILS)	(4); 126.18,118.7,122.5
(N,P) [Meacham] (Ft. Worth) Tex)	5.5 NNW;hwy NE	692	42h L6 S6	73,80,91,100 oct.NATS (Hospital Flights) P-line SE,NW
Midwest (Ft. Worth, Tex)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts. P-line W,S.
(P) Mineral Wells (Tex)	3.2 SE;RR N	938	42h L5 S4.	80,91 oct. No flood lgts.
Mission (San Antonio,Tex)	4.5 S;hwy E	567	24 S4	80 oct.P-line NNE,SSE.
Mustang (Dallas, Tex)	6 NNE;hwy NE	604	32 S6	80,91 oct.
Parker Sky Camp	3.4 SSE;RR NW	1050	23 S4	80 oct.(Weatherford,Tex)
RANDOLPH Army Range (San Antonio, Tex)	359 (DRQ)	322°,2.0	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riomedina (Castroville)	4.5 N;riv W	855	45	(Tex)
Russell (Ft. Worth, Tex)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
Saginaw (Tex)	0.5 WNW;RR E	790	26 S6	80, 91 oct.
SAN ANTONIO Range (Kelly)	254(ZN)(116.1)	107°,1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO	278 (118.5)		C (ILS)	(4);118.5,122.5,126.18
[San Antonio Mun.-Alamo] (San Antonio, Tex)	7.8 N;RR SE	800	55h L6 S4	80,91 oct.
Schneider (Seguin, Tex)	2.2 WNW;RR N			ABANDONED.
Second Ave.(Dallas,Tex)	7 SE;RR N	530	26 S1	73,80 oct.Use strips. Poles S.
Seguin (Tex)	3.3 WSW;riv E	400	37 S4	80 oct.Trees NNE,SSE.
(A) Seguin #1 (Tex) (A)	3 E;rd N	520	54h	
Skyline (Dallas, Tex)	3.2 SSE;riv E	430	26 S6	80,91 oct.Trees NW.
Sky Ranch (Arlington,Tex)	See Lucas Field under "New Facilities" - name changed			
STINSON Tower (Tex)	209		CI	3105, 6210 (8-21)
Stinson (San Antonio,Tex)	6.2 SSE;hwy W	604	49h S6	80,91 oct.P-line S,WNW
T.C.U. (Ft. Worth, Tex)	6.6 SW;RR S	710	24 S6	80, 91 oct.
Terrell Mun. (Tex)	1.5 SE;RR W	490	30h	80, 91 oct.
Wallace (Terrell, Tex)	2 W;RR S	500	19 S2	80 oct.
Wallace #2 (Kaufman,Tex)	4 W;hwy N			ABANDONED
Weatherford Mun. (Tex)	1 W;hwy N	1147	38 S4	80 oct.
White Rock (Dallas,Tex)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
Yates (San Antonio, Tex)	13.7 N;hwy 0.5 W	968	33	6' fence sur fld. Use fld at own risk.
YOAKUM H Fac. (Tex) (Int.)	236 (YK)	352,2.8	HW	
Yoakum (Tex)	4 N;hwy W	375	22 S6	80,91 oct.
★ Yoakum Int,7,JR-HU (Tex)	5 NW;hwy S	387	39 L3	
(A) Zuehl #6 (Tex) (A)	0.8 NE	610	30h	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
ALAMO	109.9	333.8	30°	IM-	MM- ·—·—(0.68) OM- ——(4.38)
				MMK-	OMK- 230 ·—·——
LOVE	110.3	335	126°	IM-	MM- ·—·—(0.70) OM- ——(4.35)
				MMK-	OMK-266 —··
				IM [	MM-] OM-
MEACHAM	109.9	333.8	173°	IM-	MM- ·—·—(0.71) OM- ——(4.10)
				MMK- 356 ···—	OMK-

NEW FACILITIES

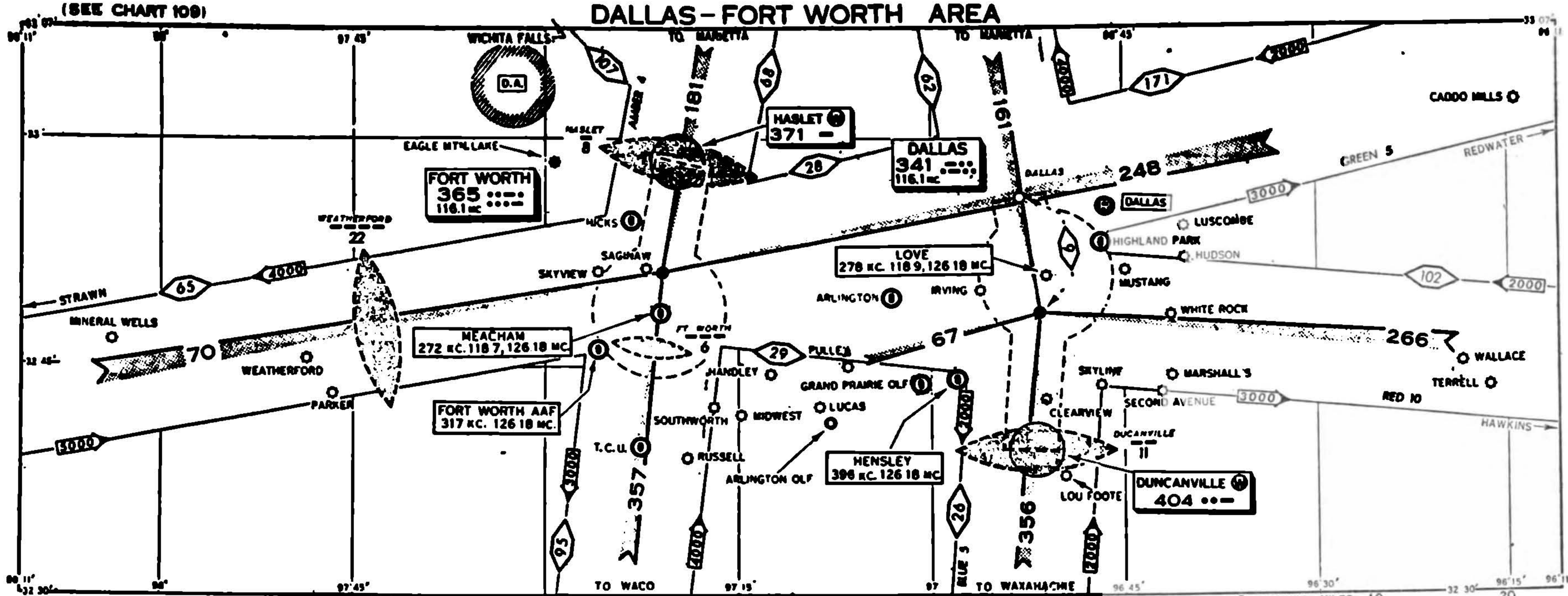
Lucas(Arlington,Tex)	3 SW	590	19 S2	80 oct.P-line N,S,NW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - . oice on 116.1 and 111.1 mcs. t. - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

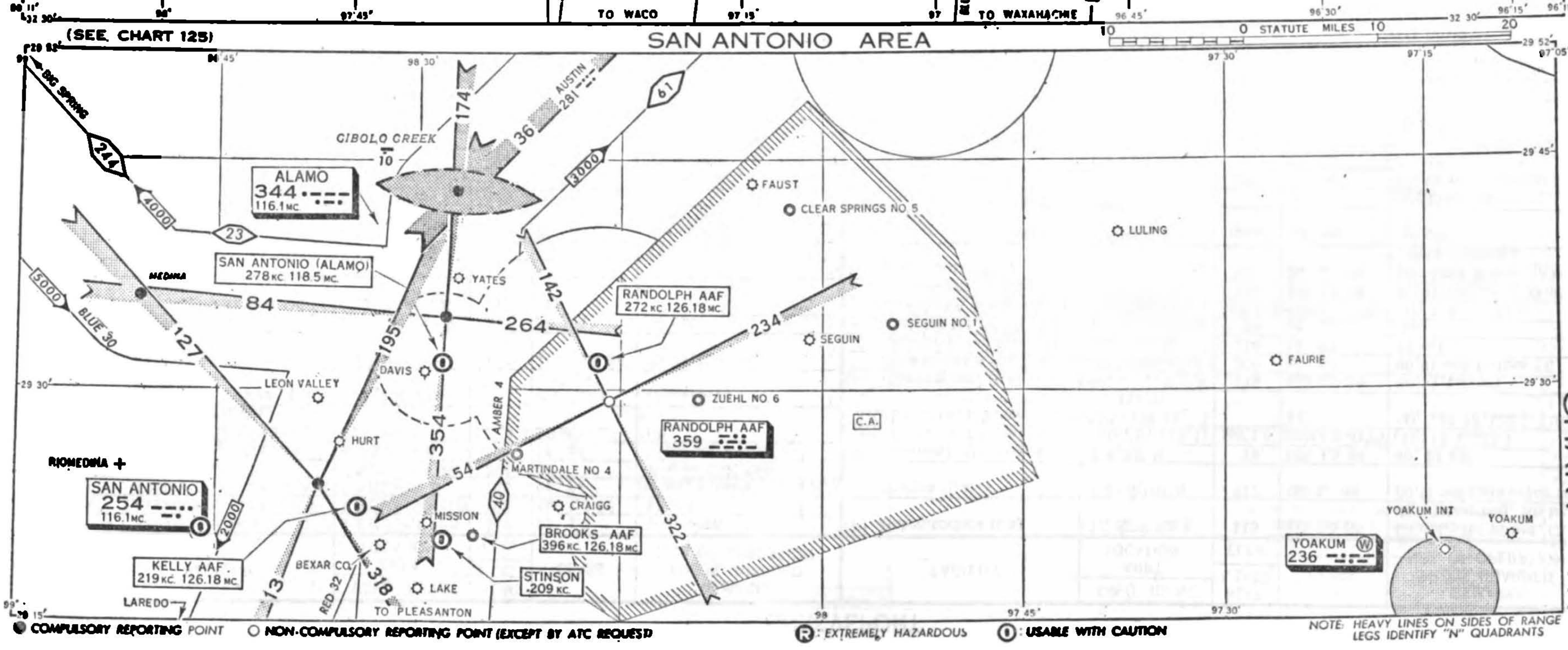
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

(SEE CHART 109)

DALLAS – FORT WORTH AREA



SAN ANTONIO AREA



COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) Ⓡ: EXTREMELY HAZARDOUS Ⓓ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 111

SHREVEPORT

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
★ Arcadia Int,26,FV-AG	4.5 E;RR,hwy S	342	29 L3	P-line SW. (La)
Arkadelphia,24,DL-LV	1.5 ENE; RR NW	186	40 L3 S6	80 oct. (Ark)
Ashley Co.(Crossett,Ark)	5.5 NE;RR E	160	22 S2	80 oct.P-line S.Trees N.W
Atlanta Mun. (Tex)	2 WSW;hwy NW	264	37	P-line ESE,SSE.
Baker (Magnolia,Ark)	4.3 E;hwy S	300	18 S6	91,80 oct.P-line SW.
BARKSDALE Army Range (Shreveport) (La)	379 (DBY)	325°,4.4	SBMRAZ	(3)
→BARKSDALE Tower (La)	396 (126.18)+		CA (ILS) (GCA)	(3); 126.18
(A) Barksdale (Shreveport, La) (A)	5.8 E;riv W	167	100h L5 S4	73,91,100 oct. JP-1.
Bastrop (La)	2.8 WSW;riv W	77	18 S1	80 oct.
Burnside & McDonald (Newellton, La)	1.5 SW;RR E	77	40	
Childress (Flora,Miss)	1.5 NNW;RR E	186	25 S1	73 oct.Trees,bldg N.
Cleveland (Miss)	2 NW;hwy S	140	26 S6	80 oct.P-line S,W.
→ Cole (Heads, Miss)	3 NE;RR W			ABANDONED.
Cypress(Greeny'l,Miss)	2.4 SSW;hwy W	125	28 S4	80 oct. NNE blkd.
David G. Joyce(Winnfield)	See Joyce under "New Facilities"			name changed.
Delhi Flying Svc. (La)	0.5 N	95	23 S4	80 oct.P-line E.Data unver
(P) De Soto Parish	4.3 NW;	322	51h S2	80,91 oct. (Mansfld,La)
Dixie Dusting (Greenv'l)	2 SE;RR,hwy N	118	16 S4	73 oct.No sto.(Miss)
Dossett(Beulah,Miss)	0.5 SE	160	21 S2	80oct.P-line S,SW.E,W
El Dorado (Ark)	1.5 S;rds W,E	277	24 S6	80 91 oct.P-line E. blkd.
(P) El Dorado-Goodwin (Ark)	8.6 W;hwy S	278	51h L5	No bound.flood,obst lgts.
Everett (Moorhead, Miss)	1 SE;RR N	127	37 S6	73 oct. No sto.
Ferriday (La)	1.5 N;RR,hwy E	55	17	
Gardner (Gilbert, La)	1 E;hwy S	75	16	PRIVATE
Grayson (Camden,Ark)	3.4 SW; hwy N	135	26 S6	80,91 oct P-line NE;trees
Greenville,mun. (Miss)	3.5 ESE;hwy N	118	40h S4	80 oct. SSW.NNE
(A) Greenville AAF (Miss)(A)	6.5 NE;rd W	129	40h L5 S2	80,91 oct.P-line E,SE.
Hart (Many, La)	1.8 SSW;RR E	242	24	Trees SSW.
Hinds Co.(Jackson,Miss)	12.8 W;RR 1.3 SE	244	40h	Pwrline N.
Hodge (La)	0.5 ENE;hwy W	300	24	Trees sur fld.
Hope (Ark)	6 NW; RR E	359	55h L5 S6	80,91 oct.Use rnwys only
Jones(Merigold,Miss)	0.8 N;hwy,RR W	142	13 S1	80 oct.
Joseph H.Sharpe	See Sharpe under "New Facilities"			- name changed.
Lakeview (Leland,Miss)	1.5 SE;lake E	120	16 S4	80oct.N,E blocked
L.B.Strange (Tutwiler)	See Strange under "New Facilities"			-name changed.
Leland (Elizabeth,Miss)	1.5 NE;riv N	119	20 S2	80 oct.Pwrline NW.
LeTourneau(Yokena,Miss)	2.5 NW;riv NW	80	30 L S1	91oct.Bndry lgts pri.req.
Longview(Warrenton,Miss)	0.3 SE;RR W	110	20 S4	80 oct.E blkd P-line W
Lucien (Shreveport, La)	8 S;RR E	170	32 S6	80,91 oct.
Magnolia (Ark)	1.6 WSW;RR E	225	30	10' bldg SSW.
→ McGehee (Ark)	0.6 NNW;hwy E	145	30 S1	80 oct. Hwy E.
Minden (La)	1.5 W;RR S	200	26 S4	80 oct. Trees sur fld.
MONROE Range(Selman)(La)	359(UO)(116.1)	25°,2.8	SBMRLZ-DTV	(4);116.1,122.1
Monroe Arpk (La) (old)	2.5 N;riv W	77	20 S1	80 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Natchitoches (La)	1.5 SSW;RR E	115	41h L5 S6	80 oct.; ltd 90 oct. Ctc lgts prior req. No bcn.
Ruston (La)	1.2 SE;RR N	317	16h L S6	80,91 oct.Lgts prior req.
(P) Selman (Monroe, La)	3 E;RR N	79	50h L5 S6	80, 91 oct.
SHREVEPORT Range (La)	230(ZH)(116.1)	146°,1.8	SBRAZ-DTV	(3);116.1,122.1
SHREVEPORT Tower (La)	278 (126.18, 118.7)		AC	(4); 126.18,122.5,118.7
(P) Shreveport (La)	2.5 N;riv E,S,N	179	45h L5 S6	80,91,100 oct.
Shreveport Arpk (La)	4.5 SSW;bet RRs	200	47 S6	80,91 oct.P-line SE.
Skinner (Glen Allan,Miss)	4 N;lake W	110	18 S1	73 oct.
★ Tallulah Int,36,FV-AG	2.4 ENE;hwy E	84	28 L3	(La)
TEXARKANA Range (Ark)	329(TR)(116.1)	123°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
Texarkana (Ark)	4 NE;RR W	389	40h L5 S6	80,91,100 oct.;100 oct.
Texarkana (Tex)	6 W;RR N	340	25 L S6	80,91 oct.Flare Army pots in emerg.
Ulmer (Brookhaven, Miss)	1.5 NNE;RR W	500	24 S4	80 oct.
VICKSBURG H Fac.(Miss)	382(VS)(116.1)		MHTV	(4); 116.1,122.1
Vicksburg (Miss)	6.8 NE;hwy W	287	40 S4	80, 91 oct.Obst sur fld.
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct.
Woodside (Grace,Miss)	1.4 NW	106	24 S1	80 oct Tree SE;bldg NW
Yazoo Mun. (Miss)	2 N;RR E	110	18 S4	80 oct.No sto.
Watts (Round Lake,Miss)	3 N; hwy W	145	26 S2	Priv.80,91 oct.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

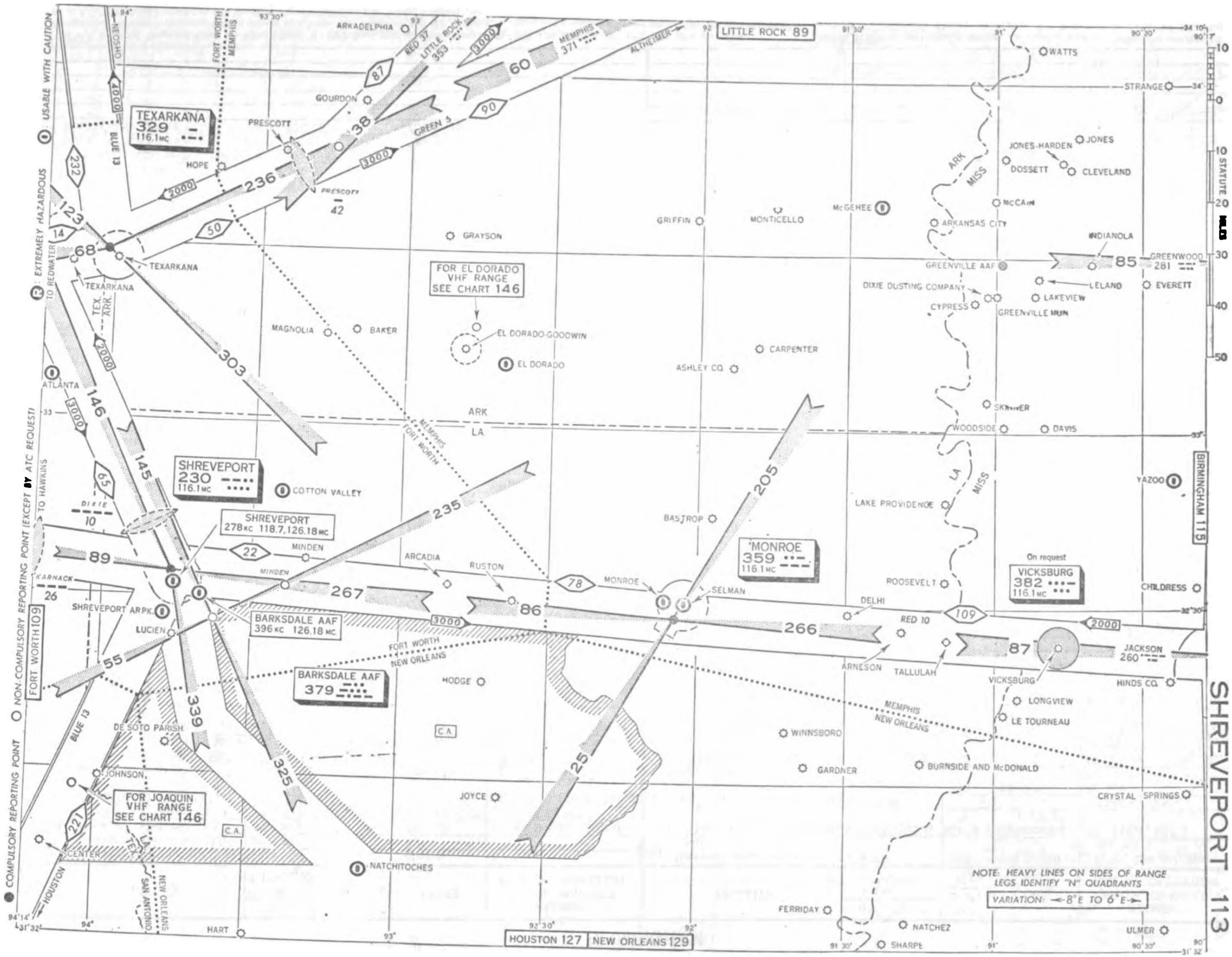
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BARKSDALE(A)	109.9	333.8	143°	IM- (0.01)	MM-••••••(1.00)	OM- — —(4.00)
					MMK-	OMK-
→BARKSDALE (A)	110.3	335	323°	IM- (0.05)	MM-••••••(1.00)	OM- — —(4.40)
					MMK-	OMK-

NEW FACILITIES

EL DORADO Range(Ark)	109.1 (LD)		VARW	
JOAQUIN Range (Tex)	(108.7)(WE)		VARW	
Indianola (Miss)	3 NW	125	45h S6	80,91 oct.
→ Collier (Drew, Miss)	0.6 NE;RR W			ABANDONED
McCain(Benoit,Miss)	0.8 NNE;hwy E	140	16 S1	80 oct.S blkd.Ctn-parked acft.
Davis (Nitta Yuma,Miss)	0.5 SSE;RR W	115	19 S1	80 oct.P-line W.Rough.
Crystal Spgs.(Miss)	0.7 SE	470	21	P-line NE;N,S,NW blkd.
Gourdon (Ark.)	0.2 NW	250	22 S2	80 oct.NW blkd.Trees NE
Carpenter (Hamburg,Ark.)	0.7 NW;RR SE	150	21 S2	80 oct.Trees W.P-line
Griffin (Warren,Ark.)	2.3 ESE;riv E,S	200	28 S2	73 oct.Cattle on fld.W,S,E
Monticello (Ark.)	2.2 E;hwy S	230	27 L S6	80 oct.N,E,S,W blkd.
Prescott (Ark)	3 SW;RR E	280	21 S1	80,91 oct. Port lgts.
Roosevelt (Sondheimer,	2.1 NNW;RR E	85	13 S1	80 oct. (La)
Center, Tex	1.2 ESE;hwy N	345	20	P-line NNW.
Jones-Harden (Cleveland,	4 NW;hwy 1,2 S	140	21 S5	80 oct.S blkd.Soft when wet.
Monroe Arpk(La)(new)	1.5 N;RR N	77	26 S6	80 oct.Trees SSE. (Miss)
Aineson(Quebec,La)	1 NNW;RR S	100	18	Private N blkd.
Johnson(Logansport,La)	0.5 ENE;RR W	192	15 S2	80 oct.Trees N ends
Arkansas City (Ark)	0.8 WSW	125	19 S1	80,91oct.P-lines block both
Cyce (Winfield,La)	3 NW;hwy E	130	30 S2	80 oct. Data unver.
Strange (Tutwiler,Miss)	0.7 SSE;hwy W	160	22 S6	80 oct.N blkd. wet.
Sharpe (Natchez,Miss)	1.8 ESE;RR S	135	26 S4	80 oct.N,W blkd.Soft when

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ♣ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized


SHREVEPORT 113
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
TO REDWATER
NON-COMPULSORY REPORTING POINT (EXCEPT ATC REQUEST)
TO HAWKINS
COMPULSORY REPORTING POINT
TEXARKANA 329 116.1MC
SHREVEPORT 230 116.1MC
SHREVEPORT 278KC 118.7,126.18MC
BARKSDALE AAF 396KC 126.18MC
BARKSDALE AAF 379
MONROE 359 116.1MC
VICKSBURG 382 116.1MC
On request
LITTLE ROCK 89
HOUSTON 127
NEW ORLEANS 129
FOR EL DORADO VHF RANGE SEE CHART 146
FOR JOAQUIN VHF RANGE SEE CHART 146
ARKADELPHIA
GOURDON
PRESCOTT
HOPE
GRAYSON
MAGNOLIA
BAKER
EL DORADO-GOODWIN
EL DORADO
ATLANTA
COTTON VALLEY
MINDEN
ARCADIA
RUSTON
KARNACK
SHREVEPORT ARPK.
LUCIEN
FORT WORTH
DE SOTO PARISH
JOHNSON
CENTER
HODGE
JOYCE
NATCHITOCHES
HART
GRIFFIN
MONTICELLO
McGEHEE
ASHLEY CO.
CARPENTER
BASTROP
LAKE PROVIDENCE
ROOSEVELT
DELHI
ARNESON
TALLULAH
VICKSBURG
LONGVIEW
LE TOURNEAU
WINNSBORO
GARDNER
BURNSIDE AND McDONALD
CRYSTAL SPRINGS
HINDS CO.
JACKSON 260
FERRIDAY
NATCHEZ
SHARPE
ULMER
YAZOO
CHILDRESS
WATTS
STRANGE
JONES-HARDEN
JONES
DOSSETT
CLEVELAND
McCAIN
ARKANSAS CITY
INDIANOLA
GREENWOOD 281
GREENVILLE AAF
DIXIE DUSTING COMPANY
CYPRESS
GREENVILLE MUN
LELAND
LAKEVIEW
EVERETT
SKINNER
WOODSIDE
DAVIS
ALTHEIMER
ARK
LA
MISS
TEX.
FORT WORTH
MEMPHIS
NEW ORLEANS
SAN ANTONIO
HOUSTON
BLUE 13
RED 37
GREEN 5
RED 10
C.A.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 8°E TO 6°E
BIRMINGHAM 115
STATUTE MILES

BIRMINGHAM

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Augustine (Jackson,Miss)	11.5 SSW	335	40 S4	80 oct.
Autaugaville (Selma,Ala)	20.5 W	100	73	
* Batesville Int,29,NO-LS	3 W;hwy SE	205	25 L3	Poles N,lgtd. (Miss)
BIRMINGHAM Range (Ala)	224(BH)(116.1)	178°,3.0	SBRAZ-DTV	(3); 116.1, 122.1
BIRMINGHAM Tower (Ala)	278 (126.18, 118.3)		AC(ILS-W)	(4); 122.5,126.18,118.3
(A) [Birmingham, Ala]	5.5 NE;RR S	643	57h L5 S6	73,100 oct.JP-1 Army.
Bonita (Meridian,Miss)	2.5 ENE;hwy N			ABANDONED. Poles NE.
(P) Carroll Conc(Tupelo,Miss	See Tupelo Airport under "New Facilities" - name changed			
Central Park (Birmingham, Ala)	5.2 NW;RR SE	535	18 S6	80,91 oct.P-lines NNW ,SSE,NNE.
Columbiana (Ala)	1.5 WNW;RR S	514	23	Lgt acft only.
(A) Columbus AAF (Miss)(A)	10 N;RR E	215	45h	TMP INACT.NO FACS.
CRAIG Army Range (Ala)	272 (DPP)	320°,2.5	BMRLZ	(3); 126.18
CRAIG Tower (Ala)	219 (126.18)		CA	(3); 126.18
(A) Craig (Selma,Ala) (A)	4.8 SSE	166	53h L5 S6	91, 100 oct.
Cullman (Ala)	5 SSE;hwy SW	740	17 S4	80 oct.Trees SSE.
Dallas (Selma, Ala)	2.2 SW;riv SSE	161	20 S1	80 oct. Trees NE.
[Dannelly](Montgomery, Ala.)	7.5 SW; hwy N	219	40h L5 S4	80, 91 oct.
(P) Demopolis (Ala)	7.8 WSW	198	50h	River NW.
E. Jackson (Jackson,Miss)	3.1 SSE;hwy N	310	20 S6	80 oct. Obst sur fld.
(A) Elmore (Montgomery,Ala)	10 N;hwy N	203	45	CLOSED (A)
Eupora (Miss)	1 NE;hwy S	325	20 S2	80 oct. Trees all appchs.
Eutaw (Ala)	2 SE;hwy N	160	23 S4	80 oct.P-line W.
Forest,46,FV-AG (Miss)	1 W;RR S	512	28 L3 S1	80 oct.
Foster (Tuscaloosa,Ala)	5.5 S hwy E	236	26 S6	80 oct. P-line,trees E.
(A) Furniss (Selma,Ala)(A)	10 SSW			ABANDONED
* Gainesville Int, 55, FV-AG (Ala)	2 S;hwy W	174	31 L3	P-line SW.
Gragg,27,PS-TM (Clanton, Ala)	2.2 NE;crk S	571	26 L3 S6	80oct.Trees E,SE,W.Use ctn.
Greenville,24,NO-AG(Ala)	5.5 WNW	561	26 L3 S3	80 oct.Trees N,S,W.Rough.
GREENWOOD Range (Miss)	281(GD)(116.1)	265°,1.9	BMLZ-DTV	(4);116.1,122.1
Greenwood Mun. (Miss)	2.3 SW;RR E	129	40h L5 S6	80,91 oct:P-line E,SE.
(A) Greenwood AAF (Miss)(A)	5.8 ESE;hwy N	162	50h	CLOSED.
Grenada (Miss)	4 N;RR S	207	51h L S4	80 oct.B-2 lgts on req.
HAWKINS Tower (Miss)	278 (126.18, 118.7)		C(ILS)	(4); 126.18,118.7,122.5
(A,N) [Hawkins](Jackson,Miss)	3 NW ;RR E	343	54h L6 S6	80,91 oct.Tank,stack E.
(A) Henderson (Selma,Ala)(A)	29 SW;riv W			ABANDONED
Houston (Miss)	1.5 SW;hwy N	342	31 S4	80 oct.NE,E,W blkd.
JACKSON Range (Miss) (Hawkins)	260(JA)(116.1)	173°,2.4	SBRAZ-DTV	(3); 116.1, 122.1
(NG) [Key] (Meridian,Miss)	3 SW;RR E	297	51h L5 S6	80,91 oct;100 oct NG.Ctc
Lauderdale Civil (Meridian, Miss.)	9 NNE;hwy E	310	32h	P-line S. lgts prior req. Cattle on fld.
Lee (Canton, Miss)	1.4 WNW;RR E	300	29 S2	Trees sur fld.
Louisville Air Svc.(Miss)	3.9 S;RR W	500	16 S1	80 oct. P-line S.
Masonic (Columbus,Miss)	2.5 NE;hwy S	200	28 S2	80 oct.N,E blkd.P-line W.
MAXWELL Army Range (Ala)	362 (DXW)	85°,2.0	SBRAZ	(4)
MAXWELL Tower (Ala)	396 (126.18)+		CA ◆ 49,09	(4); 126.18
(A) Maxwell (Montgomery, Ala) (A)	3 WNW	167	70h L5 S6	73, 91, 100 oct. No sto. JP-1.
MERIDIAN Range (Miss)(Key)	239(UM)(116.1)	154°,2.8	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Mollette (Selma,Ala)(A)	16.2 SSW			ABANDONED
North Jackson Arpk. (Jackson, Miss)	6 NE;hwy E	300	22 S6	80 oct.
O'Keefe (Newton,Miss)	1.5 ESE;rd N	363	23 S4	80 oct.Trees SSW,SE. Soft when wet.
Oktibbeha (Starkv'l,Miss)	7.5 ENE;lake N	326	33 S6	80 oct.Obst S,SW,W,NW
(P) Oxford (Miss)	8 S;riv N,W	300	30 S2	73 oct.
Philadelphia Arpk (Miss)	2 SE;hwy SW	500	24 S6	80 oct.P-line W.No sto.
* Rockport Int,12,NO-LS	1.5 E;riv W	217	28 L3	(Miss)
Roberts (Birmingham,Ala)	3 W;RR N	610	29 S6	80 oct.P-lines N.
Selma-Selfield (Selma,Ala)	4 ENE;RR S	130	40h	
(P) Starkville (Miss)	2.5 SW;RR NW	325	50h	
Stinson (Aberdeen,Miss)	2.8 NW;hwy E	239	40 S2	80 oct.P-line N;trees NW
TUSCALOOSA H Fac.(Ala)	206(TU)(116.1)		MHTV	(4);116.1,122.1
Van de Graaff,59,FV-AG (Ala)	3 NW;RR N	172	52 L4 S6	80,91 oct. Obsts sur fld.
Walker Co. (Jasper,Ala)	2.2 NNE;RR W	527	31 L5 S4	80, 91 oct.
Winona (Miss)	1.0 SSE;RR W	370	28 S6	80,91 oct.Trees N,S. Rough.
* Zeiglerville Int,19,NO-LS (Miss)	3 SW;crk S Hwy E	274	26 L3	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

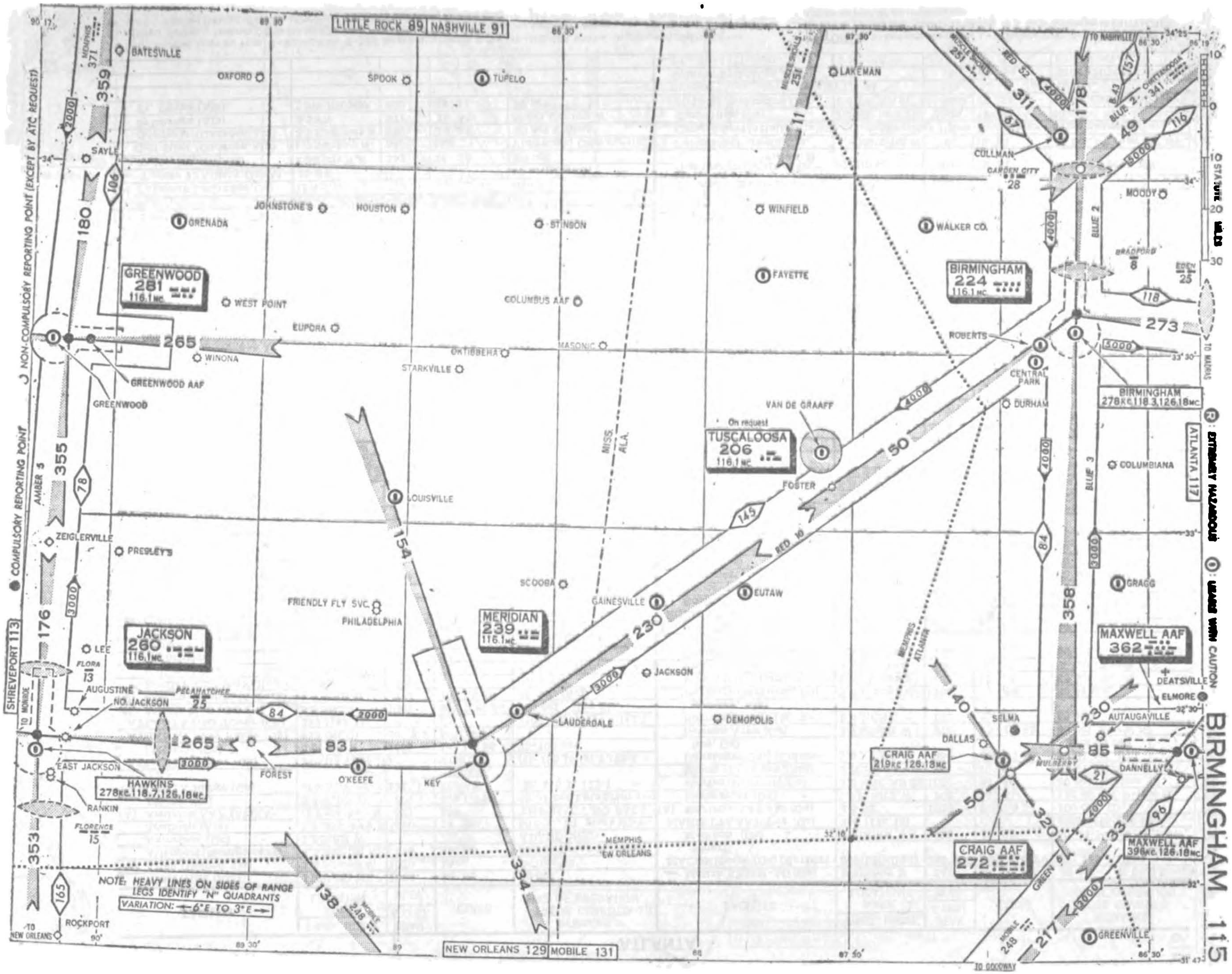
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIRMINGHAM				IM-	MM-	OM-
					MMK 356 ···· (0.72)	OMK 375 — ··· (5.4)
HAWKINS	109.9	333.8	108°	IM-	MM- .-.- (0.70)	OM- — — (4.43)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Friendly Flying Service (Philadelphia,Miss.)	0.7 SE	500	22 S4	80 oct.
Deatsville (Prattsville,Ala)	9.5 NNW;hwy W	524	40	Emerg only. S,SE blkd.
Durham (Bessemer,Ala)	2.5 SW,RR SE	500	23 L S6	80 oct.Rng lgts prior req.
West Point (Miss)	1 NE;RR W	250	19	Landing area rough.
Rankin (Jackson,Miss)	4 SSE;hwy W	250	30 S6	80 oct.
Presley's (Pickens,Miss)	1 NNE;RR E	230	23 S6	80 oct.Poles sur fld.
Fayette (Ala)	2.1 NNE;hwy W	359	18 S1	80 oct.P-line NW.
Jackson(Livingston,Ala)	1 N;hwy E	170	18 S4	80 oct
Scooba (Miss)	0.5 NE;RR W	250	19 S4	80 oct.P-line SE.Soft when wet
Sayle(Charleston,Miss)	3.3 W;crk S	160	20 S2	80 oct. Bldg S
Winfield (Ala)	0.5 SSE;hwys NNE	460	24 L S4	80,91 oct Trees sur fld
(P) Tupelo (Miss)	3 W;hwy S	338	32 S6	80 oct.No acft repairs
Johnstones Arpk (Calhoun City,Miss.)	1.8 N;hwy W	210	16 S2	80 oct.Rough.Soft when wet.
Lakeman (Haleyville,Ala)	5 NE	810	18 S4	80 oct.SW hills,trees.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —►— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


LITTLE ROCK 89 NASHVILLE 91
BATESVILLE
OXFORD
SPOOK
TUPELO
LAKEMAN
SAYLE
GRENADA
JOHNSTONE'S
HOUSTON
STINSON
WINFIELD
FAYETTE
WALKER CO.
COLLMAN
CARDEN CITY
MOODY
BRADFORD
GREENWOOD
281
WEST POINT
COLUMBUS AAF
EUPORA
WINONA
OKTIBBEHA
MASONIC
STARKVILLE
BIRMINGHAM
224
ROBERTS
CENTRAL PARK
DURHAM
BIRMINGHAM
278 KC 118.3,126.18 MC
GREENWOOD AAF
GREENWOOD
VAN DE GRAAFF
On request
TUSCALOOSA
206
FOSTER
COLUMBIANA
LOUISVILLE
MISS.
ALA.
ATLANTA 117
ZEIGLERVILLE
PRESLEY'S
SCOOBA
GAINESVILLE
EUTAW
FRIENDLY FLY SVC.
PHILADELPHIA
MERIDIAN
239
GRAGG
JACKSON
260
LEE
FLORA
AUGUSTINE
NO. JACKSON
PECAHATCHEE
LAUDERDALE
DEMOPOLIS
MAXWELL AAF
362
DEATSVILLE
ELMORE
AUTAUGAVILLE
SELMA
DALLAS
CRAIG AAF
219 KC 126.18 MC
DANNELLY
EAST JACKSON
HAWKINS
278 KC 118.7,126.18 MC
FOREST
O'KEEFE
KEY
RANKIN
MEMPHIS
NEW ORLEANS
CRAIG AAF
272
MAXWELL AAF
396 KC 126.18 MC
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ← 6°E TO 3°E →
ROCKPORT
TO NEW ORLEANS
GREENVILLE
NEW ORLEANS 129
MOBILE 131
TO GODOWAY
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
SHREVEPORT 113
BIRMINGHAM 115
CAUTION
TO NASHVILLE
TO MACON
STATUTE MILES

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albertville (Ala)	1 NW;RR NE	1063	28 S6	80 oct.
→ Allen (Buford, Ga)	1.5 S;hwy SW	1070	15	P-line SW.
Allenport (Montgomery)	4.3 SSE;RR NE	175	30 S6	80 oct. Trees N. (Ala)
Americus (Ga)	1.5 S;RR W			ABANDONED
Anniston (Ala)	5.5 SSW;hwy E	610	24 S6	80 oct. 100' stack WNW.
(A) Anniston AAF (Ala)(A)	15 WSW;hwy N	527	53h	TMP INACT. NO FACS.
Athens (Ga)	3.5 E;RR N	807	40h L3 S6	80,91 oct. Lgts prior req
ATLANTA Range (Ga)	266(AG)(vhf)	331°,1.9	SBRAZ-DTXV	(3); 116.1, 122.1
ATLANTA Tower (Ga) [Atlanta] (Ga)	278(118.7,126.18)		AC(ILS)	(4); 126.18,118.7,122.5
	8 S; RR N	1005	48h L6 S6	73-100 oct.
ATLANTA Navy Range (Ga)	323 (NCQ)	86°,3.2	MRLWZ	
ATLANTA NAS Tower (Ga)	356 (142.74)		CN	3105,4495,3117.5;142.7
(N) Atlanta NAS (Ga) (N)	8.5 NNE	1002	39h (L6) S6	100 oct. Hwy SE.
(P) Auburn-Opelika (Auburn)	2.8 E;RR N	774	40h L5 S6	80 oct. (Ala)
Bentley (Calhoun Falls,S.C.)	3 ENE	500	21	RR NNW.
Butler 14,71J-AG (Ga)	0.5 NW;RR S	667	32 L3	S,SW,NE blkd.
Cedartown (Ga)	1.2W;hwy SE	800	30 S4	80 oct. SE blkd.
Centre (Ala)	0.6 NNW	720	22 S4	80 oct. Trees SSE.
City-Co. (Carrollton,Ga)	See Carrollton Airport under "New Facilities"-name changed			
→ Clevenger's Arpk. (Marietta, Ga)	See Lunsford under "New Facilities"- name changed.			
→ Cobb (Marietta, Ga)	6.4 SSW;rdS	1050	16 S1	Ltd 80 oct. No sto. Trees
(A) Cochran (Macon,Ga)(A)	10 S;RR E	354	50h	TMP INACT. NO FACS. NW.
Cochran 50,MM-AG (Ga)	5 NE;riv E	324	30 L3 S6	80 oct. Trees SSW. (Ga)
Columbus (Ga)	1.5 SSE;riv SW	240	45 S6	80,91 oct.
(P) Cordele (Ga)	1.6 NNE;RR W	305	52h	
Crawford W. Long (Jefferson, Ga)	2.5 S;RR E	950	27 L1 S6	80 oct. P-line ESE.
(N,P) Dublin (Ga)	4.5 WNW;hwy S	303	50h L2 S6	Fld lgts on req. 80 oct. NATS (Hospital)
Elberton (Ga)	2 SE;hwy W,N	800	19 S1	80 oct. Obst sur fld blkd.
Felton (Cartersville,Ga)	2.5 N;hwy W	790	24 S4	80 oct. ENE,WSW,NNW
→ Flying "S" Ranch (Villa Rica, Ga)	1.7 NE	1040	17 S2	80 oct. Rocks NE.
Gadsden (Ala)	See Gulf Steel under "New Facilities"- name changed.			
Gainesville (Ga)	1.5 S;RR E,NW	1277	40h (L6) S6	80,91 oct. Lgts on req.
Griffin-Spaulding (Griffin)	1.5 S;hwy SSE	936	30 L4 S6	80,91 oct. ENE,SSE,WSW
GUNTER Tower (Ala)	201(126.18)		CA	(3) (Oper. on variable schedule) NNW blkd
(A) Gunter (Montgomery,Ala)	5 NE;hwy N	225	37h L5	(A)
Herbert Smart (Macon,Ga)	4 ESE;hwy W	463	47h L5 S6	80, 91 oct. P-line NE.
Hurtsboro (Ala)	2.5 SE;RR SW	349	23 S1	78 oct.
* Jackson Int,57,MM-AG (Ga)	4.6 SW	716	30 L3	
JONESBORO K Fac. (Ga)				DECOMMISSIONED.
Kings (Milledgeville, Ga)	See Milledgeville under "New Facilities" - name changed.			
(P) La Grange (Ga)	See Calloway Arpt under "New Facilities"-name changed			
→ Lakewood (Atlanta,Ga)	4 S;lake SE	1026	16 S8	80 oct.
→ LAWSON Army Range (Ga)	379(DVL)	21°,3.3	BMRLZ	(3)
LAWSON Tower (Ga)	278 (126.18)+		CA	(3); 126.18
(A) Lawson (Columbus,Ga)(A)	9.5 S;riv W	232	59h L5 S6	91,100 oct. No sto.
NEW FACILITIES				
(P) Calloway (LaGrange,Ga)	3 SW;RR ESE	700	50h L2 S6	80 oct.
→ Turner #1 (Albany,Ga)(A)	15 NE			ABANDONED.
Valley (Lanett,Ala)	2 SE;riv N,E	552	26 S6	80 oct.
Gulf Steel (Gadsden,Ala)	1.9 SW;hwy N	540	15h	Fld rough. Obst sur fld.
Goodyear (Gadsden,Ala)	3.5 ESE;hwy N	500	18 S4	80 oct. E blkd.
Sylacauga (Ala)	2.5 SW	571	19 S6	80 oct. Quarry W
Ft. Payne (Ala).	2 SW;RR NW	800	18 S4	80 oct.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→ McRae,47,MM-AG (Ga)	2 SE;hwy N	247	26 L3 S4	80 oct. W blkd. Rough
MACON Range (Ga) (Herbert Smart)	209(UN)(116.1)	246°,4.8	BMLZ-DTV	(4); 116.1,122.1
Madison (Ga)	2 SSW;RR .5 E	720	26 S2	SSE blkd, 80 oct. P-line NE,NNW,
MARIETTA AAF Twr (Ga)	396 (126.18)		CA	3105,4495;126.18
(A) Marietta AAF (A) (Ga)	2.5 SE	1030	60h L5 S4	100 oct. JP-1.
Montezuma (Ga)	1.5 E;RR S,W	300	35 S1	Ltd 80 oct. P-line S
Morton (Palmetto,Ga)	1.8 NNE;RR SE	1020	24 S4	80 oct. Hi-line SE.
Moton (Tuskegee, Ala)	3 N;RR;hwy W	269	40 S6	80,91 oct. Twr S end.
[Muscogee Co.] (Columbus, Ga)	5.6 NE;RR E	386	40h L5 S6	80,91 oct. Fld lgts on req.
Newnan Arpk (Ga)	3.7 SE;RR W	970	23 L1 S2	80 oct. Hwy W,N
Norman Bridge (Montgomery, Ala)	5.8 S;RR E	172	23 S4	80 oct.
Parkaire (Marietta, Ga)	7.7 E;hwy SW	1100	22 S6	80,91 oct.
Polo Arfld (Athens, Ga)	2 WSW;hwy N	720	12 S4	80 oct. No sto.
Red Dog (Cochran, Ga)	6.2 NW;RR S	300	23 S6	80 oct. Trees N,E.
→ Reginald Grant Memorial (Thomaston, Ga)	3.7 NNW;hwy E	750	23 S2	80 oct. S,W blkd;p-line N
Ries (Macon, Ga)	4.5 SE;riv E	300	17 S1	80 oct. N,E blkd.
ROBINS Tower (Ga)	284 (126.18)+		CA	(3); 126.18
(A) Robins (Warner-Robins)	1.5 NE Wellst'n	295	70h L5 S6	62,73,100 oct. JP-1.(A)
Roosevelt (Warm Spgs,Ga)	3.5 N;hwy W	870	21 S2	80 oct. WNW blkd.
Rockmart (Ga)	2 ENE;RR W	900	24 S6	80 oct. Trees N.
Rome (Ga)	3 NW;RR S	669	26 S6	80 oct. No sto.
(N) Russell (Rome, Ga)	7 N;hwy N	644	45h L5 S6	80,91 oct. Lgts prior req.
* Siloam Int, 7B, AG-CS (Ga)	1.3 S;hwy 1 NE	654	39 L3	SE blkd.
Souther (Americus,Ga)	4 NE;RR W	470	53 S6	80 oct. NE blkd, trees E
Talladega (Ala)	2.6 NE;hwy E	590	18 S4	P-line E, hill W. No sto.
* Tallapoosa Int,73,FV-AG	5.5 SSE	1210	21 L3	(Ga)
Thomas C. Russell (Alexander City, Ala)	See Russell under "New Facilities" - name changed.			
(P) Troy (Ala)	4.8 NNW;rd E	393	50h L5	
(A) Tuskegee AAF (Ala)(A)	7.3 NW;RR S	253	50h	CLOSED.
Tuskegee Institute #1 (Ala)	4 SSE;hwy W			ABANDONED.
(A) Vidalia-Lyons (Vidalia,Ga)	3.2 SE;hwy N	274	50h	TMP INACT. NO FACS.
Wages (Lawrenceville,Ga)	1.8 N;hwy E	1075	12 S2	80 oct. E blckd. (A)
Washington (Ga)	See McGill Field under "New Facilities" -name changed			
Weedon (Eufaula,Ala)	4.3 NNE;hwy E	275	35 L5 S6	80 oct. No bcn.
Winder,4,AG-LG (Ga)	1.5 NE;bet rds	950	30 L3 S6	80,91 oct. NE,SE blkd.
→ Woodbury (Ga)	1.5 E	770	16	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

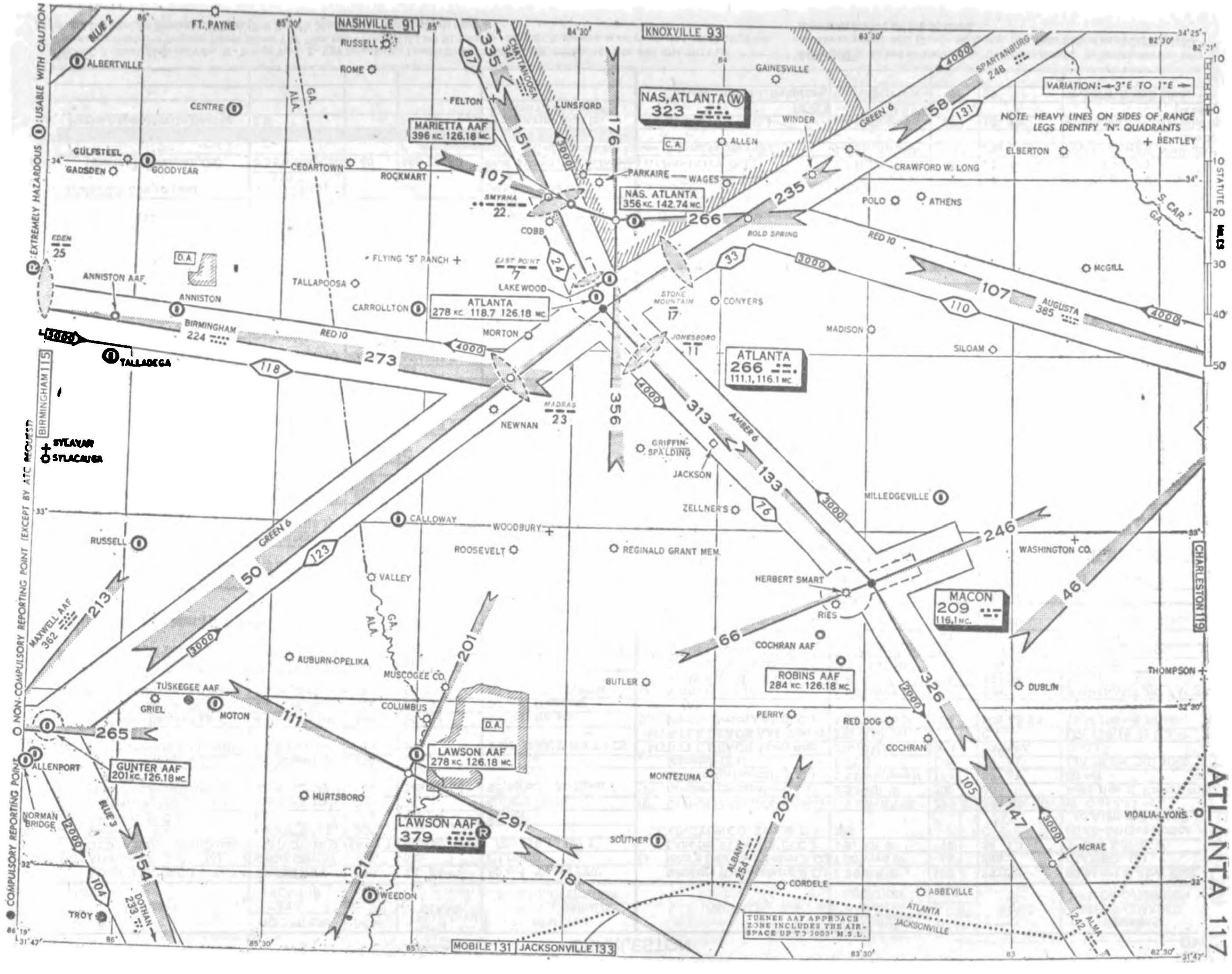
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
ATLANTA	109.9	333.8	329°	IM- MM- ·–·–(0.70) OM- ––(4.40) MMK-201 ·–·· OMK-219 ·····

NEW FACILITIES

Milledgeville ,(Ga.)	1.5 NW;RR SW	360	28 S4	80 oct. NW blkd. Pwr line E.
→ Abbeville (Ga)	0.8 S;hwy E	260	16	P-line W Emerg only.
Griel Aux (Tallassee,Ala)	4 S;riv NE	200	35	P-line W. Trees NE
→ Perry (Ga)	1.5 NNW;hwy W	340	16 S1	80 oct. Lgt acft only.
→ Gadsden (Ala)	5 SW	560	48h S6	
Thompson (Swainsboro,Ga)	1 W;hwy E	300	32	
Washington Co. (Sandersville,Ga)	1 E;RR W	460	26 S1	80 oct. Trees NW.
Zellner's (Forsyth,Ga)	1.8 NNW;RR W	705	18 S1	80 oct. Trees SW,NW.
Camp Sibert (Attalla,Ala.)	See Gadsden under "New Facilities"- name changed.			
Carrollton (Ga)	3.3 NE;hwy SE	1200	18 S1	80 oct.
McGill (Washington,Ga)	1.4 NW;RR SE	600	22 S1	80 oct. Cat'l on fld. Hwy S
Russell (Alexander City,Ala)	1.5 SW	711	32 S6	80 oct.
Sylavan (Sylacauga,Ala)	2 W	560	23 S4	80 oct. Slippery when wet.
→ Lunsford (Marietta,Fla)	5 NE;RR W	1020	18 S2	Ltd 80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


NASHVILLE 91
KNOXVILLE 93
FT. PAYNE
RUSSELL
ROME
ALBERTVILLE
CENTRE
GULFSTEEL
GADSDEN
GOODYEAR
CEDARTOWN
ROCKMART
FELTON
CHATTANOOGA
LUNSFORD
MARIETTA AAF
396 KC. 126.18 MC.
NAS, ATLANTA (W)
323
GAINESVILLE
WINDER
ALLEN
C.A.
PARKAIRE
WAGES
NAS. ATLANTA
356 KC. 142.74 MC.
SMYRNA
22
COBB
EAST POINT
7
FLYING "S" RANCH
TALLAPOOSA
LAKEWOOD
CARROLLTON
ATLANTA
278 KC. 118.7 126.18 MC.
STONE MOUNTAIN
17
CONYERS
JONESBORO
11
MORTON
ATLANTA
266
111.1, 116.1 MC.
MADISON
SILOAM
EDEN
25
ANNISTON AAF
ANNISTON
D.A.
BIRMINGHAM
224
TALLADEGA
NEWNAN
MADRAS
23
GRIFFIN-SPALDING
JACKSON
ZELLNER'S
MILLEDGEVILLE
CALLOWAY
WOODBURY
ROOSEVELT
REGINALD GRANT MEM.
VALLEY
HERBERT SMART
RIES
MACON
209
116.1 MC.
WASHINGTON CO.
MAXWELL AAF
362
AUBURN-OPELIKA
MUSCOGEE CO.
COCHRAN AAF
ROBINS AAF
284 KC. 126.18 MC.
BUTLER
DUBLIN
THOMPSON
TUSKEGEE AAF
GRIEL
MOTON
COLUMBUS
PERRY
RED DOG
COCHRAN
ALLENPORT
GUNTER AAF
201 KC. 126.18 MC.
HURTSBORO
LAWSON AAF
278 KC. 126.18 MC.
LAWSON AAF
379
MONTEZUMA
SOUTHER
VIDALIA-LYONS
McRAE
NORMAN BRIDGE
TROY
DOTHAN
233
WEEDON
CORDELE
ABBEVILLE
ALBANY
254
TURNER AAF APPROACH ZONE INCLUDES THE AIR-SPACE UP TO 3000' M.S.L.
ATLANTA JACKSONVILLE
ELBERTON
BENTLEY
CRAWFORD W. LONG
POLO
ATHENS
McGILL
BOLD SPRING
SPARTANBURG
248
GREEN 6
RED 10
AUGUSTA
385
AMBER 6
BLUE 2
BLUE 3
CHARLESTON 119
ATLANTA 117
MOBILE 131
JACKSONVILLE 133
VARIATION: 3°E TO 1°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
STATUTE MILES
NAUTICAL MILES
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
S CAR
GA.
ALA.

CHARLESTON

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Aiken (old) (S.C.)	2 E;RR NNE	500	19 S4	80 oct. Trees SSW.
(A) Aiken AAF (S.C.) (A)	6 NNE;RR SW	530	51h	CLOSED
AUGUSTA Range (Ga) (Daniel)	385 (VD) (116.1)	46°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Barnwell (S.C.)	1 WNW;hwy E	235	50h	
(P) Beaufort (S.C.)	4 NW	38	60h S4	80 oct.
Birdsville (Millen, Ga)	9.4 WNW;riv S	200	22	Emerg only.
(P) [Bluethenthal] (Wilmington, N.C.)	2.8 NNE;hwy W	30	70h L5 S4	80,91 oct. No flood
Bush (Augusta, Ga)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville, Ga) (A)	3 NE;hwy SW	46	50h	TMP INACT. NO FACS.
Carlisle (Bamberg, S.C.)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Beach (N.C.)	2.2 NNW;hwy E	32	16 S1	80 oct. (limited)
Carolina Skyways (Charleston, S.C.)	6 SSW;riv W	10	29 S6	80 oct. ENE,E,WSW, NW blkd.
CHARLESTON Range (S.C.)	329 (CS) (116.1)	110°,2.0	SBRAZ-DTV	(3); 116.1, 122.1
CHARLESTON Tower (S.C.)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18,118.3,122.5
(N) [Charleston Mun.] (S.C.)	9.8 NW;RR Bounders Fld NE	45	70h L6 S1	80,91,100 oct. Use rnwys only. NATS. (Hospital)
(N) Charleston (S.C.) (N)	4 N;riv E			ABANDONED.
(NG) Chatham AAF (Savannah, Ga) (NG)	7.5 NW;RR S	50	70h L5 S4	100 oct, 1-ech ltd 2-ech maint NG. No bcn.
Clark (Charleston, S.C.)	4 S;harbor NE	6	21 S4	80 oct. Trees sur fld.
COLUMBIA Range (S.C.) (Lexington Co).	227 (CI) (116.1)	268°,7.3	SBRAZ-DTV	(4); 116.1,122.1
(NG) Congaree (Columbia, S.C.)	15.5 ESE;RR S	237	45h	
(A) Coronaco AAF (Greenw'd)	3.8 N;RR E	629	50h	(S.C.) (A) CLOSED. Ifld.
Conway (S.C.)	2 1 N;RR W	20	24 S1	80 oct. Trees, p-line sur
DANIEL Tower (Ga)	278 (126.18, 118.9)		C	(4); 126.18,122.5,118.9
[Daniel] (Augusta, Ga)	2.5 W;RR S	424	42h L5 S6	80,91 oct. P-line S
Donald (St. Matthews, S.C.)	2.5 NNE;RR S	280	18 S1	Ltd 80 oct. Trees SE.
Duke (Chadbourn, S.C.)	1 N;RR SW	96	20 S4	80 oct.
* Elloree Int, 25, AG-CS (S.C.)	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill (S.C.)	2.5 SSW;RR E	135	25	
FLORENCE Range (S.C.)	320 (FL) (116.1)	292°,1.7	SBMRLZ-DTV	(4); 116.1,122.1
Florence (S.C.)	3.5 E;RR SW	146	60h L5 S1	80, 91 oct.
Georgetown (S.C.)	1 NW;riv E	12	29 S6	80, 91 oct.
(P) Georgetown Co. (S.C.)	4 S;bay E	37	50h	
Glennville (Ga)	2 SW;hwys N,E	175	32	No facs for public.
Greenwood (S.C.)	2.6 W;RR E	650	24 S6	80,91 oct.
Hartsville (S.C.)	2.1 NNE;hwy S	230	25 S2	80 oct.
Hawthorne (Orangeburg, S.C.)	5 S;RR E			ABANDONED
Hinesville (Ga)	3 S; RR E,S	55	24 S6	80 oct. No sto. Rdo repairs
Huggins (Timmonsv'l, S.C.)	1.5 ENE;hwy NW	149	18 S4	80 oct. Pwr line NNW
HUNTER Tower (Ga)	278 (126.18, 118.7)		AC	(4); 122.5,126.18, 118.7
[Hunter] (Savannah, Ga)	3.5 SW;RRyd NW	40	50h L5 S6	80,91,100 oct. Sharp incline 370' NE of NE/SW strip
NEW FACILITIES				
Parks Arpk (Myrtle Beach, S.C.)	2 N		25 S1	80 oct. Army Acft in Vicinity. Data unver.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Jennings (Orangeburg, S.C.)	2.3 S;RR E	190	25 S2	80,91 oct. P-line ENE
(A) John's Isl. (Charleston, S.C.)	7 SSW;rd W	16	50h	CLOSED. (A)
* Lane Int, 24, JX-RW (S.C.)	3 S; RR W	72	34 L3	P-line E, ESE, W
LEXINGTON CO. Twr. (S.C.)	396		C	(4); (8-24) (See Notice to Airmen Section)
(P) [Lexington Co.] (Columbia)	6.5 SW;RR SE	233	56h L5 S1	(S.C.) 80,91 oct.
(P) Lindsey (Swainsboro, Ga)	2.3 S;RR W	300	30	Pole line E. Emerg only.
Manning (Allendale, S.C.)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning (S.C.)	1.5 SE	125	20 S1	Ltd 80 oct. RR NNE
MYRTLE BEACH Army Rng	379 (DMB)	69°,4.4	BMRAZ	(S.C.)
MYRTLE BEACH AAF Tower	272 (126.18)		CA	(3); 126.18 (S.C.)
(A) Myrtle Beach AAF (S.C.) (A)	3 WSW;hwy N	24	50h L5 S6	73,91,100 oct. No sto.
(A) North (S.C.) (A)	1.5 SE;hwy N	320	50h	TMP INACT. NO FACS
North Augusta (S.C.)	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive (Wampee, S.C.)	3.3 S;hwy NW	33	60h S1	80,91 oct.
Owens (Columbia, S.C.)	See Columbia under "New Facilities" - name changed.			
Parris Isl. (S.C.)	1.5 S	11	60h	CLOSED
Peiffer (Wilmington, N.C.)	6 ESE;hwy N	10	18 S6	80 oct. N,NNE blkd.
Ridgeland (S.C.)	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
SAVANNAH Rng (Ga) (Hunter)	263 (SH) (116.1)	51°,2.2	SBMRLZ-DTV	(3); 116.1, 122.1
Savannah-Wilmington (Savannah, Ga)	8 ESE;hwy NW	10	29 S6	80 oct. N,NE blkd. Rough,
SHAW Tower (S.C.)	272 (126.18)		CA	(3); 126.18
(A) Shaw (Sumter, S.C.) (A)	7 WNW;hwy S	236	45h L5 S6	73,91,100 oct. JP-1.
(P) Statesboro (Ga)	3.8 NE;hwy W	180	53h S4	80 oct.
(P) Sumter (S.C.)	1.5 NW;RR S	169	30 S6	80,91 oct. Data unver.
Sylvania (Ga)	7.5 SSE	160	50h	CLOSED.
Trenton (S.C.)	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston, S.C.)	5.5 W;RRs N	12	29 S6	80 oct. Poles sur fld.
(P) Walterboro (S.C.)	1.3 NE;hwy SE	93	58h S2	80 oct.
W. Savannah (Savannah, Ga)	3 W;RR W,N	42	23 S6	80 oct. P-line NW.
Whiteville (N.C.)	3.7 S;RR N	60	18 S1	Ltd 80 oct.
Wilmington Arpk. (N.C.)	3 SE;hwy N	20	27 S4	80 oct. N & E blocked.
(P) Woodward (Camden, S.C.)	2.9 NE;hwy E	300	30h S4	80,91 oct. Parked acft on fld

INSTRUMENT LANDING SYSTEMS (*Localizer and G.P. in mcs, Compass Locators in kcs*)

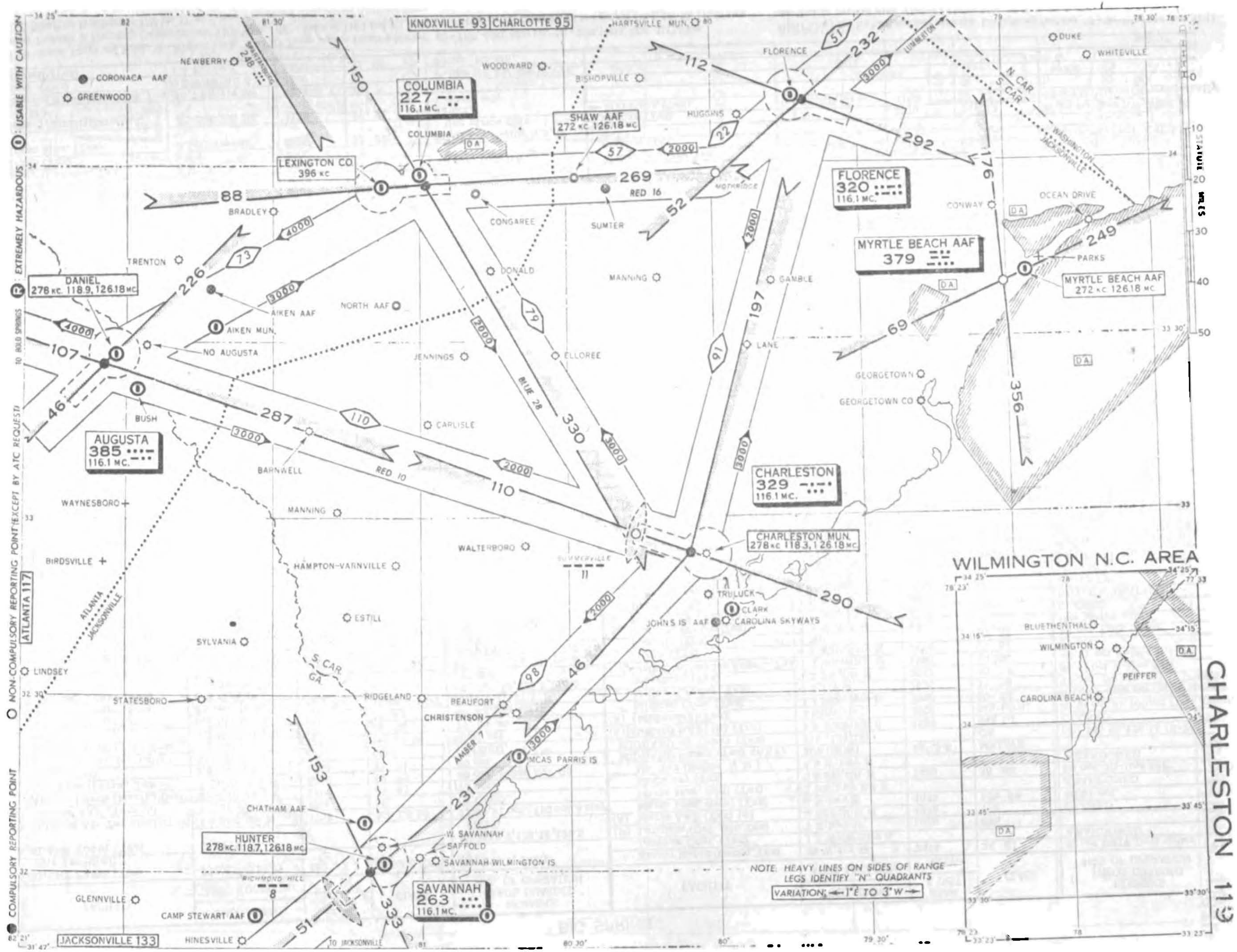
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHARLESTON	110.3	335	147°	IM-	MM- ·—·—·(0.64)	OM- ——(4.18)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Hampton-Varnville (Hampton, S.C.)	1.6 E;RR SW	110	28	ESE,SSW,WNW blkd.
Bradley (Batesburg, S.C.)	3.2 SE;hwy W	537	22 S2	80 oct. P-line W, trees
Gamble (Kingtree, S.C.)	1.8 E;hwy N	52	21 S2	80 oct. S,W blkd S,SE
Saffold (Savannah, Ga)	4.8 ESE;hwy S	10	32 S6	80,91 oct.
Waynesboro (Ga)	3.5 SSE;hwy E	295	36 S4	80 oct. NE,ENE blkd.
Newberry (S.C.)	2.3 NNW;RR NE	565	22 S6	80 oct. P-line E
Columbia Mun (S.C.)	2.5 SE;RR SW	192	36h L4 S3	80,91 oct. WSW,NNW blkd. P-line SSE.
Bishopville (S.C.)	1.8 NNE;hwys 0.6 SW	220	19 S2	80 oct. NNE,E,SSW blkd by trees
Christenson Fld (Beaufort, S.C.)	0.8 NNW;riv N	20	26	W,NNW,E,SSE blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 122.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.85 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —►— New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

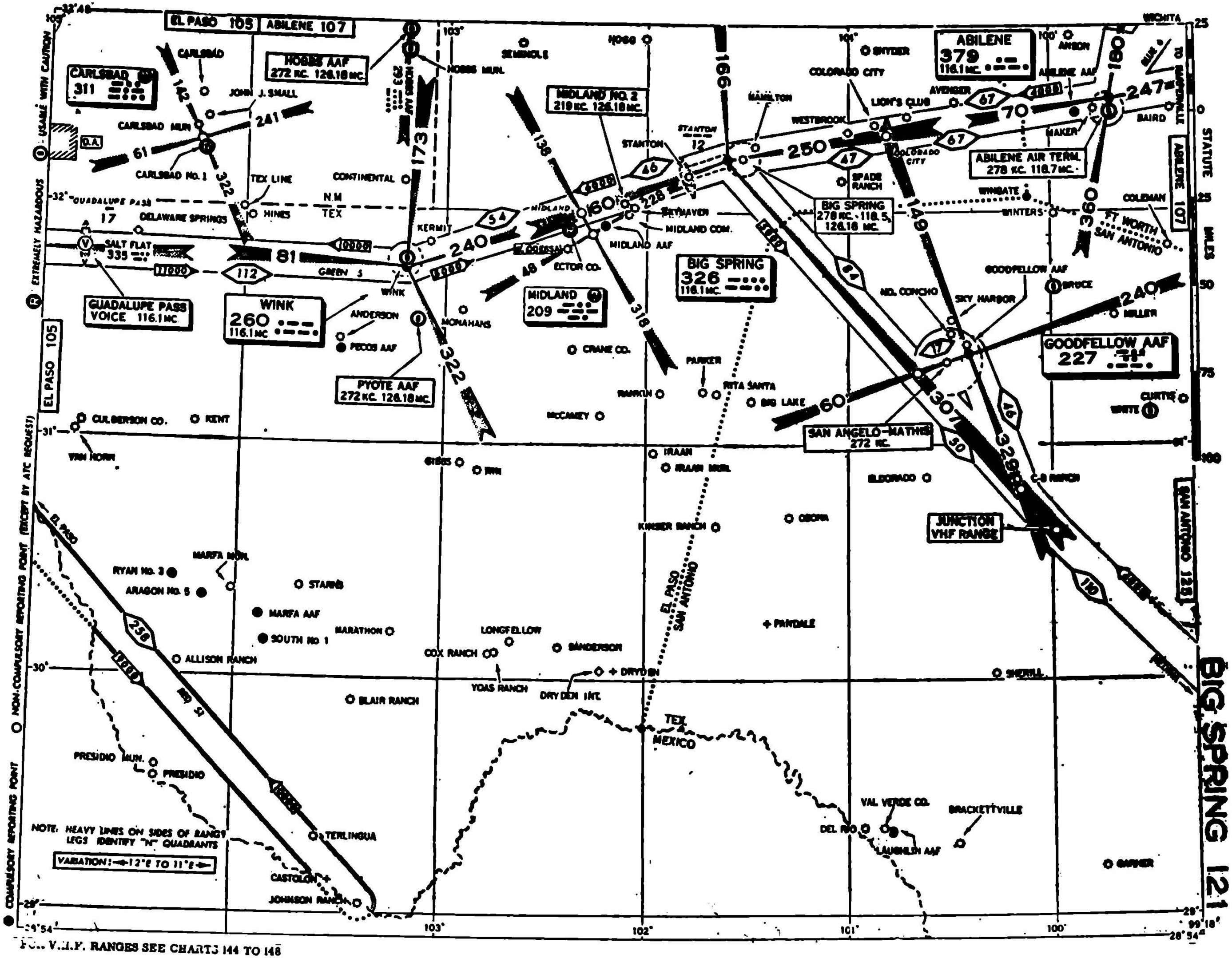

KNOXVILLE 93 CHARLOTTE 95
CHARLESTON 119
CHARLESTON SECTIONAL
WILMINGTON N.C. AREA
ATLANTA 117
JACKSONVILLE 133
COLUMBIA 227 116.1 MC.
SHAW AAF 272 KC 126.18 MC
LEXINGTON CO 396 KC
DANIEL 278 KC. 118.9, 126.18 MC
AUGUSTA 385 116.1 MC.
HUNTER 278 KC. 118.7, 126.18 MC
SAVANNAH 263 116.1 MC.
FLORENCE 320 116.1 MC.
MYRTLE BEACH AAF 379
MYRTLE BEACH AAF 272 KC 126.18 MC
CHARLESTON 329 116.1 MC.
CHARLESTON MUN. 278 KC 118.3, 126.18 MC
NEWBERRY
CORONACA AAF
GREENWOOD
WOODWARD
BISHOPVILLE
HARTSVILLE MUN.
FLORENCE
DUKE
WHITEVILLE
HUGGINS
COLUMBIA
BRADLEY
CONGAREE
SUMTER
MOTTEDALE
CONWAY
OCEAN DRIVE
PARKS
TRENTON
DONALD
MANNING
GAMBLE
LANE
GEORGETOWN
GEORGETOWN CO
NORTH AAF
AIKEN AAF
AIKEN MUN.
NO AUGUSTA
JENNINGS
ELLOREE
BUSH
CARLISLE
BARNWELL
WAYNESBORO
MANNING
WALTERBORO
BIRDSVILLE
HAMPTON-VARNVILLE
ESTILL
SYLVANIA
LINDSEY
STATESBORO
RIDGELAND
BEAUFORT
CHRISTENSON
TRULUCK
CLARK
CAROLINA SKYWAYS
JOHNS IS AAF
MCAS PARRIS IS
CHATHAM AAF
W. SAVANNAH
SAFFOLD
SAVANNAH WILMINGTON IS
GLENNVILLE
CAMP STEWART AAF
HINESVILLE
TO JACKSONVILLE
BLUETHENTHAL
WILMINGTON
PEIFFER
CAROLINA BEACH
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 1°E TO 3°W
NATURE MILS
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT

BIG SPRING

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ABILENE Range (Tex) (Air Terminal)	379(AP)(116.1)	180°, 2.2	SBRAZ-DTV	(3); 116.1, 122.1
ABILENE Tower (Tex)	278 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)
(P) [Abilene Air Terminal](Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.; 100 oct.Army
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Allison Ranch (Marfa, Tex)	23.4 SW;hwy E	5100	49 S1	73 oct.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct. Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
(A) Aragon #5 (Marfa,Tex)(A)	9 WNW;RR N	4880	60h	CLOSED.
(P) Avenger (Sweetwater,Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;hwy S	2950	37 S2	80 oct.Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-VDT	(3);116.1,122,1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18,122.5,118.5 (7-23)
(N)(P) [Big Spring] (Tex)	3.3 WSW;hwy N	2595	62h L5 S6	80,91,100 oct. NATS P-line N,E,NW.
Blair Ranch (Marathon, Tex)	23.5 SSW;hwy E	4180	24	PRIVATE.
Brackettville (Tex)	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Bruce (Ballinger, Tex)	4.5 SSW;hwy NW	1731	23h L S6	80,91 oct.B-2 lgts on req. Use rnwys.
CARLSBAD Range (Mun)(N.M.)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) [Carlsbad Mun] (N.M.)	6.1 SSW;hwy SE	3276	67h L5 S6	73,80,91 oct.No flood.Fld lgts on req.Rnwy data unver.
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Castolon (Tex)	0.8 NNW;riv SW	2300	16	High butte 0.5 mi E
C-B Ranch (Fort McKavett, Tex)	1.5 W;rd S	2150	32 S1	80 oct. Livestock on fld
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80, 91 oct. Use rnwys only
Combs (Marathon, Tex)	See Marathon under "New Facilities" - name changed.			
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Cox Ranch (Longfellow,Tex)	8.2 SW;RR S	3700	48	PRIVATE.
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct. Hi-line S.
(P) Culberson Co.(Van Horn,Tex)	3.5 ENE;RR S	3955	60h	
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel.
Decker Ranch (Candelaria, Tex)	11.5 N	3650	29	PRIVATE.
Delaware Springs Int, 11, EO-FV (Tex)	16.8 E Pine Springs	3955	40 L3 S1	91 oct. P-line SSE.
Del Rio (Tex)	1.5 WSW;hwy E	1025	30 S4	80 oct. No sto.Poles N.
Dryden Airdrome (Tex)	1 W	2159	18	
Dryden Int,29,EO-JI(Tex)	5.7 W;hwy N	2300	45h L3	
Dyche (Ft. Stockton,Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW;hwy W	2900	50 S6	80,91 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct. Poles E.Cattle on fld.
(A) Fort Clark (Brackettville)(A)	1.5 SW;rd E			ABANDONED
Garner (Uvalde, Tex)	2.7 E;hwy N	930	17h S1	80 oct.
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.
GOODFELLOW Army Range	227 (DIP)	329°,2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo,Tex)	3 SE;rds N,W	1877	55h	TMP INACT.
GUADALUPE PASS (Tex)	(116.1)		VP	(4);116.1,122.1
Hines (Red Bluff Lake,Tex)	5.5 NNW;RR W	2850	24 S1	80 oct.
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (7-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct. prior req.
Hobbs Mun (N.M.)	5 W;hwy N	3658	50h L5 S6	80,91 oct.P-line N.Fld lgts
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct.P-line N,S,SE. Use strips only.
John J. Small (Carlsbad, N.M.)	3.5 SSE;RR NE	3150	27 S1	73 oct.
Johnson Ranch (Castolon,Tex)	10.7 SE;riv SW	2092	37	
Kent (Tex)	0.6 WNW;RR S	4260	21	P-line NE,SW. PRIVATE.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona,Tex)	25 W;riv W	2474	24 S1	80 oct.PRIV.Data unver.
Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(P) Laughlin (Del Rio,Tex)	7 E;hwy N	1070	67h	
(A) Marfa AAF (Tex) (A)	9 ESE;R R N	4885	75h	CLOSED.
Marfa Mun. (new) (Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED
MIDLAND Range (Tex) (AAF)	209 (DON)	48°,3.8	MRLWZ	
MIDLAND #2 Tower (Tex)	219 (126.18)		CA	(4); 140.58,126.18 (6-24)
(A) [Midland AAF] (A) (Tex)	9.5 WSW;RR S	2867	64h L1	CLOSED.
(A) [Midland#2](Tex)	3 NNW;rd E	2805	64h L5 S1	80,91 oct.91,100 oct JP-1 Army.
Midland Com. (Tex)	1.1 SSE;hwy N	2800	30 S6	80 oct.P-line sur fld.Strip ends rough
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto.
Monahans (Tex)	1.2 SW;RR N	2643	33 S6	80,91 oct.P-line SSW.
[North Concho](San Angelo,Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct.P-line N,E,SE
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Pandale (Tex)	8 NE		20 S2	80 oct. Data unver
Parker, (Texon,Tex)	2.3 W; RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Presidio (Tex)	4 N;hwy W	2850	48	NOT MAINTAINED.
Presidio Air Strip (Tex)	0.8 NE;hills E	2500	21	PRIVATE.
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126 18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S6	91,100 oct. No sto.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld.
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only.Obsts sur fld.
(A) Ryan #3 (Marfa,Tex) (A)	19 WNW;RR NE	4750	60h	CLOSED.
SAN ANGELO-MATHIS Tower (Tex)	272		CI	(4); 12 noon til 1 hr.after sunset.Closed Mon
(P) [San Angelo-Mathis] (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct.
Sanderson (Tex.)	2 W;hwy N	2900	24 S2	80 oct.400' hills W,E.
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct.P-line S.Use strips.
Sherrill(Rock Springs, Tex)	4 W;hwy S	2400	21	Cattle on fld. P-line W,NW.
Sky Harbor (San Angelo,Tex)	4.6 NNW; RR SW	1840	30 L3 S4	80,91 oct.After 2100 lgts on req.
Skyhaven (Midland,Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct.P-line ENE,SE
(A) South #1 (Marfa, Tex) (A)	15 SE	4825	60h	CLOSED. W-mill WNW
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct.Rnwy lgts prior req
Terlingua (Tex)	2 E;hwy SW	2700	36	
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Tracy (Carlsbad, N.M.)	2 ENE;hwy S			ABANDONED.
U & S Fly Svc.(Big Spring)	See Hamilton under "New Facilities" - name changed.			
Val Verde Co.(Del Rio, Tex)	4.5 ENE;RR S	1094	49h	
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct. Poles NW.
Westbrook Int,32,EO-FV	1.3 S;RR N	2188	34 L3	P-line N,S. (Tex)
White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260 (WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80,91 oct
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
Yoas Ranch (Longfellow,Tex)	6.5 WSW;RR N	3675	36	PRIVATE.P-line NW.
NEW FACILITIES				
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook,Tex)	14.8 S;ranch 4 E	2127	26	
Westodessa (Odessa,Tex)	1.5 WSW;RR S	2880	33 S2	80,91 oct.P-lines NNW,SSE
Hamilton (Big Spring,Tex.)	1.5 N;hwy 1 S	2517	40 S6	80,91 oct.P-line N,NNE,Ctn. Data unver
Maker (Abilene,Tex)	2.7 W;hwy,RR N	1750	30 S1	80 oct.P-line N,NE,NW
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct.P-lines N,E,ESE,NW. blkd.
Snyder (Tex)	1.3 S	2270	21 S2	80 oct.P-lines NW,W,SE.E
Marathon (Tex)	0.8 SE;RR N	4100	26 S2	80 oct.Cattle on fld occasionally

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.55 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.



For V.H.F. RANGES SEE CHARTS 144 TO 148

CORPUS CHRISTI

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALICE Range (Tex)	224 (EZ)	72°,3.6	SRAWZ	
(P) Alice (Tex)	3.3 ESE;hwy 2 N	177	48h L5 S6	80, 91 oct.
(A) Alice AAF (Victoria,Tex)	See Victoria Co under "New Facilities" - name change			
Alice #10 (Victoria,Tex)(A)	19.8 WSW	150	40h	CLOSED.
Asherton (Tex)	1 S;hwy N	552	13	Trees N. Bush ENE. CTN.
* Austwell Int,5A,CR-HU.	2.1 SSW;rd N	23	32 L3	(Tex)
BROWNSVILLE Range (International) (Tex)	388(JI)(116.1)	157°,2.3	SBRAZ-DTV	(3);116.1,122.1
CABANISS NAAS Tower (Tex	(142.74)		CN	3105;142.74 (during flgt
(N) Cabaniss NAAS (Corpus Christi, Tex) (N)	6.2 SSW;hwy NW	30	50h L5 S6	80,91,100 oct. opers).
Central Valley (Mercedes)	3 NE;RR 1.5 S	60	31h S6	80,91 oct.(Tex)
Chase (Beeville,Tex.).	5.6 ESE;rd N	186	46h L5	No bcn,bndry,or flood lgts.
Chupadera Ranch Emerg. Strip (Laredo, Tex)	60 NW	630	33 L1	
CLIFF MAUS Tower (Tex)	278 (118.3)		C	(4);118.3,126.18,122.5 (7-23)
[Cliff Maus](Corpus Christi, Tex)	2.5 SW;hwy N	42	45h L6 S2	80,91 oct.
Commercial (Edinburg)	1 W;RR SE	90	13 S1	73 oct. P-line NW.(Tex)
Community (Sinton,Tex)	2 W;RR E	50	24 S4	80 oct. Trees N,E,SE.
CORPUS CHRISTI Range (Cliff Maus) (Tex)	382(CR)(116.1)	138°,2.9	SBMRLZ-DTV	(3); 116.1,122.1
CORPUS CHRISTI Navy Range	248 (NGP)	350°,3.3	MLZ	(3); 142.74
CORPUS CHRISTI NAS Tower	248 (142.74)		CN (GCA)	(3); 142.74
(N) Corpus Christi NAS (Tex)	9.5 SE;bay N	19	50h L5 S6	80,91,100 oct NATS (N)
CORPUS CHRISTI NAS Sea-plane Tower (Tex)	2870(142.74)		CN	3105;6210; 142.74
(N) Corpus Christi OLF #10 (Tex) (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLF #11 (Tex)(N)	16 SSW	29	15h	13 SSW Aberdeen
(N) " OLF #25 (Tex)(N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLF #41 (Tex)(N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City (Tex)	1.8 N;RR W	600	31 S4	80 oct.P-line ENE,WSW.
CUDDIHY NAAS Tower (Tex)				DECOMMISSIONED.
(N) Cuddihy (Corpus Christi)	7.8 SW;crk S	39	50h L5 S6	80,91 oct.No bcn. (Tex.)
Dimmit Co.(Carrizo Spgs, (Tex)	2.8 E;hwy N	640	26	P-line NNE,WSW.
(P) Eagle Pass (Tex)	10 N;RR N	887	59h	
Eagle Pass Mun. (Tex)	1.3 E;hwy N	774	29 S2	80 oct.ARPT OF ENTRY
Elsa (Tex)	1 SSE; RR SE	70	21 L S6	80 oct. Lgts prior req.
Foster (Victoria, Tex)	6.5 NE;RR S	104	52h	CLOSED
Fox (Raymondville,Tex)	1 WSW;RR S	40	26 L S4	80,91 oct.Poles S.SW..
Freer (Tex)	3.8 NNW			ABANDONED Port flood prior req.
Harlingen, com. (Tex)	1.8 SSW	41	18	
Harlingen (Tex)	5 NW;RR SW			ABANDONED
Harlingen, mun. (Tex)	3.5 NE	35	60h L5 S6	80,91 oct.Lgts prior req
Hunt (Portland, Tex)	2 WNW;bay S	35	16 S4	80 oct.
Indianola (Magnolia Beach)	2 SW;hwy 1 S	17	34 S1	80 oct.Emerg only.(Tex)
INTERNATIONAL Tower (Brownsville, Tex)	278 (126.18. 118.7)		C (ILS-W)	(4); 118.7.126.18,122.5 (8-24)
NEW FACILITIES				
Woods (Donna,Tex.)	0.9 E;RR S	88	25 S6	73,80 oct.Obst sur fld.
(P) Victoria Co (Tex)	5.5 WSW;hwy S	107	56h S6	80,91 oct.
Falfurrias (Tex)	0.7 SE;RR W	109	24 S1	80 oct.P-line NW. strips
Shary (Mission,Tex)	3.8 SE;rd W	135	37 S1	80 oct.P-line W,NW. Use
→ Pharr (Tex.)	1.8 S;hwy W	110	23 S6	80 oct.P-lines W,NW.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) [International] (Brownsville, Tex)	4.5 E;hwy N	22	57h L6 S6	73-100 oct. ARPT OF ENTRY.100 oct.Army
Kenedy (Tex)	1.4 ESE;hwy N	270	15 S2	80 oct. Ctn.
* Kingsville Int,11,JI-FV	3.5 S;hwy W	58	26 L3	(Tex)
" (North) (Tex)	3.5 ESE	47	61h	CLOSED.
Kingsville (South) (Tex)	3.5 SE	51	61h S4	80, 91 oct.
Lake Mathis (Mathis,Tex)	5 WSW;RR SE			ABANDONED.
La Laja (Dolores,Tex)	1.5 NNE;riv SW			ABANDONED
LAREDO Range (Tex)	206(LL)(116.1)	137°,3.1	SBRAZ-DTV	(4); 116.1,122.1
[Laredo] (Tex)	3.5 NE;hwy, RR W	512	66h L5 S6	80,91 oct.Lgts on req. ARPT OF ENTRY.
Los Fresnos (Tex)	0.8 SSE;RR W	35	24 S6	80 oct.P-line W.
McAllen (Tex)	1.6 SSW;hwy E	115	29 S6	80,91 oct,Obst sur. fld.
Magic Valley (Mission)	1.5 SSW;lk W			ABANDONED
(A) Matagorda Island (Tex)(A)		7	40h	TMP INACT.NO FACS. 9 SSW Port O'Conner.
Matagorda-Peninsula (Matagorda, Tex)	6.5 E Port O'Conner	5	40h	
Mauldin (Brownsville,Tex)	4.4 NNW;RR W	22	35 S6	80,91 oct. Obst sur fld.
Mid-Valley (Weslaco,Tex)	1.7 NE;RR W	70	25h S4	80 oct.Canal N,E,S.
(P) Moore (Mission, Tex)	12 N;RR E	219	50h S6	80,91 oct.
" #1 (Mission,Tex)	10 N Edinb'g	80	40h	wy,RR W
(A) " #3 (Mission,Tex)(A)	5 N LaGrulla	300	30h	CLOSED.
PALACIOS Range (Tex)	350 (UX)	118°,1.6	MLWZ	
Palacios (Tex)	2.7 WNW	13	50h S4	80 oct.
* Pawnee Int,22,JI-FV (Tex)	5 WNW	368	30 L3	
(P) Port Isabel (Tex)	10 NW	12	48h	
* Raymondville Int,5,JI-FV	3.5 NNE	34	29 L3	RR W. (Tex)
(P) Rockport (Tex)	See Aransas Co under "New Facilities" - name changed.			
RODD NAAS Tower (Tex)	(142.74)		CN	3105;142.74(during flgt
(N) Rodd NAAS (Corpus Christi, Tex) (N)	9.8 S;riv S	20	51h L5 S6	80,91,100 oct. opers.)
Rooke (Refugio, Tex)	3.2 WSW	46	26 S4	80 oct.P-line NE.
San Benito,2,JI-FV (Tex)	1.5 E;RR SW	31	26 L3 S6	80,91 oct.Bust SW.
Shary (Mission, Tex)	1 NW;RR E			ABANDONED
Sinton (Tex)	1.3 E	27	26 S6	80,91 oct.
Tanner Sea & Land Plane Base (Port Lavaca,Tex)	3 S;hwy S	12	22 S1	80 oct.
Travland (Beeville,Tex)	2 NW;RR E	225	19 S2	80 oct.P-line E,NE.
Waldron (Corpus Christi, Tex)	12 SSE;hwy NNE	25	50h	CLOSED.
Weisman (Kingsville,Tex)	2.5 NNE;RR S			ABANDONED
Wormser (Lardeo, Tex)	4 SE;hwy W			ABANDONED
Worsham (Taft,Tex)	0.8 ENE;hwy S	54	20 L S6	80 oct. Port lgts on req.

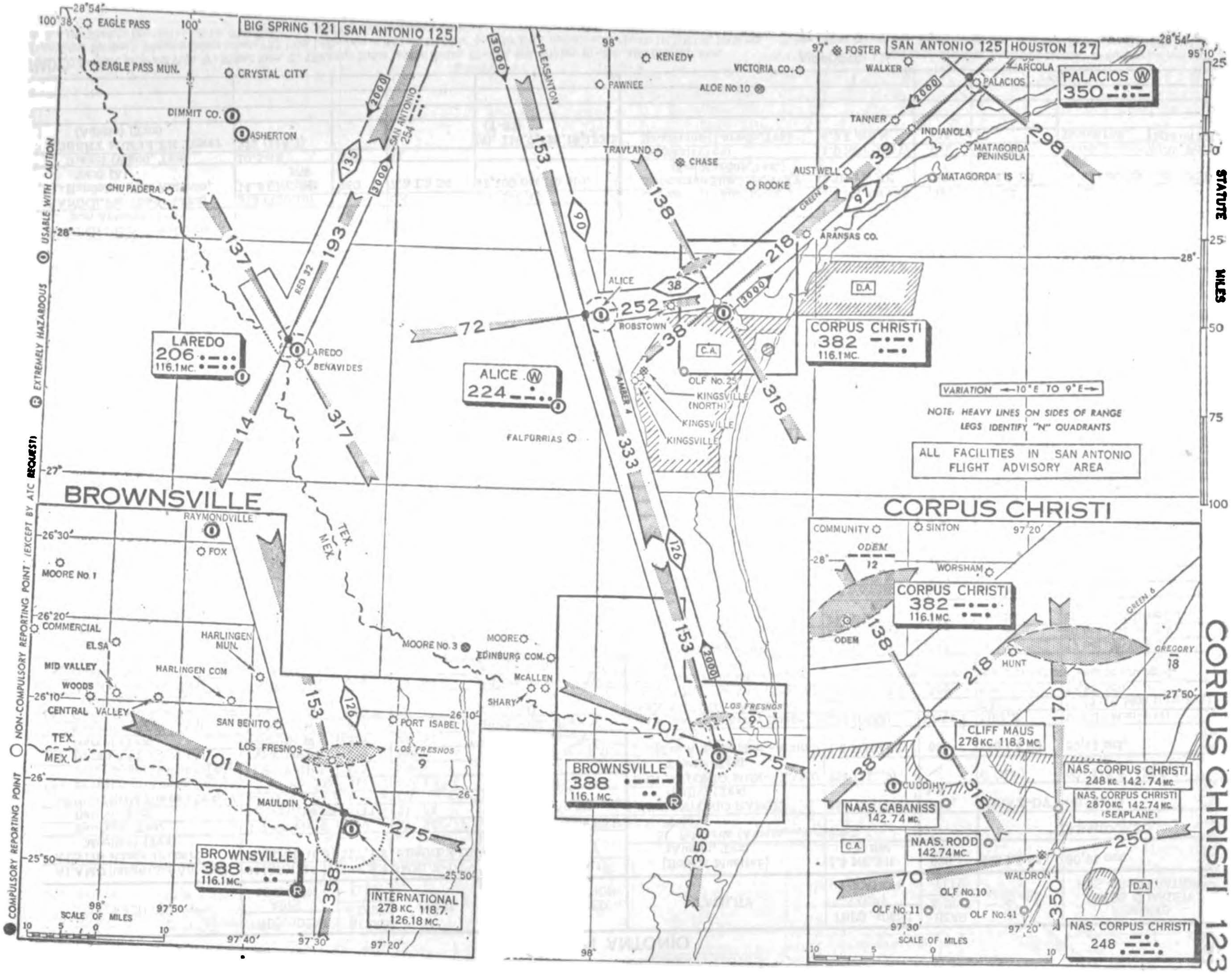
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ INTER-NATIONAL	110.3 •—•—• ••	335	173°	IM-	MM-•—•—(0.66)	OM- ——(4.34)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES				
(P) Aransas Co (Rockport,Tex)	4.3 N;bay W	22	45h	
Robstown Arpk (Tex.)	1 SW;RR S	83	16h	Rough. Use ctn. Cattle on fld.
Odem (Texas)	1.5 SSW;RR W	50	25 S1	80 oct.P-line W. PRIVATE.
Walker (Lolita,Tex.)	1.8 SSW;riv W	14	18 S2	80 oct.P-line N.
Edinburg (Tex)	2.8 W;hwy N,W	90	24 S6	73,91 oct.P-line W,N.

RADIO: S - Simul. Range and Voice. W - Without Voice. 2 - VHF Range Station Location Marker. (2) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs. ⊕ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


EAGLE PASS
EAGLE PASS MUN.
CRYSTAL CITY
DIMMIT CO.
ASHERTON
CHUPADERA
BIG SPRING 121 | SAN ANTONIO 125
SAN ANTONIO 254
LAREDO 206 116.1 MC.
LAREDO
BENAVIDES
ALICE 224
FALFURRIAS
KENEDY
PAWNEE
VICTORIA CO.
ALOE No 10
TRAVLAND
CHASE
ROOKE
ALICE
252
ROBSTOWN
O.F. No. 25
KINGSVILLE (NORTH)
KINGSVILLE
FOSTER
SAN ANTONIO 125 | HOUSTON 127
WALKER
ARCOLA
PALACIOS
PALACIOS 350
TANNER
INDIANOLA
MATAGORDA PENINSULA
AUSTWELL
MATAGORDA IS.
ARANSAS CO.
D.A.
C.A.
CORPUS CHRISTI 382 116.1 MC.
VARIATION 10°E TO 9°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN SAN ANTONIO FLIGHT ADVISORY AREA
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
BROWNSVILLE
RAYMONDVILLE
FOX
MOORE No. 1
COMMERCIAL
ELSA
MID VALLEY
WOODS
CENTRAL VALLEY
HARLINGEN MUN.
HARLINGEN COM
SAN BENITO
LOS FRESNOS
PORT ISABEL
MAULDIN
TEX. MEX.
MOORE No. 3
EDINBURG COM.
McALLEN
SHARY
BROWNSVILLE 388 116.1 MC.
INTERNATIONAL 278 KC. 118.7. 126.18 MC.
SCALE OF MILES
CORPUS CHRISTI
COMMUNITY
SINTON
ODEM
WORSHAM
CORPUS CHRISTI 382 116.1 MC.
HUNT
GREGORY
CLIFF MAUS 278 KC. 118.3 MC.
CUDDIHY
NAAS. CABANISS 142.74 MC.
NAAS. RODD 142.74 MC.
WALDRON
OLF No. 10
OLF No. 11
OLF No. 41
NAS. CORPUS CHRISTI 248 KC. 142.74 MC.
NAS. CORPUS CHRISTI 2870 KC. 142.74 MC. (SEAPLANE)
NAS. CORPUS CHRISTI 248
SCALE OF MILES
STATUTE MILES
CORPUS CHRISTI 123

SAN ANTONIO

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1(Tex.)
AUSTIN Range (Robert Mueller) (Tex)	281(XN)(116.1)	117°,1.8	SBMRLZ-DIV	(3); 116.1, 122 1
Bandera (Tex)	1.7 SE;riv N	1250	27 S6	80 ,91 oct.P-line ENE
Belton (Tex)	1.6 WSW;hwy N	511	21 S1	73, 80 oct. No sto.
BERGSTROM Tower (Tex)	396 (126.18)+		CA	(4); 126.18
(A) Bergstrom (Austin,Tex)(A)	7.5 SE;riv NE	515	65h L5 S6	73,100 oct. JP-1.
[Blackland#1](Waco,Tex)	11 WSW;RR S	575	55h	
(A) Bryan AAF (Tex) (A)	7 SSW;riv SSW	264	55h	TMP INACT.NO FACS
Burnet (Tex)	2 NE;RR W	1325	21 S1	80 oct.P-line SW.
Cameron Arpk (Tex)	1.7 N;RR W	402	29	Bldg NNE. Hwy W.
(A) Camp Hood Landing Field (Killeen, Tex) (A)	2 NE	920	36	CLOSED.
Coulter (Bryan, Tex)	4 NE;hwy NW	360	22 S6	80 oct. 5' fence SW.
Cuero (Tex)	3.1 N;riv 1 W	195	53 S6	80,91 oct. Port lgts prior req.
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel
(P) Draughon-Miller (Temple, Tex)	5.5 NW;rd SW	675	54h L5 S1	80,91 oct. No flood lgts.Ctc lgts on req.
(P) Easterwood (College Station, Tex)	2.8 SW	320	52h S6	80 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
→ Edgerton (Cuero, Tex)	2.9 E;hwy SW			ABANDONED.
Edna (Tex)	1.5 ENE;RR NW			ABANDONED
Foster #4 (Victoria,Tex)	12.5 NNW	186	56h	lgts prior req
Garner (Uvalde, Tex)	2.7 E;hwy NW	930	17h L S6	80,91 oct. Port rnwy
(P) Georgetown (Tex)	3.3 N;hwy E	789	41h L5 S4	80, 91 oct.
Groesbeck (Tex)	1.5 E;hwy S	477	21 S1	73 oct.
Haile (Austin, Tex)	4.1 NE;RR NE	725	23 S6	80,91 oct.P-line E
* Hammond Int,16,GS-WC	2.5 SSE;RR W	393	30 L3	(Tex) SE.
Hearne (Tex)	0.8 SE;RR E	305	22 S1	80 oct.P-lines NE,E,
Hefner (El Campo, Tex)	1.5 WSW	104	41 L S6	80 oct. Port rnwy lgts.P-line NNE,SSW
(A) Hondo AAF (Tex) (A)	2.1 NW;RR S	929	61h	CLOSED.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio, Tex) (A)	6.8 SW;RR NE	675	75h L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEAR.STI
Killeen (Tex)	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
(P) Lampasas Co.(Lampasas)	6 NW;RR S	1480	42 S2	80 oct. (Tex)
(P) Llano Co. (Llano, Tex)	2.4 NNE	1029	40 S1	73 oct. Riv NE.
Louise (Tex)	1.6 E;RR W			ABANDONED
(P) Louis Schreiner (Kerrville, Tex)	See Kerrville Airport under "New Facilities"-name changed			
(P) Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
Newland (Waco, Tex)	4.5 SSE	410	25 S6	80, 91 oct. RR NE.
RANDOLPH Army Range (San Antonio)(Tex)	359 (DRQ)	322°, 2.0	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio, Tex) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riesel (Waco, Tex)	10.5 SE	371	51	
ROBERT MUELLER Tower (Austin) (Tex)	272 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
[Robert Mueller] (Austin, Tex)	3.5 NE;RR SW	620	46h L5 S6	80,91 oct.
St. Edwards (Austin, Tex)	3.5 S			ABANDONED.
SAN ANTONIO RANGE (Kelly) (Tex)	254(ZN)(116.1)	107°, 1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO Tower (Tex)	278 (118.5)		C (ILS)	(4); 118.5, 122.5, 126.18
[San Antonio Mun.-Alamo] (Tex)	7.8 N;RR SE	800	55h L6 S2	80,91 oct.
SAN MARCOS Army Range	266 (DMS)	170°,4.2	MRLZ	V(6-18 Mon-Fri)
SAN MARCOS AAF Tower	317		CA	(3) (6-18 Mon thru Fri)
(A) San Marcos AAF (Tex)(A)	5 E;riv 1.4 W	596	63h L5 S1	73,91 oct.
* San Marcos Int, 31B, JI-FV (Tex)	See Thompson under "New Facilities"-name changed.			
Schulenburg (Tex)	2.2 N;hwy W	344	20 S4	73 oct. P-line W.
Scott (Gatesville, Tex)	1.8 E;hwy N	780	25 S1	80 oct.P-line NW.
Stephens (Marlin, Tex)	2 ESE;RR N, SSW	318	19 S2	80 oct.Cattle on fld. Pole W.
Taylor (Tex)	2.2 WNW;RR S	520	24 S4	73 oct.
White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
Woodson (Temple, Tex)	2 NNW;hwy SW	763	28h S4	80 oct.
YOAKUM H Fac (Int.)(Tex)	236 (YK)	352° 2.8	HW	
* Yoakum Int,7,JR-HU(Tex)	5 NW;hwy S	387	39 L3	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

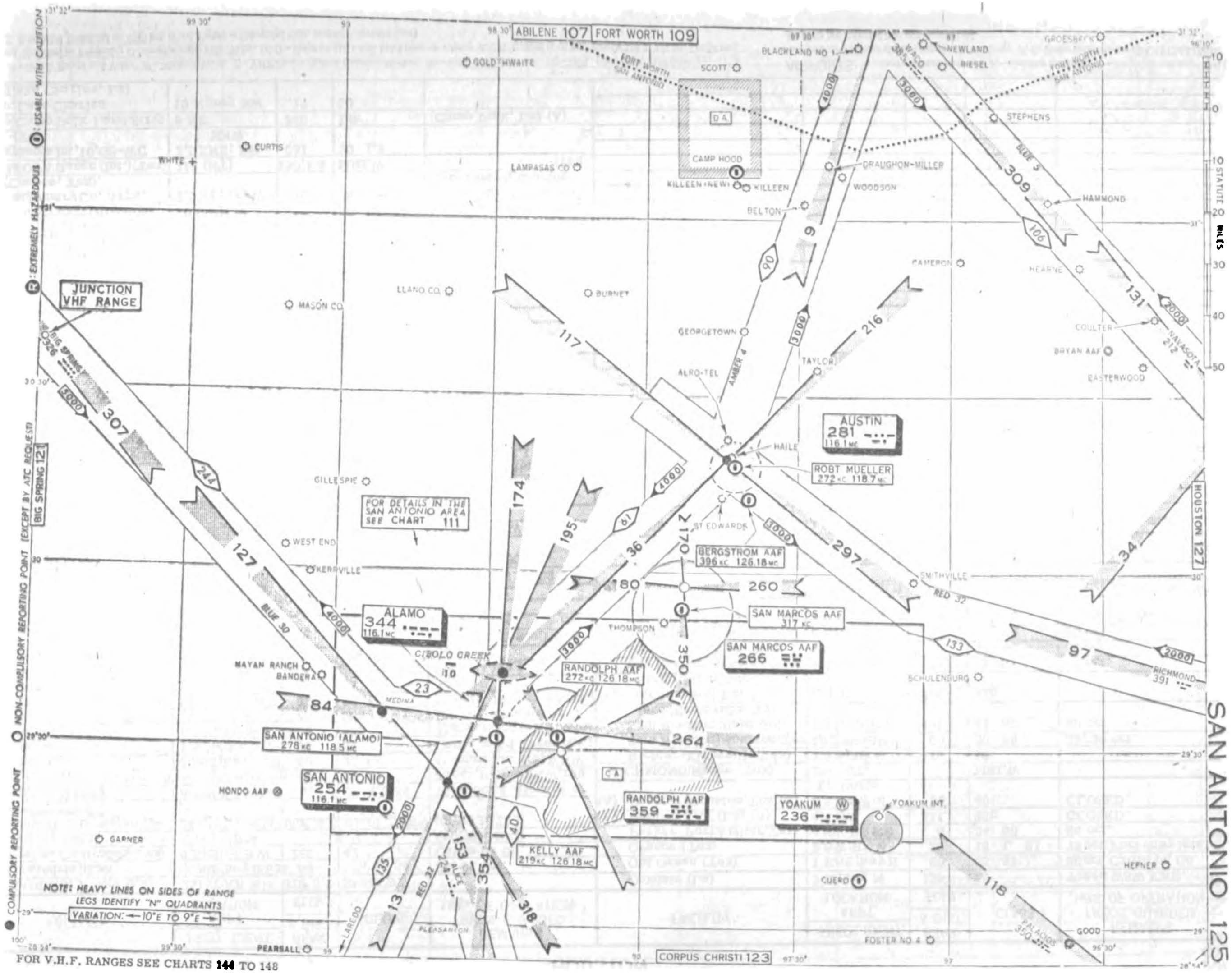
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALAMO	109.9	333.8	30°	IM-	MM- •-•-• (0.68)	OM- — — (4.38)
					MMK-	OMK-230 •— — —
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Edna (Tex,	See Good under "New Facilities"- name changed.			
Killeen-new (Tex)	1.6SE;RR,hwy N	833	25 S1	80 oct.
Smithville (Tex)	2.5 SE;lake NW	324	18 S1	80 oct. P-line ENE SW
(P) Kerrville (Tex)	5.8 SE;RR SW	1590	44h L5 S6	80,91oct.No f-lgts.P-line
Good (Edna,Tex)	2 ESE;hwy S	60	18 S1	80 oct.
Mayan Ranch(Bandera,Tex)	0.7 W;riv N	1230	25 S2	80 oct.Trees NNE,SSE,NW
St Edwards(Austin,Tex)	4 S;RR N	700	23 S4	80 oct
Aero-Tel(Austin,Tex)	7.5 N;plant 1 N	720	22 S6	80 oct Trees SSE,W
→ Goldthwaite (Tex)	2.6 WSW;hwy NW	1500	35 S2	80 oct.P-line W.
Faust(New Braunfels,Tex)	2.5 NE;RR NW	720	44 S4	80 oct.P-line SW,NW
West End(Kerrville,Tex)	1.9 NW;hwy SW	1645	20 S6	80 oct P-line SE,SSE
Gillespie(Fredericksb'g)	3.1 SW;hwy SE	1742	42 S3	80 oct. (Tex)
Thompson Site 51B,JI-FY (San Marcos,Tex.)	2 SE;riv NE	577	29 L3 S6	80,91 oct,Trees NE,ESE, SW.
Pearsall (Tex)	1.9 NNE;RR W	645	23 L S4	80 oct.P-line WNW.Port
Benavides (Laredo,Tex)	4.3 E;RR N	545	25	Brush NW. lgts on req.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs. ◆ A.A.C.S.-Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) →New or revised data. [Jones]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 148

HOUSTON

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALEXANDRIA Range (La)	251 (DAI)	310°,5.7	SMRAWZ	
(P) Alexandria (La)	6 WNW;hwy 0.8 N	88	70h L5 S4	80, 91 oct.
Angelina Co.(Lufkin,Tex)	7.5 SSW;RR W	288	42	Cattle on fld.
Bay City (Tex)	2 SSW;RR N			ABANDONED
BEAUMONT Range (Jefferson Co)(Tex)	368(JU)(116.1)	160°,3.7	BMRLZ-DTV	(4);116.1,122.1
Beaumont (Tex.)	6.8 W;bet RRs	31	34 L3 S6	73,80 oct. Fld lgts prior
Carter Fly. Svc (Velasco,Tex)	0.8 NW;RR NE	10	27 S1	80 oct. P-line NNW req.
Damon (Tex)	3 ESE;hwy WSW	60	22	4' fence sur fld WNW
De Quincy (La)	1.5 SW;RR NW	78	24	Cattle on fld. Trees N,E.
(P) De Ridder (La)	3.5 WSW;RR S	203	45h	Lgts on req to Ellington
(A) Ellington (Houston,Tex)(A)	15 SE;RR W	39	52h L5 S1	100 oct. Airways or
(A) Erwin-Newman (Houston, Tex)	5 SSW;hwy N	50	28 S6	80 oct. Houston Arpt.
Eunice (La)	1.7 W;hwy N	45	35 S2	80 oct.
GALVESTON Range (Tex)	263(GS)(116.1)	125°,4.2	SBMRLZ-DTV	(4);116.1,122.1
Galveston (Tex)	3.5 WSW;gulf S	7	60h L5 S6	80,91 oct.
Gulf Coast (Texas City,Tex)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct. No sto. P-line
HITCHCOCK Tower (Tex)	3295		CN	3105 (days) N.
(N) Hitchcock NAF (LTA)(N)	2.3 SW;RR ENE	20	20h	(Tex)
HOUSTON Range (Tex)	322(HU)(116.1)	309°,2.2	SBRAZ-DTV	(3);116.1,122.1
HOUSTON Tower (Tex)	(278)(126.18,118.5)		AC (ILS)	(4);118.5,126.18,122.5
Houston (Tex)	9 SSE;hwy W	50	47h L6 S6	73,80,91,100 oct. P-line W.
Humphrey (Goose Creek)	4 NNE;RR E	34	24	P-line NW,W. (Tex)
Jackson (Cypress,Tex)	4 SE;hwy S	145	25 S6	80 oct.
(P) Jefferson Co.(Beaumont, Tex)	9.8 SSE;hwy NE	15	51h L5 S4	80,91,100 oct. Rnwy ctc lgts on req.
Jennings (La)	1.4 NNW;RR SW	20	32 S4	80,91 oct. P-line E.
LAKE CHARLES MUN Range	242(LC)(116.1)	340°,2.5	SBRAZ-DTV	(4);116.1,122.1
LAKE CHARLES Tower (La)				DECOMMISSIONED
(A) Lake Charles Mun.(La)	4 ESE;RR NE	17	63h L5 S6	80,91 oct.;73,91,100 oct JP-1 for Army.
Lake Charles (La)	5.2 SSW;hwy N			ABANDONED.
Lake Jackson (Freeport)	9.5 NW;hwy E			ABANDONED
Lamar (Beaumont, Tex)	4 SE;riv NE	17	22 S4	80 oct. No sto. P-line N,S.
(P) LeGros Memorial (Crowley, La)	6.5 WSW;RR N	16	43h L5 S2	80,91 oct.
Lufkin (Tex)	2 NW;hwy N	315	31 L1 S6	73,80 oct.
Madisonville Emerg.(Tex)	0.8 NW;hwy E	400	18	
Main Street (Houston,Tex)	6.5 SSW;hwy SE	50	22 S6	80 oct.
McArthur (Alexandria,La)	2.8 W;hwy E,N	86	26 S4	80,91 oct Trees N,S. Rnwy
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct. (Tex) data unver.
(P) Montgomery Co. Arpk. (Conroe, Tex)	3.5 NE;hwy W	245	46h L5 S6	80,91,100 oct. No flood lgts. Rnwy lgts prior
NAVASOTA Range (Int.)(Tex)	212 (NT)	180°,1.4	MRLW	req.
** Navasota Int,10,GS-WC (Tex)	2.5 ENE; RR NNW	331	30 L3	
(A) No.Camp Polk Land Strip	6 NE	340	14h	(Camp Polk, La) (A)
No. Lake Charles (Lake Charles, La)	10 N;hwy NW	17	50	
Oakdale (La)	3 W;hwy N	123	27	Trees WSW,ENE.
Old Ocean (Tex)	1 ENE;hwy N	60	35 S1	80 oct. Cattle on fld.
Orange (Tex)	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur,Tex)	4 NW;RR NE	6	34 S6	80 oct.
(A) Pollock AAF (La) (A)	4.5 SW	211	45h	CLOSED.
(A) Preston (Houston,Tex)(A)	2.5 WNW of La Porte	34	40	CLOSED.
RICHMOND Range (Tex)	391 (UT)		MRLW	
Richter (Kirbyville,Tex)	1.5 S;RR E	175	16	
Sam Houston (Houston,Tex)	10.5 SW;RR S	60	30 S6	73, 80 oct.
Sam Houston State College (Huntsville, Tex)	2.5 NW;RR E	401	24 S2	80 oct.
(A) So.Camp Polk Landing Strip (Camp Polk,La)(A)	Adj E	300	21h	
Sky Harbor (Anahuac,Tex)	0.3 S;hwy N	24	22 S1	80 oct.
Skyport (Houston, Tex)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston,Tex)	6 ENE;RR N	60	30 S4	80 oct.
Tri-Cities (Goose Creek, Tex)	2.6 N;RR E	25	24 S2	80 oct. P-line SE
(P) Wharton (Tex)	1.8 ENE;RR N	100	45 S4	80 oct. P-line NW,NNW.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

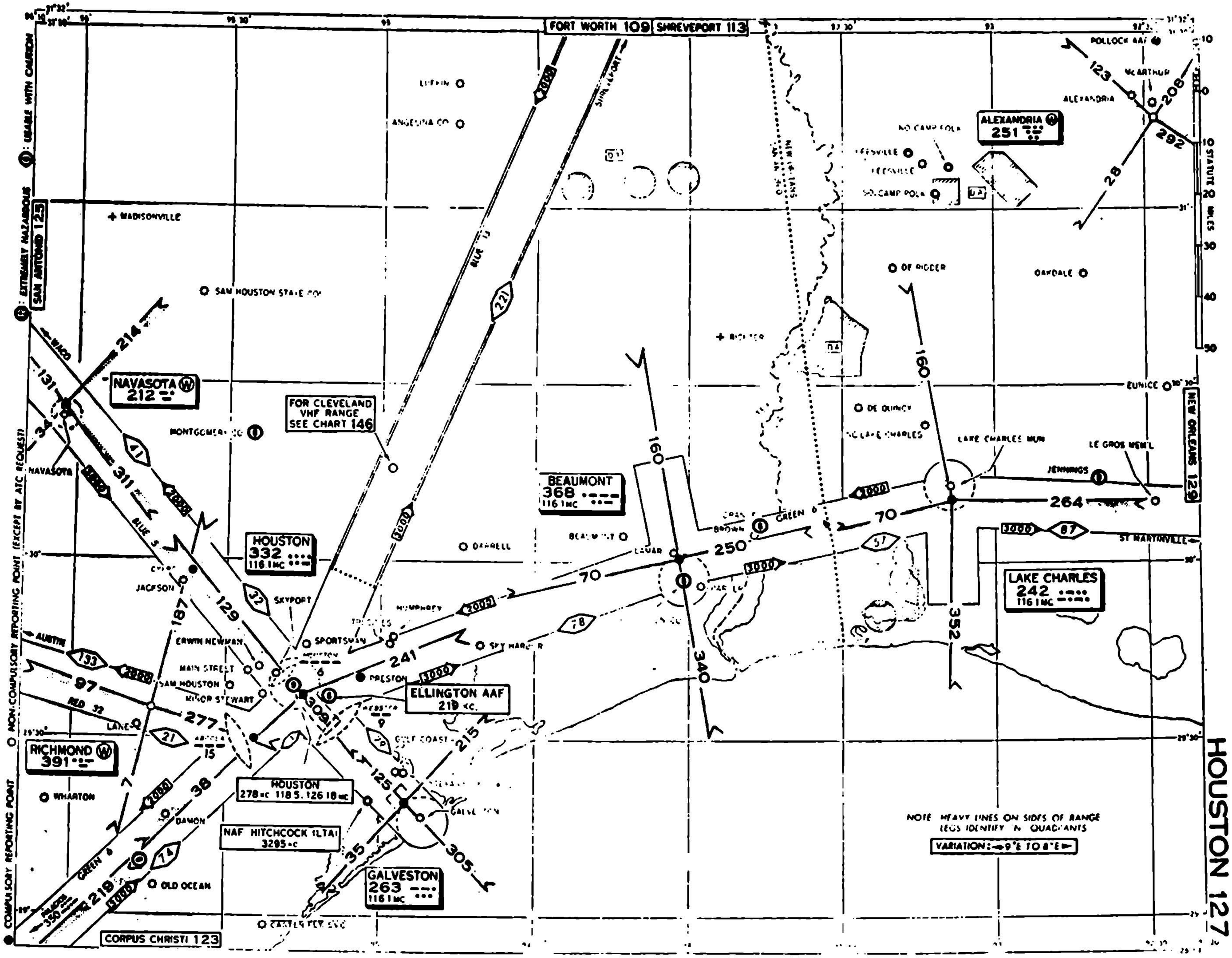
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
HOUSTON	109.9	333.8	35°	IM-	MM- •—•—• (0.66)	OM- ——— (4.78)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
CLEVELAND Range (Tex)	109.1(CL)		VARW	
Brown (Orange,Tex)	3.6 WSW;hwy SE	20	47 S4	80,91 oct. No sto. P-line SE.
Darrell (Liberty,Tex)	4.3 ESE;RR,hwy N	30	29 S1	80 oct. P-line N
Lane (Rosenburg,Tex)	2.5 SE	106	25 S2	80,91 oct. NNW.
Texas City (Tex)	1.8 NNW	8	34 S4	80.91 oct. P-line NE.
ELLINGTON Tower (Houston,Tex.)	219		CA	4495;126.18 (8-17)
Leesville (La)	2 E;hwy N	150	12 S1	80 oct.

RADIO: S–Simul. Range and Voice. W–Without Voice. Z–VHF Range Station Location Marker. (3)–3105, 4495, 6210 kcs. (4)–3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)–Voice on 116.1 and 111.1 mcs. +–Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h–hard surfaced runways. L–Lighting facilities. S–Servicing (see page XIII)
→ New or revised data. [Jones]–Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


FORT WORTH 109
SHREVEPORT 113
HOUSTON 127
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
SAN ANTONIO 123
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
LUFKIN
ANGELINA CO
MADISONVILLE
SAM HOUSTON STATE FOR
BLUE 13
SHREVEPORT
NEW ORLEANS
POLLOCK AAF
MCARTHUR
ALEXANDRIA
ALEXANDRIA 251
NO CAMP POLK
LEESVILLE
LEESVILLE
NO CAMP POLK
DE RIDDER
OAKDALE
EUNICE
DE QUINCY
LAKE CHARLES
LAKE CHARLES MUN
LE GROS MEN'L
JENNINGS
NEW ORLEANS 129
ST MARTINVILLE
WACO
NAVASOTA 212
FOR CLEVELAND VHF RANGE SEE CHART 146
MONTGOMERY CO
NAVASOTA
BEAUMONT 368
116.1MC
BEAUMONT
DARRELL
BROWN
GREEN
LAKE CHARLES 242
116.1MC
HOUSTON 332
116.1MC
JACKSON
SKYPORT
SPORTSMAN
ERWIN NEWMAN
MAIN STREET
SAM HOUSTON
MINOR STEWART
AUSTIN
RED 32
LAKE
ELLINGTON AAF
219
PRESTON
SPY HARBOR
GULF COAST
RICHMOND 391
WHARTON
HOUSTON
278 118.5 126.1 MC
DAMON
NAF HITCHCOCK (LTA)
329.5
GALVESTON 263
116.1MC
OLD OCEAN
CORPUS CHRISTI 123
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY IN QUADRANTS
VARIATION: 9°E TO 8°E
STATUTE MILES
10
20
30
40
50

NEW ORLEANS

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(N) Alvin Callender (New Orleans, La)	9 SSE;RR E	4	50h L5 S4	73,80,91 oct.
BATON ROUGE Range (La) (Harding)	347 (RX)	119°,3.4	MRLWZ	
Bogalusa (La)	2.4 N;RR E	100	35 S6	80,91 oct. No sto. Poles S.
Chapman (New Orleans, La)	8.5 NE;lake N			ABANDONED
* Covington Int,3,NO-LS (La)	6 NNE;hwy W	77	27 L3	Pole line W.
* Donaldsonville Int. 26. HU-NO (La)	3 ENE;hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge, La)	4 E;hwy N,E	56	31 S4	80,91 oct. P-line S.
Ellisville (Miss)	1.3 SW	240	18 S4	80 oct. Trees all appchs.
(A) Esler (Alexandria, La) (A)	11 NE;Bayou S	108	45h	CLOSED
False River (New Roads, La)	1.6 WSW;lake S	30	30 S1	80 oct.
Ferriday (La)	1.5 N;RR,hwy E	55	17	fld.
Girard (Lafayette, La)	2.5 NW;hwy E	39	26 S4	73,80,91 oct. Obst sur
Glendale (Hattiesburg, Miss)	5 NNW;hwy E	200	26 S4	80 oct. Trees sur fld.
Grand Isle (La)	2.6 NE;hwy NW	4	22	
(P) Gulfport Mun(Miss)	3 NE;bayou N	27	70h S4	80 oct.
Gulfport Mun(Old)(Miss)	1.3 N;RR E	30	24	
(P) Hammond	2 ENE;RR S	40	50h L5 S1	80,91 oct. Lgts prior req.
(P) [Harding](Baton Rouge, La)	5.5 N;riv 1 W	70	60h L5 S4	80,91,100 oct.
(P) Harry P. Williams Memorial (Patterson, La)	2 WNW;hwy NW	9	32 L2 S4	80 oct. Trees NW.
(A) Hattiesburg AAF (Miss) (A)	5 SSE;RR SW, NE	145	43h	Poles W,NW. CLOSED
(N) Houma NAS (LTA)(La)(N)	3.1 ESE;RR NE	11	50h	NAVY TEMP INACT.
Iberia Parish (New Iberia, La)	5 NW;RR NE	27	40h L5 S6	73-91 oct.
Joseph H. Sharpe (Natchez, Miss)	See Sharpe Airport under "New Facilities" - name changed			
KEESLER Army Range (Miss)	221 (DOX)	210°,2.9	BMRLZ	(4); 4220
KEESLER Tower (Miss)	201 (126.18)		CA	(4); 4220
(A) Keesler (Biloxi,Miss)(A)	2 WNW;bay N	26	66h L5 S5	100 oct. Rdo rqrd ngts.
K-P (Covington, La)	1.6 NW;hwy adj	27	18 S2	80 oct. P-line E.
LAFAYETTE H Fac. (La)	227(UG)(116.1)		MHTV	(4);116.1,122.1 on req.
Lafayette (La)	1.5 SE;RR W	40	50h L5 S5	80 oct. P-line S. Fld lgts
Laurel (Miss)	3 SW;RR SE	231	55h L S6	80,91 oct. Lgts in emerg.
→ McComb (Miss)	1.3 NW	460	21 L3 S6	80, 91 oct. No bcn. Bndry lgts prior req. Obsts sur field.
→ McLaurin (Miss)	1 NNE;RR E			ABANDONED.
Menefee (New Orleans,La)	See Meraux-Neunez Arpk under "New Facilities"-name changed.			

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
MOISANT Tower (La)	278 (118.3, 126.18)		C (ILS)	(4); 122.5,118.3,126.18
[Moisant International] (N) (New Orleans, La)	11 W;riv 1 S	3	70h L6 S4	91,100 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	
NEW ORLEANS Range (La) (Moisant)	338(NO)(116.1)	271°,3.2	SBRAZ-DTV	(3);116.1;122.1
NEW ORLEANS Tower (La)	382 (126.18)		CA	(4); 126.18
(NG) New Orleans (La)	6.5 NNE;RR S	8	40h L4 S4	91,100 oct.; 80-100 oct, 1-ech main NG.
NEW ORLEANS NAS Tower	323 (142.74)		CN	(3); 142.74 (8-sunset)
(N) New Orleans NAS (La)(N)	4.6 N; on lake	7	34h S1	100 oct. Twr NE.
(P) Opelousas (La)	1.5 NE	35	18	Data unver.
Picayune (Miss)	2.3 NNE;hwy W	92	19 S4	80 oct. P-line W
Pike Burden (Baton Rouge, La)	5 SE	35	50 S1	80 oct. Data unver.
Texaco (New Iberia,La)	2.6 N;hwy W			ABANDONED
* Tylertown Int,7,NO-LS (Miss)	6 SE;rd E	393	40 L3	
Ulmer (Brookhaven,Miss)	1.5 NNE;RR W	500	24 S4	73,80 oct. No sto. P-line
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct. W

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

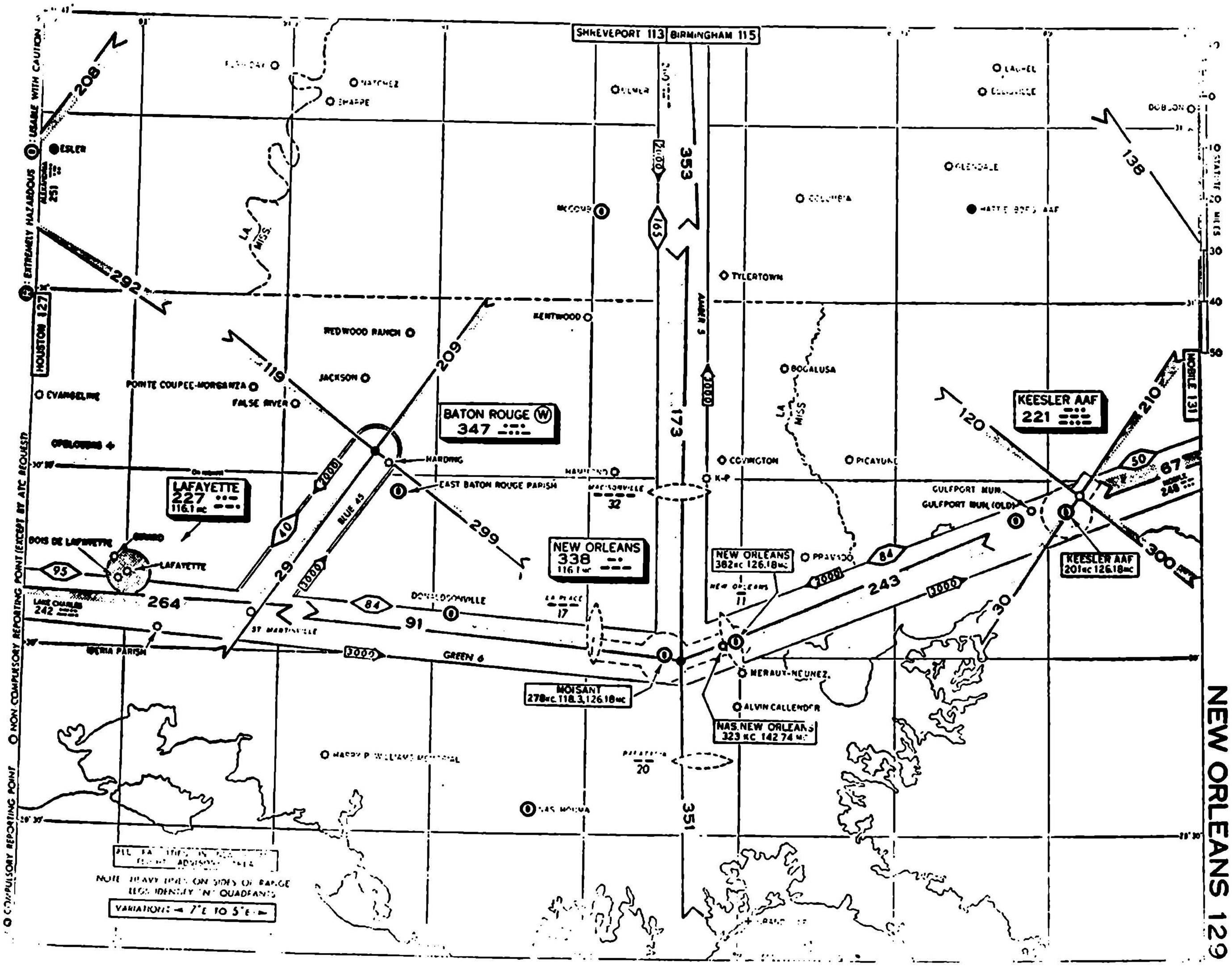
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MOISANT	109.9	333.8	99°	IM- ·····(0,05)	MM- -·-·-(0.67)	OM- --(3.92)
→					MMK-	OMK-254 ·-··
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Pravado(Slidell,La)	1 W;hwy N	9	18 S1	80 oct
Kentwood (La)	0.4 N	100	15 S2	80 oct
Dobson(Bucatunna,Miss)	1 N;hwy W	185	22 S2	80 oct. Trees ENE,SSE, NNW
Sharpe (Natchez,Miss)	1.8 ESE;RR S	27	26 S4	80 oct. N,W blkd
Meraux-Neunez Arpk (New Orleans,La.)	5.2 E;riv S	1	25 S6	80 oct. P-lines S.
Bois de Lafayette (Lafayette,La)	2 SSW;bayou N	59	20	
Point-Coupee-Morganza (Morganza,La)	0.1 S;RR S	35	21	
Redwood Ranch (Wilson,La)	2 SSE;RR .5 E	256	21 S1	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) * - Guarded only when associated tower inoperative.

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



NEW ORLEANS 129

MOBILE

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(A) Alliance #4 (Marianna,Fla)(A)	14 SE	215	50h	CLOSED.
Andalusia (Ala)	1.7 S;hwy W	340	18 S6	80 oct.P-line NW.
(P) Apalachicola (Fla)	2 W;RR N	19	53h	
★ Atmore Int,16,NO-AG (Ala)	6 NW;at rd int.	287	31 L3	
(N) Bagdad OLF (Pensacola,Fla)(N)	14 NE;RR SE	111	18h	Use rnwys.
BARIN NAAS (EAST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-East (Foley,Ala)	2.7 ESE	51	41h	CLOSED (N)
BARIN NAAS (WEST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-West(Foley,Ala)	2.7 ESE	72	34h	CLOSED (N)
(A) Bascomb (Fla) (A)	3.5 NE	120	50h	CLOSED.
[Bates] (Mobile, Ala)	10 W;rd N,S	218	50h L5 S6	80,91 oct.No flood lgts; ctc lgts on req.
(P) Brewton (Ala)	3.5 S;riv N	92	40h	Cattle on fld.
Brewton (old)(Ala)	2.5 N;hwy E			ABANDONED.
(N) Bronson NAAS (Pensacola,Fla)	12 WSW;bay W	27	44h	CLOSED (N)
BROOKLEY Tower (Mobile,Ala)	281 (126.18)+		CA	(4); 126.18
(A) Brookley (Mobile,Ala) (A)	3 SSW;RR NW	26	89h L5 S4	62,73,100 oct. JP-1.
(N) Canal OLF (Foley,Ala)(N)	8 S;rd W	16	36h	FOREIGN CLEARING STN.
Carabelle FlgtStrip (Fla)	2.6 W;hwy S	20	40h	NNW
Chastain's (Prichard, Ala)	2.5 NW;hwy E	50	19 S6	80 oct.SSE blkd,Trees SW
Chipley (Fla)	3.2 SE;RR N	100	26 S6	80 oct.S blkd,Trees N.
(N) Choctaw OLF (Pensacola,Fla)	15 ENE	111	40h	(N)
City Air Park (Panama City)	2.5 N	40	26 S6	80,91 oct.Data unver.(Fla.
CRESTVIEW Range (Fla)	350(HW)(116.1)	263°, 2.6	SBRAZ-DTV	(4);116.1,122.1
→ Crestview, 21, NO-JX (Fla)	2.5 N;RR E	274	33 L3 S6	80 oct.
Davis (Mobile, Ala)	13.5 SW;bcn N.	180	17 S6	80 oct.
De Funiak Springs (Fla)	1 W;hwy N	197	25 S6	80 oct. Obst sur fld.
→ Donalsonville (Ga)	1.5 S	150	40h	
DOTHAN Range (Ala)	233(NI)(116.1)	47°, 3.7	SBRAZ-DTV	(4); 116.1
[Dothan] (Ala)	3 WNW;hwy SE	330	40h L5 S6	80,91 oct.No sto.No flood lgts.
EGLIN Army Range (Fla)	209 (DVQ)	175°, 3.6	MRLPZ	Range cont.; (3); 126.18 (6-24)
EGLIN Tower (Fla)	273 (126.18)+		CA	(3); 126.18 (6-24)
(A) Eglin (Valpariso,Fla)(A)	1.8 SW;hwy SE	71	80h (L5) S4	73,100 oct.JP-1. No sto
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
Ellis (Marianna, Fla)	9.5 N;riv W	116	50h	CLOSED
(N) Ellyson NAAS (Pensacola,Fla)	7.5 NNE;bay E	115	38h	CLOSED (N)
Enterprise (Ala)	0.5 N;hwy W	355	23 S6	80 oct,Trees WSW.
(N) Faircloth OLF (Lillian,Ala)(N)	3 NW;bay E	70	34	All appchs partly blkd.
→ Geneva (Ala)	2.4 NW;hwy S	88	23 S4	80 oct. RR S.
Gulf Airpark (Pensacola,Fla)	See Airpark (Pensacola, Fla.) under "New Facilities"-name changed.			
Headland (Ala)	2 NE;hwy N	350	48	
(N) Helm OLF (Pensacola,Fla)(N)	12 NW			ABANDONED.
(N) Holley OLF (Fla) (N)	1.5 S;riv N	37	36h	
Jackson Co. (Pascagoula,Miss)	3.5 ENE	16	45h S6	80,91 oct.
(N) Kaisers Tract OLF (Elberta, → Ala) (N)	3.3 ENE;hwy S	90	20	Trees NE,S,W
Luverne (Ala)	1.7 NNW;hwy SW	300	20 S4	80 oct.P.line W.E blkd.
(N) Magnolia OLF (Foley,Ala)(N)	5.4 NW	83	29h	
(A) Malone #2 (Marianna,Fla)(A)	15.5 N	154	50h	CLOSED.
→ (P) [Marianna](Fla)	6 NE;hwy E	112	50h L5 S6	80,91 oct.
(P) Middleton (Evergreen,Ala)	6 WSW;hwys 3 E	258	40h L1	
(P) Milton "T" (Fla)	3.5 ENE;RR S	150	53 S6	80 oct.E,S,W blkd.
MOBILE Range (Ala)(Brookley)	248(MS)(vhf)	138°,3.2	SBRAZ-DTV	(3);116.1,122.1
(P) Napier (Dothan, Ala)	7.5 NW;RR S	397	45h	
(A) Ozark AAF (Ala) (A)	12 SSW	305	46h	TMP INACT,NO FACS.
Panama City (Fla)	5 NW ;bay W	4	19 S4	80,91 oct.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
PENSACOLA Range (Fla)	326(KH)(116.1)	340°,2.1	SBRAZ-DTV	(4); 116.1,122.1
(P) [Pensacola] (Fla)	4 NNE;bay E	121	50h L5 S6	80,91 oct.
Pensacola Arpk (Fla)	4 NW;hwy E	90	34 S1	80 oct.Allway fld.
PENSACOLA NAS-CHEVALIER Tower (Fla)	382 (142.74)		CN	(4); 142.74 (sunrise-30 min. after sunset)
PENSACOLA NAS-CHEVALIER (Seaplane) Tower (Fla)	2870 (142.74)		CN	3105;142.74 (730-1630 except Sat,Sun,and holidays)
(N) Pensacola NAS-Chevalier(Fla)	5.3 SW;RR W	9	26h L S6	91 oct.Flood,obst lgts.(N)
PENSACOLA NAS-CORRY Tower	341 (142.74)		CN	3105; 142.74
(N) Pensacola NAS-Corry (Fla)(N)	5 WSW;hwy SE	32	43h L4 S6	91 oct.Obsts N,E,W.
(N) " OLF #1 (N) (Fla)	14 NW;riv 3 W	100	46	ABANDONED.
(N) " OLF #5 (N)	10 NNW;RR W	115	57	ABANDONED.
(N) " OLF #6 (N)	10 NNW;RR E	110	48	ABANDONED.
(N) " OLF #7 (N)	7 NW	103	37	ABANDONED.
(N) " OLF #8A (N)	13 NW	100	73	
(N) " OLF #9K (N)	11.5 NNW;RR E	110	50	ABANDONED.
(A) Reynoldsville (Ga) (A)	0.9 SSW	110	30h	CLOSED.
(N) Santa Rosa OLF (Milton,Fla)	6 E;rivs N,S,W	150	45h	(N)
SAUFLEY NAAS Tower (Fla)	275 (142.74)		CN (GCA)	3105,4495; 142.74
(N) Saufley NAAS (Pensacola,Fla)	8.5 WNW;bay SW	85	61h L5 S4	100 oct. NATS. (N)
(N) Silverhill OLF (Ala) (N)	3.5 WNW	129	30h	
Skyland (Panama City,Fla)	Within city W	12	20 S6	80 oct.No sto.P-line S.
Southern Airmotive (Dothan)	2 SE;hwy SW			ABANDONED.
(N) Spencer OLF (Pensacola,Fla)	15 NNE;bay S	145	18h	(N)
(N) Summerdale OLF (Ala) (N)	3.5 ENE;RR W	129	29h	CLOSED
TYNDALL Army Range (Fla)	203 (DKE)	313°, 2.8	MRLZ	(3); 126.18 (V, 6-24)
TYNDALL Tower (Fla)	272 (126.18)		CA	(3); 126.18 (6-24)
(A) Tyndall (Panama City,Fla)(A)	8 SE;Gulf SW	16	61h L5 S6	73,91,100 oct.
WHITING Navy Range (Fla)	524 (AWT)	130°, 3.2	MRLWZ	
WHITING NAS-NORTH Tower	269 (142.74)		CN	3105,4495; 142.74 (Fla)
(N) Whiting NAS-North (Milton,Fla)	6 N	200	60h (L6) S4	73,91,100 oct. (N)
WHITING NAS-SOUTH Tower				DECOMMISSIONED
(N) Whiting NAS-South (Milton,Fla)	5 N	178	60h	Use N Fld.INACTIVE.(N)
(N) Wolf OLF (Elberta,Ala). (N)	5.8 SE	54	30h	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

BATES tower(Ala)	317(118.9)		C	(4);118.9,122.5 [prior req.
Flomaton (Ala)	2 NNE;RR 1 E	240	16 L S4	80 oct.P-line W.Strip lgts
Hutchinson's Avia.Port.	9.5 WNW	10	19 S4	80,91 oct.P-line S(Panama
→ Sandpiper(Port St.Joe,Fla)	1 E	20	22 S6	80 oct. City,Fla.)
Headland (Ala)	2 ENE;hwy NW	350	48 S1	80 oct.
Oak (Foley,Ala.)	6 S;riv W	35	20 S6	80 oct.Trees E.
McKee (Jackson,Ala)	1.1 N;hwy E	60	17 S2	80 oct.S blocked.
Robertsdale (Ala)	1.3 E;RR W	142	19 S4	80 oct.P-line E.
Airpark (Pensacola,Fla.)	4.5 WNW;hwy SW	70	20 S1	80 oct.
Edwards (Pensacola, Fla.)	3 W;RR W	70	30 S6	80 oct.
Oak (Foley, Ala.)	6.0 S;riv N.	35	20 S6	80 oct.Trees E.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

BIRMINGHAM 115 | ATLANTA 117

MOBILE 131

MOBILE 248 ▪▪▪ 111 1,116.1 MC

BROOKLEY AAF 281 KC 126.18 MC

BATES 317 KC 118.9 MC

NAAS SAUFLEY 275 KC 142.74 MC

NAS. WHITING 524 ▪▪▪

NAS. WHITING (NO) 269 KC. 142.74 MC.

NAS. PENSACOLA - CORRY 341 KC. 142.74 MC.

NAS. PENSACOLA - CHEVALIER 382 KC. 142.74 MC.

SEAPLANE 2870 KC. 142.74 MC.

PENSACOLA 326 ▪▪▪ 116.1 MC.

CRESTVIEW 350 ▪▪▪ 116.1 MC.

DOTHAN 233 ▪▪▪ 116.1 MC.

EGLIN AAF 209 ▪▪▪

EGLIN AAF 278 KC 126.18 MC

TYNDALL AAF 272 KC 126.18 MC

TYNDALL AAF 203 ▪▪▪

OLF'S TO NAAS BARIN	
+ 10	CANAL
+ 11	MAGNOLIA
+ 12	SILVERHILL
OLF'S TO NAAS BRONSON	
+ 13	KAISER
+ 14	WOLF
+ 15	FAIRCLOTH
OLF'S TO NAAS ELLYSON	
+ 16	BAGDAD
+ 17	SPENCER
OLF'S TO NAS WHITING	
+ 18	HOLLEY
+ 19	SANTA ROSA
+ 20	CHOCTAW

VARIATION: 5°E TO 3°E

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

● COMPULSORY REPORTING POINT ○ NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS ⓤ USABLE WITH CAUTION

STATUTE MILES

JACKSONVILLE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALBANY Range (Ga) (Turner Aux. Field No. 1)	254(GY)(116.1)	298°,2.3	BMRLZ-DTV	(4);116.1,122.1 (DTV stn letd at Albany Arpt)
[Albany] (Ga)	4 SW;RR N	196	49h L5 S6	80,91 oct.
ALMA Range (Ga)	242 (AJ)(116.1)	144°, 2.2	SBRAZ-DTV	(4); 116.1, 122.1
→ Alma, Sta #3, MM-AG (Ga)	2.5 W;hwy N	200	43 L3 S1	80 oct.P-line NW.
→ Ashburn (Ga)	1.5 SE;RR,hwy W	430	18 S2	80 oct.
(A) Babcock (Boykin,Ga) (A)	3.5 ENE	145	30h	CLOSED.
→ Bainbridge (Ga)	7 NNW;RR NE	141	50h S6	80 oct.
Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
(A) Bemiss #3 (Valdosta,Ga)(A)	12 NE;hwy SE	198	50	TMP INACT,NO FACS.
(N) Bostwick OLF (Fla) (N)	1 NW;RR E	53	34	CLOSED
Bowser (Baxley, Ga)	2.5 S;hwy W;RR N	205	21 S1	80 oct.
Bradenton (Fla)	0.5 S;RR NE	20	24 S1	80 oct.Trees W.Poles SW
(N) Branan OLF (Jacksonville,Fla)	14.5 SW	73	40h L	B-2 lgts. (N)
BRUNSWICK H Fac. (Ga)	230(BS)(116.1)		MHTV	(4);116.1,122.1
Brunswick Arpk (Ga)	2.5 NNE;RR W	14	26 S2	80,91 oct Trees NE.
Bunnell (Fla)	3.3 E	34	50h	
Camilla (Ga)	1.4 NW			ABANDONED
CECIL NAAS Tower (Fla)	201 (142.74)		CN	3105;142.74 (Flying hrs)
(N) Cecil NAAS (Jacksonville,Fla)	16 WSW;hwy NW	80	50h L5 S4	100 oct. Trees sur fld. (N
→ Civil Air Patrol (Waycross,Ga)	2.6 WSW;RR N	140	22 S6	80 oct.
Commodore Decatur	2 WNW;hwy N	103	40h S1	80 oct. (Bainbridge,Ga.)
Conway Arpk (Starke,Fla.)	1 W;RR E	165	20 S1	80 oct.Obst sur fld.
Cook County (Adel, Ga)	1.3 W;hwy N,S	220	40h S6	80, 91 oct, SW blkd.
Craig (Jacksonville, Fla)	9 E;riv N	41	40h L5 S6	80,91 oct.
→ CROSS CITY (AAF) Range (Fla.)	269(FC)(116.1)	315°,2.7	SBMRAZ-DTV	(4);116.1,122.1
(A) Cross City AAF (Fla) (A)	1 SE; RR SW	42	50h L4	CLOSED.
DALE MABRY Tower (Fla)	281 (118.3,126.18)		C	(4); 126.18,118.3,122.5
(P) [Dale Mabry] (Tallahassee,Fla)	3 W; RR S	70	53h L5 S6	80, 91 oct.
Darien (Ga)	0.8 SE;riv S	30	14 S1	Ltd 80 oct, Trees W.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) [Daytona Beach](Fla.)	2.8 SW;hwy S	34	41h L5 S6	80,91 oct. Ctc & rnwy lgts on req.
Faceville (Ga)	3.5 S			ABANDONED.
(P) Fernandina (Fla)	4 S;ocean E	15	52h S6	80 oct.
→ Fitzgerald (Ga)	2 SSW;RR W,E	365	21 S4	80 oct.Trees SSW.
(N) Flemings Island OLF (N)	17.5 SSW	23	40h L	B-2 lgts.(Jacksonv'l,Fla)
Folkston Int,37,MM-AG (Ga)	0.7 WNW;hwy E	82	20 L3	P-line NE,SW,NW
GLYNCO NAF Range (Ga)	520 (NEA)	239°,0,3	MRLZ	3105,6390(V- 0730-16)
GLYNCO NAF Tower (Ga)	317 (142.74)		CN	3105,4495;142.74(0730-16)
(N) Glynco NAF (LTA)(Ga)(N)	6.4 N Brunswick	25	38h L1 S4	91,100 oct, Hwy SE.
(A) Harris Neck AAF (Ga)(A)	7 E S.Newport	22	54h	CLOSED.
Hart (Jacksonville, Fla)	6.5 W;RR S	20	40 S6	80,91 oct.Trees sur fld.
→ Herlong (Jacksonville, Fla)	See Jacksonville Mun #3 under "New Facilities" - name changed			
Homerville Flight Strip (Ga)	1.7 NW;hwy NE	185	40h	
JACKSONVILLE Range (#1)(Fla)	344 (JX)(116.1)	269°,1.7	SBRAZ-DTV	(3); 116.1, 122.1
JACKSONVILLE #1 Tower (Fla)	278 (126.18,118.5)		AC (ILS)	(4);122.5,126.18,118.5
(P) [Jacksonville#1](Fla.)	6.3 N;RR W	52	71h L6 S6	80,91 oct. Hangar W.
JACKSONVILLE NAS Range (Fla)	365 (NIP)	89°,3.1	MRLZ	
JACKSONVILLE NAS Tower (Fla)	323 (126.18,142.74)		CN	(3); 126.18, 142.74
JACKSONVILLE NAS (Seaplane Tower) (Fla)	2870		CN	2870,3105 (avail.during working hrs. and on 1 hr's advance notice).
(N) Jacksonville NAS (Fla) (N)	7.2 S;riv E,N	20	60h L5 S6	91, 100 oct. NATS.
Jasper, 43, NO-JX (Fla)	3.5 SSE;RR NE	148	36 L3 S1	80 oct.Poles W.
Jesup (Ga)	2.3 NE;RR E	100	26	50'trees ends all strips.
(P) Kay Larkin (Palatka, Fla)	3 NW;RR S	56	50h L5 S1	80,91 oct.
(A) Keystone (Keystone Heights, Fla) (A)	4.5 NNW;RR W	192	50h	CLOSED.
(N) Lake Butler OLF (Fla) (N)	2 SSW;RR NW	131	60h	CLOSED
→ Lake City (Fla)	3.7 ESE;RR S	201	67h S6	80 oct. Eng. reprs.only.
Lake Jackson (Tallahassee, Fla)	9 NNW;riv NW	250	26 S4	80 oct. Obst sur fld.
(A) Lake Park #2 (GA)(A)	1 SSW;hwy N	220	48	TMP INACT.NO FACS.
LEE OLF GCA (Fla)			GCA	Contact Navy Jacksonville Tower or Radio
(N) Lee OLF (Green Cove Springs, Fla) (N)	2.2 SE; riv N	22	51h	
Live Oak (Fla)	1 W;RR W			ABANDONED
MAYPORT CGAS (Fla)				DECOMMISSIONED.
(CG) Mayport CGAS (Fla) (CG)	0.6 NNE;riv N	16	43h	INACTIVE.
(N) Middleburg OLF (Fla) (N)	3 NNE;rds E,SE	34	32	CLOSED
(A) Montbrook AAF (Williston,Fla)	3.2 SSW;hwy E	70	70h	CLOSED. (A)
Monticello (Fla)	1.5 SW;hwy E	160	25	
(A) Moody (Valdosta,Ga) (A)	11.5 NNE;RR W	233	50h	TMP INACT,NO FACS.
(A) Moultrie (Ga) (A)	7 S;RR,hwy W.	287	40h	CLOSED.
Nashville (Ga)	1.3 ENE;RR S	236	31 S4	80 oct,NE,SW blkd.
Northside (Moultrie, Ga)	3.2 NNW;RR W	300	30 S4	80 oct. No sto.
Perry (Fla)	3.2 S;RR E	45	50h S4	80, 91 oct.
Pierson Memorial (Fla)	0.5 N;hwy,RR W	70	21	
Quincy (Fla)	1.5 NE;hwy S	212	35 S6	80 oct. SE,WSW blkd.
(A) Rocky Ford #1 (Valdosta,Ga)	16 SW;hwy N	220	47h	CLOSED. (A)
St. Augustine (Fla)	4 NNW;hwy W	10	42h S6	80, 91 oct.
St. Marys (Ga)	1.7 NNW;riv S	24	50h	Cattle on fld.
ST. SIMONS ISLAND NAS Tower (Ga)				DECOMMISSIONED
(N) St.Simons Island NAS (Ga)(N)	See Malcolm-McKinnon under "New Facilities" - name changed.			
Sky Haven (Albany,Ga)	1.5 SSW;hwy E	200	26 S4	80 oct.P-line WNW.
Sawyer (Palatka, Fla)	2.6 SW;riv 2 S	60	25 S4	80 oct.
(P) South Georgia College (Douglas, Ga)	1.3 S;RR W	255	60 S6	Pwrline E.
Spence (Moultrie, Ga)	5 SE;hwy W	292	50h S6	80, 91 oct.
Stengel (Gainesville, Fla)	4 WSW;RR SE	70	47 S6	80, 91 oct.
(N) Switzerland OLF (Fla) (N)	1.5 SE	31	40h	CLOSED
TALLAHASSEE Rng (Dale Mabry)	335 (TJ)(116.1)	85°,2.7	SBRAZ-DTV	(3); 116.1, 122.1 (Fla)
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct. No flood lgts.
Tennile (Fla.)	2.2 SSW;rd E	35	20	Trees SW
→ Terrell Co. (Dawson,Ga.)	2 SE;hwy N	353	21	S blkd. INACTIVE
(P) Thomasville (Ga)	8.5 ENE;hwy S	264	50h S1	91 oct.
→ Thomasville com. (Ga)	1 SW;RR N	250	42 S2	80 oct. P-lines NW
Three "B" (Fitzgerald,Ga)	1.5 N	515	27 S6	80,91 oct.
Tifton Mun. (Ga)	2.3 SE;hwy W	343	50h L5 S6	80,91 oct. Lgts prior req
Tomoka (Daytona Beach, Fla)	See Ormond under "New Facilities" - name changed.			
(A) Turner (Albany, Ga) (A)	4 ENE;riv N	215	76h	TMP INACT,NO FACS.
Vada (Ga)	1.5 WNW;hwy E	140	40h	CLOSED.
→ Valdosta (Ga)	3.7 S;RR W	226	56h L5 S1	80 oct. Lgts prior req. No flood lgts.
(A) Waycross AAF (Ga) (A)	4 NW;hwy E	141	50h	CLOSED.
(N) Whitehouse OLF (Jacksonville, Fla) (N)	13 W; RR S	102	40h L	B-2 lgts.
Williams (Jacksonville, Fla)	3.3 WNW;RR E	25	18 S6	80 oct. No sto. P-line E.
Witt (Lake City, Fla)	2 WSW;hwy S	200	36 S4	80 oct. No sto.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

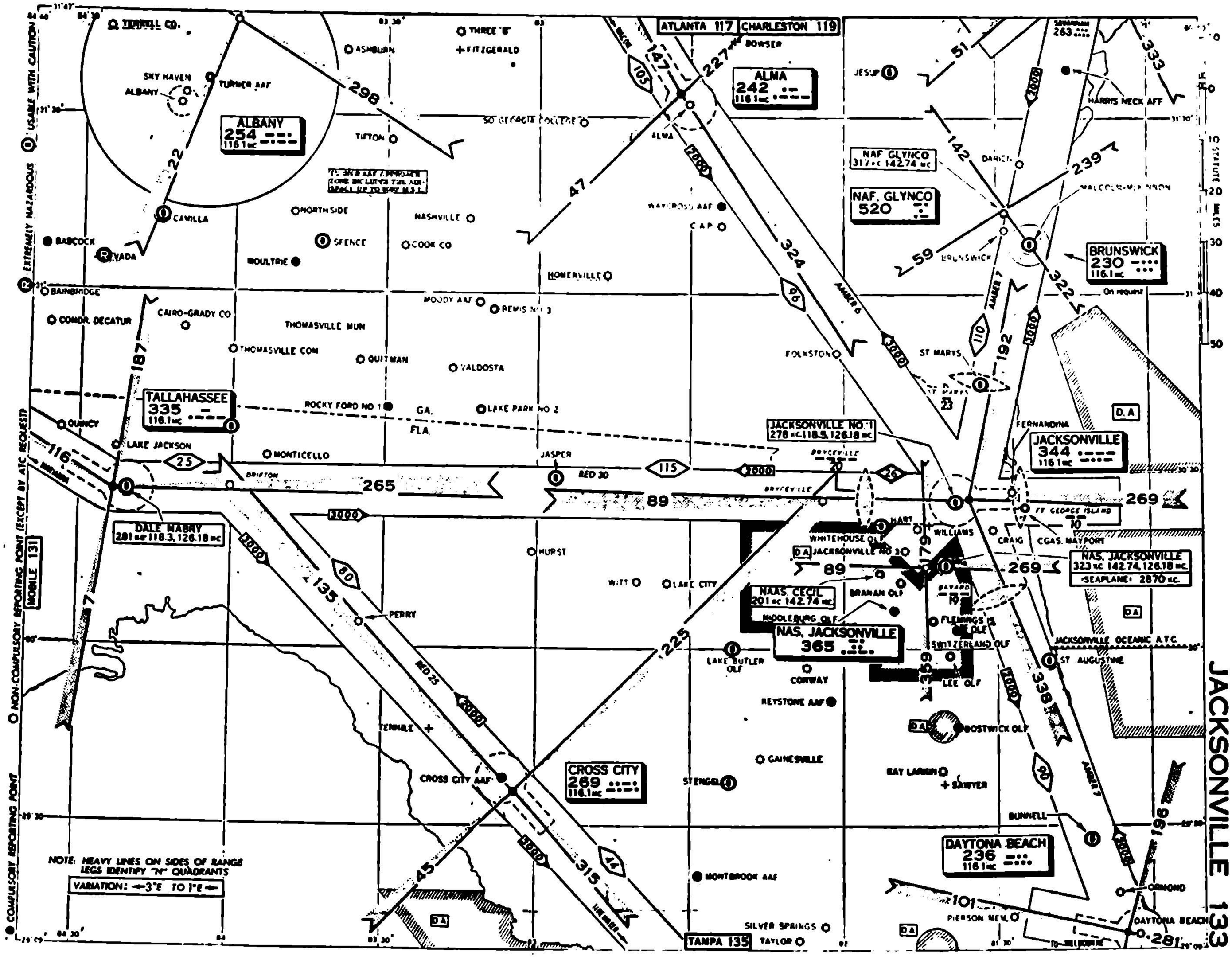
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
JACKSONVILLE #1	110.3	335	44°	IM-	MM- ·—·—(0.66)	OM- ——(4.60)
					MMK-209 ——·——	OMK-251 ——·——
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Cairo-Grady Co. (Ga)	3.3 ENE	245	21	Trees SW. W.
→ Jacksonville Mun #3 (Fla)	9 SW;hwy adj	87	40h S2	80,91,100 oct. on req.
→ Quitman Flgt Strip (Ga)	2.4 NW;pond 0.5 E	180	18	
[Gainesville Mun] (Fla)	4.5 NE;RR W	155	50h L5 S4	80,91 oct. Lgts prior req.
Silver Spgs Aero Lodge (Fla)	0.3 W;RR 1 WSW	75	26 S1	80 oct P-lines SE,S Lgt planes only.
Hurst (Live Oak, Fla)	2.5 SW;rd NW	105	26 S6	80 oct P-line N,NW
→ [Malcolm-McKinnon] (Brunswick, Ga)	6 E	19	41h L5 S6	80,91 oct. Lgts on req. No bndry or flood lgts.
Ormond (Fla.)	3.5 WNW;RR N	29	40h S4	80 oct. Ctn, stock on fld.
Camilla (Ga.)	2.2 WSW;hwy N	180	39 S4	80,91 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ATLANTA 117 CHARLESTON 119
ALBANY 254 116.1
ALMA 242 116.1
TALLAHASSEE 335 116.1
BRUNSWICK 230 116.1
On request
NAF GLYNCO 317 142.74
NAF. GLYNCO 520
JACKSONVILLE NO. 1 278 118.5, 126.18
JACKSONVILLE 344 116.1
DALE MABRY 281 118.3, 126.18
NAS. JACKSONVILLE 323 142.74, 126.18
SEAPLANE 2870
NAAS. CECIL 201 142.74
NAS. JACKSONVILLE 365
CROSS CITY 269 116.1
DAYTONA BEACH 236 116.1
TAMPA 135
JACKSONVILLE OCEANIC A.T.C.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 3°E TO 1°E
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
MOBILE 131
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
JACKSONVILLE 133

TAMPA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(P) Albert Whitted (St. Petersburg, Fla)	2.5 E;bay E	6	33h L3 S6	80,91 oct. Coast Gd.Stn adj Poles SW.
Altoona (Fla)	0.6 NW;RR E	155	25	Trees ends strips
Arcadia (Fla)	2 SE;hwy W	60	30	Trees around fld
Avon Park (Fla)	1.5 W;RR E	156	40h S4	80,91 oct, P-line S;trees sur
(A) Avon Park AAF (Fla) (A)	11 ENE;lake NW	65	54h	TMP INACT.NO FACS. fld.
BANANA RIVER Navy Range (Fla)	524 (NPB)	106°,4.6	MRLZ	(3)
BANANA RIVER NAS Tower (Fla)	224 (142.74)		CN	(3); 142.74
(N) Banana River NAS (Fla)(N)	11 SE Cocoa	9	40h L5 S6	91 oct.No bcn Lgts on req.
Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
Bartow (Fla)	5.5 NE;RR NW	124	50h S4	80,91 oct.
Bradenton (Fla)	0.5 S;RR E.	20	24 S6	80 oct.Obst sur fld.
(A) Brooksville AAF (Fla) (A)	7.5 SW;hwy E	70	70h	CLOSED.
Bunnell (Fla)	3.5 E;lk SW	34	50h	
Cannon Mills (Orlando, Fla)	3.8E;arpt W	105	41 L S6	80 oct. Flood,obst lgts on req.
Carlstrom (Arcadia, Fla)	7 SSE;hwy N			ABANDONED Obst sur fld.
Cedar Keys (Fla)	1 W;bay S	6	25h	
Clearwater (Fla)	2.5 NE;hwy S	73	30 S6	80,91 oct. Trees W,NE,SW,
Cocoa (Fla)	1 NW;RR E	20	25 L1 S1	80 oct.Obst sur fld. NW
Conners (Okeechobee, Fla)	2.5 NW;RR S	34	50h S1	80 oct.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) [Daytona Beach],(Fla)	2.8 SW;hwy S	34	41h L5 S6	80, 91 oct.
➙ Deland (Fla)	2.5 NNE;hwy N	80	70h L5 S6	80,91 oct.Trees NE.
Dorr (Arcadia, Fla)	11.5 E;hwy N			ABANDONED
DREW Tower (Fla)	278 (126.18, 118.5)		AC	(4); 126 18,118.5,122 5
(P) [Drew] (Tampa, Fla)	5 W;bay 1.5 SW	26	70h L5 S4	No bndry lgts. 80,91,100 oct.Rdo rec rqrd.
(A) Dunnellon AAF (Fla) (A)	4.5 E;hwy S	66	50h	CLOSED.
Ellenton (Fla)	1.5 NNW;RR N	18	24 S6	80,91 oct.P-line NE.
(-) Fette Aircraft Service (Fla)	See Venice Mun (Fla.) under "New Facilities"-name changed.			
Fort Pierce, com. (Fla)	3.3 SSE;RR E	19	25 L3 S6	80 oct. P-line W N,W,NW
(P) Fort Pierce, mun. (Fla)	3.5 NW;hwy E	24	50h	blkd.
Frank D. Waterman (Eustis, Fla)	0.9 SSW;lake NW	81	23 S2	80 oct. Obst sur fld.
Gilbert (Winter Haven, Fla)	3.5 NNW;lake W,	135	40h S6	80, 91 oct
Gray's (Leesburg, Fla)	5 N;RR,hwy W	130	27 S6	80 oct. Orange groves W
Haines City (Fla)	1 NW	175	20 L1	
(P) Hendricks (Sebring, Fla)	See Sebring Air Terminal under "New Facilities"- name changed.			
Hidden Acres (Clarcona, Fla)	1.5 WNW;lake W	93	27 S5	80 oct E blkd.
(A) Hillsborough AAF (Tampa, Fla)	7 NNE	67	50h	CLOSED (A)
Hoequist (Orlando, Fla)	3.8 SW;hwy E	90	20 S4	80 oct. s E.
Honeymoon Island (Dunedin)	2.5 W		30	Data unver. (Fla)
Kerlin (Minneola, Fla)	0.5 NE	100	18 S2	80 oct.
(P) Kissimmee (Fla)	2 W; RR N	82	50h L5 S4	80,91 oct.No bndry,flood.
Lakeland AAF (Fla)	See Drane under "New Facilities"- name changed.			
[Lakeland Mun. #1] (Fla)	2.8 N;lake E	159	35h L5 S6	80,91 oct.Ctc lgts on prior req. till 2400.
Lake Wales (Fla)	2.3 WSW;RR N	125	40h L3 S6	80, 91 oct.
(A) Leesburg AAF (Fla) (A)	4 ENE;RR SE	67	50h	CLOSED.
Ludwig Sky Harbor (St.Petersburg, Fla)	See Sky Harbor Airport under "New Facilities" - name changed.			
MAC DILL Tower (Fla)	227 (126.18)+		CA (ILS-W)	(3); 126.18. ➧ 00,20
(A) MacDill (Tampa, Fla) (A)	8 SSW;bay NE	9	100h L5 S6	73-100 oct.JP-1.No sto.
(N) Malabar OLF (Fla) (N)	7 WNW	27	40h	Foreign Clear, Stn.
MELBOURNE Range (Fla)	257 (OU)(116.1)	158°, 2.3	SBRAZ-DTV	(4); 116.1, 122 1 SW.
Melbourne-Eau Gallie (Fla)	2.2 NW;RR E	26	43h L5 S6	80,91 oct. Lgts on req.Trees
(A) Montbrook AAF (Williston, Fla) (A)	3.2 SSW;hwy E	70	70h	CLOSED.
New Smyrna (Fla)	3 NNW;RR W	12	50h S6	80,91 oct.
ORLANDO Range (Fla)	206(OR)(vhf)	220°,3.4	BMRLZ-DTV	(3); 116.1, 122.1
ORLANDO Tower (Fla)	278 (126.18, 118.7)+		C	(4); 118.7,122.5,126.18
(A) [Orlando AAB] (Arpt)(Fla)	2.5 E;lake S	115	55h L5 S6	80,91 oct;100 oct mil acft.
Orlando Aviation Country Club (Winter Park, Fla)	1 NW;lake S	100	21 L S6	80 oct.Flood lgts prior req.P-line N.
Osceola (Sanford, Fla)	10 SSE;lake SE	25	40h	
➙ Peter O.Knight (Tampa, Fla)	3.7 S;bay S	8	40h L5 S6	80,91 oct.Ctc lgts prior req.
Pierson Memorial (Fla)	0.5 N;hwy,RR W	70	21	
(A) Pinecastle AAF (Fla) (A)	3 ESE;lake NW	95	100h	CLOSED.
PINELLAS Tower (Fla)	317 (118.3)		CI	(4); 122.5 (8-24)
(P) [Penellas Co. International] (St. Ptersburg, Fla.)	9.5 N;bay E	12	50h L5 S6	80,91,100 oct
Piper-Fuller (St. Petersburg, Fla)	4.8 WNW;bay W			ABANDONED
Plant City (Fla)	3 E;hwy N			ABANDONED
(P) Punta Gorda (Fla)	5 ESE;hwy SW	25	50h	
Robinson (Plant City, Fla)	1.5 WSW;RR E	110	21 S6	80,91 oct E,ESE Blkd
(N) Roseland OLF (Sebastian, Fla)	1.7 W;riv N,E	23	40h	(N)
Ryan (Apopka, Fla)	1 N;hwy E	104	25 S4	80 oct. Obst sur fld.
Sanford (Fla)	2.5 SE;hwy N	57	60h L5 S6	80, 91 oct. Lgts on req.
(P) [Sarasota-Bradenton] (Sarasota, Fla)	3.5 NNW;hwy W	24	50h L5 S6	80,91 oct. Lgts on req.
Sarasota, com. (Fla)	2.5 E;RR N,E	25	35 S6	80 oct. Obst sur fld.
➙ Sebring (Fla)	4 SW;lake NE	200	20 S1	80 oct.P-line SW.
Showalter Arpk (Winter Park) (Fla)	1 E;RR S	91	24 S4	80,91 oct.
Skyland (Lakeland, Fla)	1.9 WNW;RR S	170	21 S6	80 oct.No sto.Trees S.
Skyport (Dunedin, Fla)	1.5 N;RR E	4	30 L2 S6	80 oct. No bcn. S Blkd.
TAMPA Range (Fla)(Peter O. Knight)	388(TM)(116.1)	55°, 2.7	SBRAZ-DTV	(4); 116.1, 122.1
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct. No flood lgts
(P) Titusville-Cocoa (Titusville)	6 S;RR E	35	50h L5 S6	80 oct. Lgts prior req.(Fla)
*. Titusville Int,20,MM-AG (Fla)	1.3 NW;RR E			ABANDONED.
Tomoka (Daytona Beach, Fla)	See Ormond under "New Facilities"- name changed.			
(N) Valkaria OLF (Melbourne, Fla) (N)	8 SSE;RR E	26	40h	
Venice Aux (Fla.)	0.5 SE;hwy W	20	36 S4	80 oct. Trees ENE,SE.
VERO BEACH H Fac. (Fla)	359(VB)(116.1)		MHTV	(4);116.1,122.1
[Vero Beach] (Fla)	1 NW;RR E	24	75h L1 S1	91 oct,Airlines only exc in
Wauchula (Fla)	2.1 E;riv W	120	21	Trees N,E,NE
Wimauma (Fla)	0.8 ESE;RR W			ABANDONED.
(P) Witham (Stuart, Fla)	1.5 SE;RR SW	17	50h L5 S1	80 oct.
(P) Zephyrhills (Fla)	1.5 ESE;RR W	92	50h L5 S6	80 oct.No bndry lgts.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

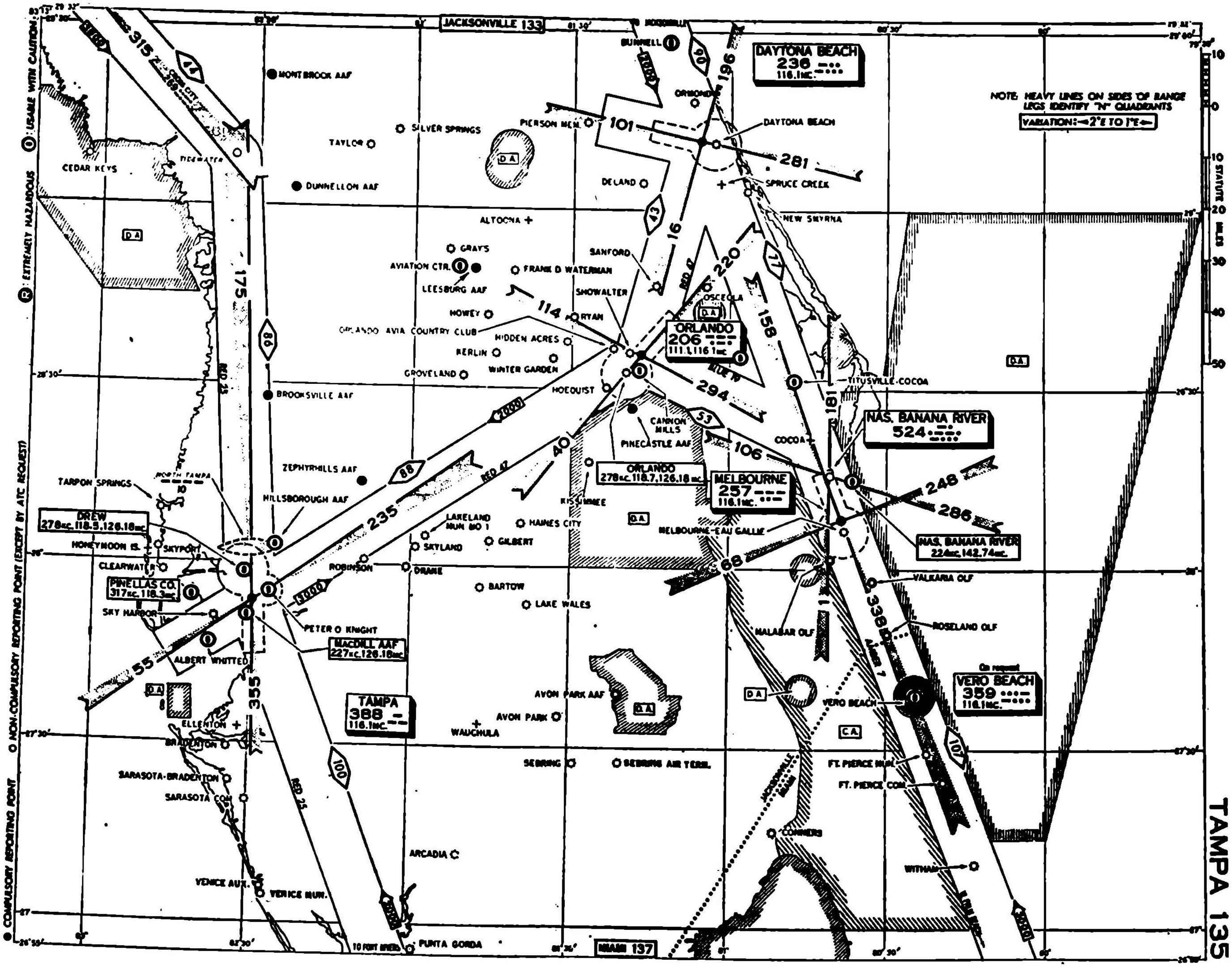
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MacDILL (A)	110.3	335	217°	IM- (0.07)	MM- ..... (1.09)	OM- — —(5.03)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Ormond (Fla)	3.5 WNW;RR N	29	40h S4	80 oct.Ctn,stock on fld.
Sky Harbor (St.Petersburg, Fla)	6 NE;bay E	8	28 S6	80 oct.
Groveland (Fla)	1.8 SSE;lk NE	100	20 S3	80 oct
Winter Garden (Fla)	1.5 NW;lk NW	75	25 S2	80 oct.
Tarpon Springs (Fla)	2 W;Gulf of Mex. W	12	19 S1	80 oct Trees N,E,S
Spruce Creek (Samsula, Fla)	3.5 N	25	40h	
Howey (Howey in the Hills, Fla)	0.5 S	75	20	
Aviation Ctr (Leesburg, Fla)	1.5 N;lk E	80	15h S6	80 oct
(P) Sebring Air Terminal (Fla)	6.5 ESE;RR 2 SW	62	52h L5 S6	80,91 oct.Lgts on req.
➙ Drane (Lakeland, Fla)	5.5 SW;hwy 3 N	135	50h L5	No flood lgts. No bcn
(P) Venice Mun (Fla.)	1.9 SSE	19	50h L5 S6	80 oct. Rnwy lgts on req.No bcn or flood.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. ✣-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) ➙ New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


JACKSONVILLE 133
MIAMI 137
TAMPA 135
DAYTONA BEACH 236 116.1MC
ORLANDO 206 111.1 116.1MC
NAS. BANANA RIVER 524
MELBOURNE 257 116.1MC.
DREW 278MC. 118.5, 126.18MC
PINELLAS CO. 317MC. 118.3MC
MACDILL AAF 227MC. 126.18MC
TAMPA 388 116.1MC.
ORLANDO 278MC. 118.7, 126.18MC
NAS. BANANA RIVER 224MC. 142.74MC.
VERO BEACH 359 116.1MC.
On request
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 1°E
① USABLE WITH CAUTION
② EXTREMELY HAZARDOUS
● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE MILES
CEDAR KEYS
TAYLOR
SILVER SPRINGS
PIERSON MEM.
DUNNELLON AAF
MONT BROOK AAF
DELAND
DAYTONA BEACH
SPRUCE CREEK
NEW SMYRNA
ALTOONA
GRAYS
AVIATION CTR.
LEESBURG AAF
FRANK D WATERMAN
SANFORD
SHOWALTER
OSCEOLA
HOWEY
RYAN
ORLANDO AVIA COUNTRY CLUB
HIDDEN ACRES
BERLIN
WINTER GARDEN
GROVELAND
HOEQUIST
TITUSVILLE-COCOA
BROOKSVILLE AAF
CANNON MILLS
PINECASTLE AAF
COCOA
ZEPHYRHILLS AAF
TARPON SPRINGS
NORTH TAMPA
HILLSBOROUGH AAF
LAKELAND MUN 60 1
HAINES CITY
KISSIMMEE
MELBOURNE-EAU GALLIE
SKYLAND
GILBERT
HONEYMOON IS.
SKYPORT
CLEARWATER
ROBINSON
DRANE
BARTOW
LAKE WALES
SKY HARBOR
PETER O KNIGHT
ALBERT WHITTED
MALABAR OLF
VALKARIA OLF
ROSELAND OLF
AVON PARK AAF
AVON PARK
WAUCHULA
VERO BEACH
ELLENTON
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MIAMI

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Belvedere (West Palm Beach, Fla.)	2 SW	17	25 S5	
Belle Glade (Fla)	1 NNE;lake W	17	24 S6	80 oct. Trees S,W.
BOCA RATON AAF Tower (Fla)	396 (126.18)		CA	(3); 126.18
(A) Boca Raton AAF (Fla)(A)	2 NNW;canal E	14	64h L5 S6	100 oct.
Brown (Miami, Fla)	10 NNE;RR NW	10	20 S6	80,91 oct. No sto. Trees E.
(A) Buckingham AAF (Fort Myers, Fla) (A)	10 E;riv SW	25	54h	CLOSED.
Chapman (Miami, Fla)	11.5 SSW	3	40 S6	80,91 oct. No sto. Pwr line W. RR W
Clewiston (Fla)	1.6 SW;RR N	19	30 S6	80,91 oct. P-line N,NE, SW.
(N) Forman OLF (Fort Lauderdale, Fla)	See Ft. Lauderdale-Davie Arpt under "New Facilities" - name changed.			
Ft. Lauderdale (Fla)	6 NNW;RR SE	14	40h	
(N) Fort Lauderdale NAS (Fla) (N)	3.5 SSW;RR W	10	50h	CLOSED
FORT MYERS Range (Fla) (Page)	341(FM)(116.1)	38°,3.6	SBRAZ-DTV	(4);116.1,122.1
Homestead, mun. (Fla)	2 NE;rd N	8	28 S6	80 oct.
(A) Immokalee Airfield (Fla) (A)	1.3 ENE;RR W	20	50h	CLOSED.
★ Immokalee Int, 13, TM-MM (Fla)	5.25 SE;RR SW	23	38 L2	
KEY WEST Range (Fla)	332(KW)(116.1)	70°,5.8	SBRAZ-DTV	(4); 116.1, 122.1
KEY WEST NAS Tower (Fla)	396 (142.74)		CN	(3); 142.74 (sunrise to sunset)
KEY WEST NAS (Seaplane) Tower (Fla) (NC)	272 (142.74)		CN	3105;142.74 (prior req.)
(N) Key West NAS (Fla)(N)	7 ENE	5	70h L5 S4	91,100 oct. No sto.
Lake Worth (Fla)	2 W;RR E	12	26 S6	80 oct.
MacArthur (Hollywood, Fla)	See Hollywood under "New Facilities" - name changed.			
Marathon (Fla)	1.8 ENE;hwy S	6	100h	CLOSED.
MASTER NAS Tower (Fla)	382 (142.74)		CN	(3); 142.74 (7-sunset)
(N) Master NAS (Miami,Fla)	8 NNW;RR W	9	74h L5	Pwr line SE. (N)
[Meacham] (Key West,Fla)	2.3 E;ocean S	4	41h L5 S1	80,91 oct. ARPT ENTRY Lgts prior req. No bcn
MIAMI Range (Fla) (International)	365(MM)(vhf)	270°,2.3	SBRAZ-DTV	(3); 116.1, 122.1
MIAMI INTERNATIONAL Tower (Fla)	278 (126.18, 118.5)		AC	(4); 122.5,126.18,118.3
(A) [Miami International - AAF] (Fla)	5 NW;RR W	9	74h L5 S6	80,91,100 oct. FEE. 2-way rdo rqrd. ARPT OF ENTRY.
Miami Aviation Center (Miami, Fla)	7.5 NNE;bay E	8	25h S6	80,91 oct. Trees N,S.
(N) Miami NAS (Fla) (N)	10.7 NW;canal N	9	60h	CLOSED.
(N) Miami OLF (Fla) (N)	7.9 NNW;RR E	9	36h	CLOSED

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
MORRISON Tower (Fla)	278 (126.18, 118.9)+		C (ILS)	(4);118.9,126.18,122.5
(A) [Morrison](West Palm Beach, Fla) (A)	2 W;canal S	18	70h L5 S5	73-100 oct.
Naples (Fla)	2 NE;RRs E, W	8	50h	CLOSED.
(N) North Perry OLF (Hollywood,Fla)(N)	6.3 W	9	32h	CLOSED.
(N) North Pompano OLF (Pompano, Fla)(N)	1.5 NE;RR W	21	40h	CLOSED.
(P) [Page] (Ft. Myers,Fla)	4 S;RR E,hwy W	18	50h L5 S6	80,91 oct. Ground traffic.
Palm Beach County Park (Lantana, Fla)	2 WNW;lake N, E	13	35h L5 S6	80-100 oct. Fld lgts on prior req after 2300
Punta Gorda, mun. (Fla)	3 SSE;hwy E	4	24	
(N) Richmond NAS (LTA)(Fla)	15 SW Miami	13	20h	CLOSED. (N)
(P) Riddle (Clewiston,Fla)	7.6 W;hwy N	19	25h	Use rnwys only.
(P) South Dade County (Homestead, Fla)	See Homestead Arpt under "New Facilities" - name changed.			
Sunny South (Miami,Fla)	6 N;hwy E	12	40 S6	80,91 oct. E blocked.
Tamiami (Miami, Fla)	12 W	8	35h S6	80,91,100 oct. No sto. P-line N,W.
WEST PALM BEACH Range (Fla) (Morrison)	209 (DWZ) (116.1)	89°,2.4	BMRAZ-DTV	(3); 116.1, 122.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

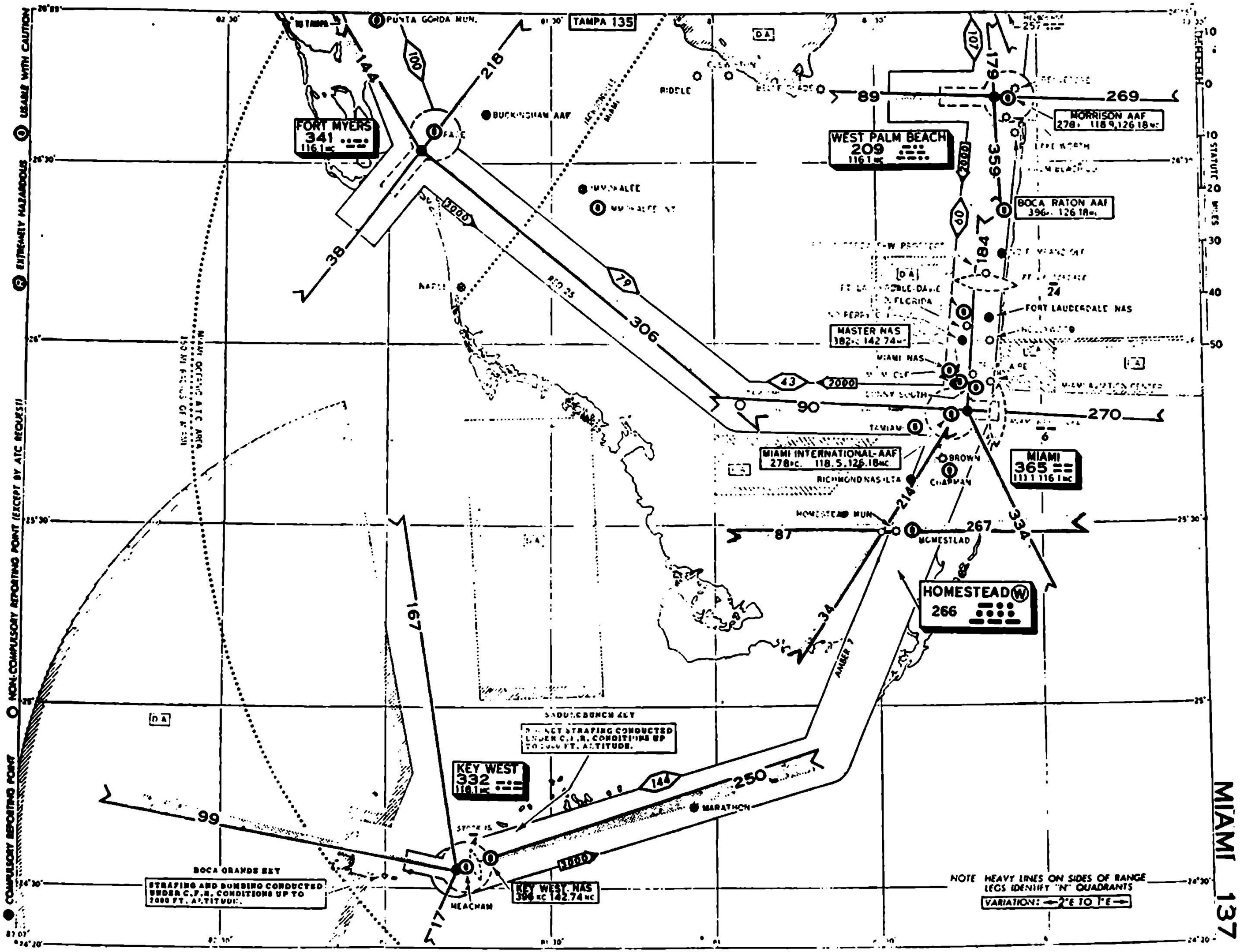
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MORRISON (A)	110.3	335	90°	IM -	MM- ·····(0.61)	OM- ——(4.5)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Ft. Lauderdale-Davie (Fla.)	6.5 WSW;hwy N	7	30h S4	80,91 oct.
West Prospect (Ft. Lauderdale,Fla.)	See Ft. Lauderdale above - name changed.			
(P) Homestead (Fla)	5 E	8	60h L5 S6	80,91 oct. Landing fee.
Hollywood Arpk Inc.(Fla.)	1 SW;RR W	12	28 S6	80,91 oct. Trees SE,NW.
South Fla.(Ft.Lauderdale)	7.5 SW;hwy E	10	45 S6	80,91 oct. P-line E. (Fla)
Tropicaire(Miami,Fla)	9 N	10	22 S6	80,91 oct. P-line N,E,S;N,
Belvedere Co.Club(W.Palm Beach,Fla)	2 WSW;Army fld S	17	25 S6	80 oct. Trees SE, E blkd. NW. Lgt acft only.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 8117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.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MORRISON AAF
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BOCA RATON AAF
396 126.18
FORT LAUDERDALE NAS
MASTER NAS
382 142.74
MIAMI NAS
MIAMI INTERNATIONAL-AAF
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MIAMI
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111.1 116.1
BROWN
CHAPMAN
RICHMOND NAS
HOMESTEAD MUN
HOMESTEAD
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MEACHAM
MARATHON
STOCK IS.
BOCA GRANDE KEY
STRAFING AND BOMBING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 2000 FT. ALTITUDE.
SADDLEBUNCH KEY
STRAFING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 5000 FT. ALTITUDE.
MIAMI OCEANIC A.T.C. AREA
EXCEPT BY ATC REQUEST
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
AMBER 7
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 1°E
STATUTE MILES
MIAMI 137

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Term.)	248(BU)(116.1)	SBML-DTV;93°, 3	(3); 116.1
BURBANK LFM	(- -)	LFM, 97°, 1.5	Burbank
CASTAIC FM	(- - . - -)	FM, 322°, 41	Los Angeles.
CHATSWORTH	341 (L)	FMHW;276°,10.5	(Cont.) Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMHW;77°,11.0	(Cont.) Los Angeles
EL TORO MCAS (Santa Ana)	3295(142.74)	CN(GCA)	3105,4495;126.18,142.74
GLENDALE	371 (S)	MHW;97°,7.3	(Cont.) Burbank
GRAND CENTRAL (Glendale)	201(118.7)	CI	(4);118.7,122.5 (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CI	(3); 126.18 (0730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERM. (Burbank)	278(126.18,118.3)	AC	(4); 122.5,126.18,118.3
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV	(3);116.1,122.1
Long Beach Airport	347(126.18,118.5	AC; 298°, 3.9	(4);122.5,118.5,126.18
LOS ALAMITOS NAS (Long Beach)	317(142.74)	CN	3105; 142.74 (8-1730)
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV ;244°,3.9	(3); 116.1,122.1
Los Angeles Airport	272(126.18,118.9)	AC(ILS-W)	(4); 126.18,118.9,122.5
LOS ANGELES	109.1 (LA)	BVAR; 86°, 2.0	
NEWHALL (Int.)	209(NH)(vhf)	SBMRL-DTV;317°,0.1	(4);116.1 122.1
ONTARIO AIRPORT	219(126.18,116.1)	CI	(4);126.18,116.1,122.5 (8-18)
SANTA ANA (Navy)	359(NTK)	BMRLZ	3105;142.74
Santa Ana NAS	6970(142.74)	CN; 250°, 0.6	3105,3195;142.74 (Fly.hrs.& req.
SANTA MONICA AIRPORT	353(126.18)	CI	(3); 126.18 (8-18)
TERMINAL ISLAND NAS (San Pedro)	338 (142.74)		DECOMMISSIONED
VAN NUYS METROPOLITAN AIRPORT	219 (126.18)	CI	(4); 126.18 (730-1530, except. Sat. & Sun)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LOS ANGELES,	109.9	333.8	247°	IM-	MM- •—•— (0.64)	OM- —— (6.04)	
					MMK-		OMK-

S-Signal. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

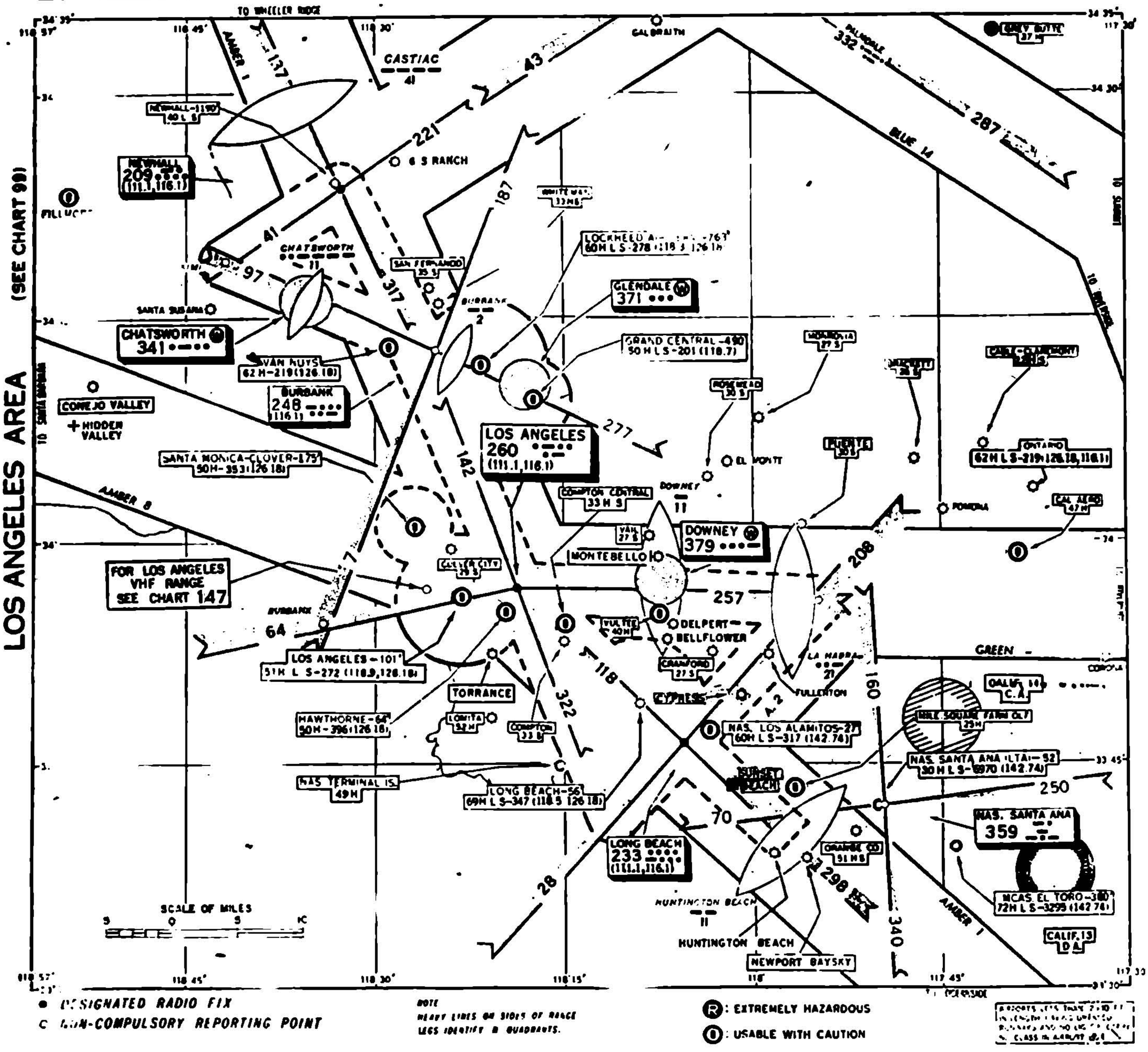
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;dyke N	80	21 S4	80 oct. No sto.
Brackett (Pomona)	3 NW;hwys N,E	1010	25 S6	80 oct. Hill W
Cable-Claremont	1.8 ENE;RR E	1400	22h S6	80,91 oct. Brush NNE,
Cal Aero (Chino)	4.5 SE	625	47h L	Restricted to W.A.A. Bndry lgts prior
Compton	1.5 W;hwy E,W	90	33 S6	80 oct. Poles E, N. Hwy N. req.
Compton Central (Compton)	2 NW;RR W	100	33h L S6	80,91 oct. Rdo & instr rprs. Rnwy data
Conejo Valley (Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct. No sto. P-lines NE. unver.
Corona	2.3 ESE;RR N	645	22 S6	80,91 oct. P-lines E,SE,W,NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City (Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➔ NEW OR REVISED DATA.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delpert Airpark (Norwalk)	1.5 W;hwy N	90	21 S6	80 oct. No sto. Pole.
El Monte	1 NNE;rd E	300	20 S6	73,80,91 oct. Trees SW. Bldgs NE.
(N) El Toro MCAS (Santa Ana)(N)	6 SE,RR,hwy W	380	72h R1 L5 S4	100 oct.
➔ Fullerton	3 W;RR NE	95	18 L S6	80 oct. Obst & port range lgts prior req.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73, 80 oct.
Gardena Valley (Gardena)	2 NW;RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW	490	50h R1 L5 S6	73,83,91,100 oct. Bet RR & river.
(A) Grey Butte (Victorville)(A)	22 W	3050	37h	Mtns S. CLOSED
(N) Haster Farm OLF (Gardengrove) (N) (NC)	2 SW	65	14h	
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
(N) Horse Farm OLF (Los Alamitos) (N) (NC)	2 E	54	17h	
Hughes (Culver City) (NC)	3.6 SSW;RR N	15	91	Pole line NE. Closed to Public.
Huntington Beach	1.8 SE;hwy NW	4	19 S1	80 oct.
(NG) LOCKHEED AIR TERM. (Bur- (N) bank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91 oct;100 oct Army. No sto. Two-way radio required.
(P) Lomita Landing Strip	1 W;hwy S	95	52h	Mtns S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	100 oct. No sto.
(N) Los Alamitos NAS (Long Beach)	6 E; hwy N	27	60h R1 L5 S4	80,100 oct. NATS
(P) [Los Angeles] (N)	9.5 SW;RR E	101	60h R3 L6 S6	91,100 oct. Rdo rqrd.. Rnwy data unver.
(N) Mile Sq. Farm OLF (Santa Ana)	3.5 SE;riv E	44	25h L	Pwr lines S.
Monrovia (N)	0.5 SE;RR S	500	26 S6	80,91 oct. Tree N,S.
Montebello	2 SSW;RR S	180	34 S6	80, 91 oct.
* Newhall Int, 3A, LA-SF	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Newport Bay Sky Harb. (Costa	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.
➔ Norco Mesa)	2.5SSW;riv1.5 NW	590	14 S6	80,91 oct. Trees W,SW.
(P) Ontario International	1.5 E;RR SW	952	62h R1 L5 S6	80,91,100 oct. Trees SW.
(P) Orange Co. (Santa Ana)	5 S;at fork rds	53	48h L5 S6	80,91 oct. Fldlgts on req.
(N) Palisades OLF (N)(NC)	2 E Costa Mesa	107	25	Bay N, W.
Pomona	1.8 SSE;rd W	775	20 S6	80 oct. Trees E, hill W.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. Poles NE, house SW.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	52	30h R2 L4 S4	91,100 oct. No sto.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No bcn. Lgts prior req.
Santa Susana	0.5 S;RR N	955	18 S1	80 oct. Hills ENE, P-lines WSW.
Sky Ranch (Puente)	See Puente Sky Ranch under "New Airports"-name changed.			
(N) Terminal Isl. NAS (San Pedro)(N)	2 ENE	14	49h	INACTIVE
Torrance Community (Los Angeles)	11.5 SSW;hwy W	82	21h S6	80 oct. No sto. Poles W; pwr line E.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct. Port rnwy lgts. Rdo rprs.
(A) Van Nuys Metropolitan	2.8 NW;RR N	800	62h R1	Ltd 100 oct.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW. RST'D.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct. Pole line NNW,NE,SW.
NEW FACILITIES				
Sunset Beach (Calif)	2.6 E;ocean SW	25	19 S4	80 oct. Fence ENE.
6 S Ranch Arpk (Solemint, Calif)	1 WNW;hwy N	1350	26 S6	80,91 oct. P-line E,W.
Fillmore (Calif)	1 S;riv N	435	16	Tree W.
Cypress (Westminster, Calif)	4.6 NNW;RR SW	60	22 S1	80 oct. Pwr line NE.
Puente Sky Ranch (Calif)	1.3 E;RR S	402	30 S4	80 oct. Trees E, p-line W.
Hidden Valley (Camarillo, Calif)	10 SE;lake E	920	20	McMahans Oaklane Ranch. Data unver.



● DESIGNATED RADIO FIX

C NON-COMPULSORY REPORTING POINT

NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 8 QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

DETROIT – CLEVELAND – NORFOLK

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ann Arbor (Mich)	4 S	835	32 L3 S6	80 oct. Lgts prior req. P-line N, SE, SW, NW.
➔ Bedford (Ohio)	2 NE; hwy W	1060	17 S4	80 oct. P-line W
Berz (Birmingham, Mich)	1.5 E; RR SW	700	32 S2	80, 91 oct. N blkd.
Big Beaver (Mich)	0.8 E; hwy W	650	21 S6	80 oct. P-line N
Brooklyn (Cleveland, Ohio)	5.5 SW; RR S	780	26 S2	73 oct.
Burns (Detroit, Mich)	8.5 WSW; RR N	625	19 S6	80 oct. SW blkd. P-line N
➔ Chagrin Falls (Ohio)	3 E; hwy W	1220	26 S6	80 oct. P-line N, NE, NW
➔ Chagrin Harbor (Willoughby, Ohio)	2.5 NNW; hwy	620	20 S6	80 oct. P-line W. Soft when wet.
➔ Chardon (Ohio)	2.8 S; lake W	1230	22 S4	80 oct. P-line N, NE, SE.
CLEVELAND Range (Ohio)	344(CV)(116.1)	100°, 0.7	SBRAZ-DTXV	(4); 116.1 Use strips.
CLEVELAND Arpt. Range	278		MLW	(Ohio)
CLEVELAND Tower (Ohio)	278(126.18, 118.3)		AC (ILS-W)	(4); 118.3, 126.18, 122.5
(A) [Cleveland] (Ohio)	8.5 SW; riv W	789	60h L6 S6	73, 80, 91, 100 oct. JP-1. FEE. ARPT OF ENTRY
Cumberland (Portsmouth)	8 S	15	28 S4	80 oct. (Va)
➔ DETROIT H Fac. (Mich)	338 (D)	329°, 2.2	MHW	(Cont.) Detroit
DETROIT CITY Tower [Detroit City] (Mich)	278 (118.5)		C	(4); 122.5
	5.5 NE; RR S	625	53h L4 S6	80, 91 oct. Fee Rdo rec rqrd. ARPT OF ENTRY P-line N. Tank W
DETROIT NAS Tower (Mich)	See Grosse Ile under "New Facilities" - name changed.			
(N) Detroit NAS (Mich) (N)	See Grosse Ile under "New Facilities" - name changed.			
ELYRIA H Fac. (Ohio)	219 (S)	280°, 10.9	FMHW	(Cont.) Cleveland
Elyria (Ohio)	1.6 SSW; bet RRs	745	27 S4	80 oct. Poles SSE, S.
➔ Euclid Ave. (Willoughby Ohio)	1.5 WSW; RR N	640	26 S6	80, 91 oct. P-line N, NNE, SSW.
(N) Fentress NAAS (Va) (N)	2.5 ESE; hwy N	16	25h	CLOSED.
Ford (Detroit, Mich)	8.8 SW; RR N	600	37h	PRIVATE.
(P) Franklin (Va)	3 NE; RR S	38	41h L5 S6	80, 91 oct. Trees sur fld.
Garner s (Windsor, Va)	4.8 NNE; hwy W	80	25 S2	80 oct.
Glen Rock (Norfolk, Va)	4.5 E; hwy W	18	24 S6	80, 91 oct. Trees SW.
Gridley (Ypsilanti, Mich)	4.4 WSW; hwy S	840	24 S5	80 oct. Pole E; woods N
Hance (Wyandotte, Mich)	2.5 W; hwy N, E	590	28 S6	80 oct. N blkd.
Hartselle Air Terminal (Wayne, Mich)	3.5 NW; RR E	675	18 S6	80 oct. P-line E; trees ENE, W, WSW, WNW.
Joy (Detroit, Mich)	13 NE; RR W	616	24 S6	80 oct. Trees SW.
Krist-Port (Farmington, Mich)	3.8 N; jct rds	860	27 S6	80 oct. Obsts sur fld.
LANGLEY Army Range (Va)	221(DLY)	102°, 3.8	SBMRAPZ-DT	(3)
LANGLEY Tower (Va)	278(126.18)		CA (GCA)	(4); 126.18
(A) Langley Field (Va) (A)	3 N Hampton	10	70h L5 S6	73, 91, 100 oct. JP-1.
➔ Lorain (Ohio)	2.8 W; RR N	610	31 S4	80 oct. P-line NE, SE.
Lorain Skyport (Lorain, Ohio)	2.5 W; lk N	610	29 S4	80, 91 oct. P-line S, SE. SW corner unusable.
➔ Lost Nation (Willoughby, Ohio)	3 N; lk NW	626	37 S6	80, 91 Rnwy data unv. oct. Obsts sur fld. except N approach.
NEW FACILITIES				
(N) Grosse Ile NAS (Detroit, Mich) (N)	17 SSW	594	47h L5 S6	91, 100 oct. P-line E.
	269(142.74)		CN	(3); 142.74 (8-17)

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
McEnnan (Ypsilanti, Mich)	2.7 SSW; riv NE	738	23 S4	80 oct. P-line E, Trees NW.
McKinley (Fraser, Mich)	1.3 NW; RR E	620	27	P-line E, NE
Mettetal (Plymouth, Mich)	1.5 SSE; RR E	700	25 S6	80 oct. P-line N, NE, SW, W.
Mid City (Hudson, Ohio)	2 S; RR S	1080	31 S4	80 oct. Poles W, NW
Milan (Mich)	3.8 SW; RR SE	705	23 S2	80 oct. P-line N.
Monogram	2.8 W; riv W	21	45	CLOSED (Drivers, Va)
Nan-Bar (Flat Rock, Mich)	1 ENE; RR N	590	26 S4	80 oct. P-line NE, E.
Nat'l Fly Svc. (Detroit, Mich)	11.5 WSW; RR N	635	29 S4	80 oct. Poles NE, NW.
(N) Newport OLF (Mich) (N)	3 W; hwy E	608	20h	
NORFOLK Range (Va)	239(NW)(116.1)	44°, 3.3	SBMRLZ-DTV	(3); 116.1
NORFOLK Tower (Va)	269 (126.18, 118.3)		AC	(4); 122.5, 126.18, 118.3
[Norfolk] (Va)	5 ENE; RR SE	22	50h L5 S4	80, 91 oct.
NORFOLK Navy Range (Va)	356 (NGU)	276°, 2.9	BMRLZ	(East Field)
(N) Norfolk NAS (Chambers)	7 N; rd N	13	26h	CLSD. Use E. Fld. (N)
NORFOLK NAS Tower (East)	323 (142.74)		CN(GCA)	(3); 142.74
(N) Norfolk NAS (East) (Va) (N)	6 N; RR SW	15	43h L5 S6	91, 100 oct NATS.
NORFOLK NAS Tower (Seapl)	2870		CN	2870 (7-17 and on req)
OCEANA NAAS Tower (Va)	3295 (142.74)		CN	3105, 4495; 142.74 (745-1830)
(N) Oceana NAAS (Va) (N)	1 SW; RR N	20	60h L5 S4	91, 100 oct. No bcn.
Ortner (Wakeman, Ohio)	4 NNE; RR S		26 S1	73 oct. Data unver
Peninsula (Hampton, Va)	2 WSW; RR N	12	26 S4	80 oct.
(N) Pungo NAAS (Va.)	0.8 NE	15	25h	INACTIVE.
ROMULUS Range (Mich)	230(DT)(116.1)	86°, 2.8	SBRAZ-DTV	(3); 116.1
Roseville (Mich)	0.5 S; hwy W	610	31 S6	80 oct. SE, SW blkd.
Sky Haven (Northfld, Ohio)	2.5 SSE; RR NE	1040	25 S4	73, 80 oct. Pwr line W, S
➔ Solon (Ohio)	1.1 SSE; RR NE	1034	24 L S6	80 oct. P-line SE, SW, W. Floods on req.
South Norfolk (Norfolk, Va)	3.7 S; hwy NW	20	25 S2	80 oct. P-line W.
Stinson (Wayne, Mich)	1.4 SW; RR E	664	25h	PRIV. P-line NNE
Tecumseh (Mich)	1.8 NNE; riv SW	815	26 S6	80 oct. P-lines S W blkd
Triangle (Plymouth, Mich)	1.5 ESE lk N	700	26 S4	80 oct. P-line N, E, S, W blkd.
* Vermilion Int, 28, CG-LG	3.7 SW, RR N, S	610	24 L3	N, SE, S, NW blkd. (Ohio)
Virginia Beach (Va)	6 W; RR N	15	43 S2	80, 91 oct. P-line N Hwy N
➔ Ward (Bedford, Ohio)	1.5 S; RR E	980	21 S6	80 oct. Twr, tank N.
Waverly (Va)	2.5 NW; RR SW	115	17 S2	80 oct. Trees, brush
Warren (Mich)	1.6 WNW; RR E	625	23 S6	73, 80 oct. sur fld
Washtenaw (Dexter, Mich)	3 SSE; hwy S	867	26 S4	80 oct. P-lines, trees all approaches.
(NG) Wayne Co (Detroit, Mich) (NG)	16 SW; RR N	630	61h S3	100 oct. 1-ech. maint. NG. ARPT OF ENTRY
➔ Willoughby (Ohio)	1.2 E; ordg 1 W	700	25 S6	80, 91 oct. Rnwy data unver.
WILLOW RUN Tower (Mich)	332 (118.7)		C (ILS-W)	(4); 118.7 P-line ENE, S.
(P) [Willow Run] (Ypsilanti)	4.5 E; riv S	715	74h L5 S1	RR N. (Mich) FEE
WINDSOR Range (Ont., Can)	353 (QG)	243°, 3.3	SBRAZ-T	3105, 6210, 3117.5.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CLEVELAND	109.9		54°	MM–	OM– — — (4.75)
				MMK–	OMK–
WILLOW RUN			50°	MM–	OM–
				MMK– 323 — (0.65)	OMK– 359 • — • (5.80)

NEW FACILITIES				
(P) Suffolk (Va.)	3.8 SSW; RR E	66	50h	
Richmond (Gregory, Mich)	1.7 SE; lk E	920	23 S2	80 oct. Trees N, ESE.
Knapp (New Hudson, Mich)	0.5 SW; RR SE	947	25 S1	80 oct. N blkd.
Irish Hills (Springville, Mich)	3 N; lk S	990	20 S1	80 oct. Trees NE, SE.
Waterloo (Mich)	2.4 ESE; lk W	1040	23 S1	80 oct. Trees SE. Hills SW, W
Flat Rock (South Rockwood,	2.8 W; hwy W	600	24 S4	80 oct. P-line NW. (Mich)

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.65, 140.58 mcs.
◆ A A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
➔ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

CHART 141

DETROIT AREA

(SEE CHART 33)

CLEVELAND AREA

(SEE CHART 49)

NORFOLK AREA

(SEE CHART 97)

SCALE OF MILES 5 0 5 10

RICHMOND
WATERLOO
LANSING 206
WASHTENAW
ROMULUS 230 116.1 MC.
ANN ARBOR
SALINE 20
McENNAN
GRIDLEY
WILLOW RUN 332 KC. 118.7 MC.
TOLEDO 239
IRISH HILLS
TECUMSEH
MILAN
HIGHLAND
GREEN 2
WIXOM 20
KRIST-PORT
METTETAL
NATIONAL FLY. SVC.
BURNS
TRIANGLE
HARTSELL
FORD
STINSON
WAYNE CO.
HANCE
FLAT ROCK
NAN-BAR
FLAT ROCK
NEWPORT OLF
TO SANDUSKY
TO OXFORD
BERZ
BIG BEAVER
WARREN
McKINLEY
JOY
ROSEVILLE
DETROIT CITY 278KC.118.5MC
DETROIT (W) 338
SELFRIDGE AAF 388
ECORSE
TO MITCHELL BAY
TO CLEVELAND
WINDSOR 353
GROSSE ILE NAS 269 KC. 142.74 MC
TO BURR OAK
RED 12
RED 21
RED 1
RED 20
CA
DUNDEE
LOST NATION 49 S
WILLOUGHBY
CHAGRIN HARBOR
EUCLID AVE 26 S
CLEVELAND VHF RANGE
CLEVELAND 344 (116.1)
LORAIN 31 S
LORAIN SKYPORT
AVON LAKE 8
BROOKLYN 26 S
BEDFORD
AMBER 6
CHAGRIN FALLS
CHARDON
BLUE 11
BLUE 15
GREEN 3
VERMILION 26
ELYRIA 11
ELYRIA (W) 219
VERMILION 24 L
ORTNER
ELYRIA 22 S
AMBER 6
CLEVELAND-785' 60H L S-278 (118.3, 126.18) 278 KC. LOW POWERED RANGE ON REQUEST
NORTH ROYALTON 11
WELLINGTON
TO COLUMBUS
TO AKRON
SOLON
WARD
MID CITY 31 S
SKY HAVEN 25 S
FARKMAN
ARMOR 362
TO YOUNGSTOWN
TO ERIE
SCALE OF MILES 5 0 5 10
LANGLEY AAF 221
LANGLEY AAF-10 70H L S-278 (126.18)
RICHMOND 260
GREEN 6
BACONS CASTLE
PENINSULA 26 S
NAS. NORFOLK 26 H
HAMPTON ROADS
BUCKROE BEACH
CAPE CHARLES
NAS. NORFOLK 356
WHITEHURST
NORVIEW
NORFOLK 239 (116.1)
NORFOLK-22 50HLS 269 (118.3, 126.18)
THALIA
VIRGINIA BEACH
NAAS. OCEANA-20 60H L S-3295 (142.74)
SO. NORFOLK
NAAS. PUNGO 25H
NAAS. FENTRESS-16 25H
WAVERLY
GARNER 25 S
ECLIPSE 16
MONOGRAM
ROOSEVELT
PORTSMOUTH
PEANUT CITY
FRANKLIN 30H
SUFFOLK 50H
NAS. NORFOLK (EAST)-15 43H L S-323 (142.74) (SEAPLANE)-2870
DEEP CREEK 10
CUMBERLAND
D.A.

- DESIGNATED RADIO FIX
- NON-COMPULSORY REPORTING POINT

FOR V.H.F. RANGES SEE CHARTS 144 TO 147.

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.

(R): EXTREMELY HAZARDOUS

(O): USABLE WITH CAUTION

SEATTLE – PORTLAND – INDIANAPOLIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Ace (Anderson, Ind)	3.5 S;RR E	875	33 L S6	80 oct. Port lgts prior req.
Anderson (Ind)	3.5 SE;RR W	875	27 S6	80 oct. P-line NE.
(P) Aurora Flight Strip (Ore)	1.6 NNW;hwy W	196	41h	
Apex Arpk (Silverdale, Wash)	1.5 WSW	550	16	Data unver.
Bargersville (Ind)	1 NNE;RR W	701	27 S2	80 oct. Trees N. P-line E, W
Barrys Sky Harbor (Tacoma)	2.3 ENE;riv SW	4	21 S6	80 oct. P-line E. (Wash)
Beck (Joliet ville, Ind)	2.2 SSE;hwy 2W	830	18 S3	80 oct. P-line W. Use
Boeing-Renton (Renton, Wash)	0.9 NW;lake N	32	54h L5	Lgts prior req.
BOEING Tower (Seattle, Wash)	278 (126.18, 118.3)		AC	(4); 118.3, 126.18, 140.1, 122.5
(P) [Boeing] (Seattle, Wash)	3.8 SSE;RR E	15	75h L5 S6	80-100 oct. ARPT OF ENTRY
Brightwood (Indianapolis, Ind)	3.7 NE;rd S		44 S4	80 oct. Data unver.
Brownsburg (Ind)	1.5 SSE;RR N	650	26 S2	80 oct. P-line S.
Canby (Ore)	0.5 NNW	150	17 S1	80 oct. Pwrline NE, SW.
City View Arpk (Tacoma, Wash)	4.5 NE	380	18	P-line SW.
Crawfordsville (Ind)	4.5 SSW	850	38 S4	80 oct. Hwys E, W.
Delaware (Yorktown, Ind)	1 NE;RR S	950	27 S4	80 oct. P-line N, W. Use strips.
Dwyer Landing Fld. (Portland, Ore)	7 SE;RR NW	200	16	Poles SW.
Enumclaw (Wash)	1.5 WSW;hwy E	740	20 S2	Ltd 80 oct. Pwrline E.
Farmers (Greenfield, Ind)	9 NW		26 S2	73 oct. Data unver.
Forrest Grove (Spanaway, Wash)	1.8 E;RR E	340	28 S6	80 oct. P-line S, Ctn.
Franklin Flying Fld. (Ind)	4 S	745	22 S6	80 oct.
G & C (Anderson, Ind)	1 N	875	30	Data unver.
Green Acres (Mulino, Ore)	1.9 SSW;RR W	269	18	SE blkd.
Greencastle (Ind)	2.5 ESE;RR N	780	20 S6	30 oct. P-line SE, S. Soft.
(P) Greenfield Inc. (Ind)	1.9 ENE;RR S	910	30 S6	80 oct. P-line S.
Groves (Camas, Wash)	2.8 N;hwy E	350	16 S1	Ltd 80 oct. Lake SW.
Himes (Whitesville, Ind)	0.8 E;RR SW	870	17 S1	80 oct. P-line NNE, NW
Hoosier-Park (Ind)	4 WNW;hwy N	740	26 S6	80, 91 oct. P-line NE.
Howell Brothers (Rushville, Ind)	2 SE;hwy SW	985	13 S2	91 oct. Bldgs SW.
Huffman Air Svc. (Selma, Ind)	0.8 SE;RR N	1000	19 S6	80 oct. Obsts sur fld.
INDIANAPOLIS Range (Ind)	266(ID)(vhf)	75°, 3.3	SBRAZ-DTV	(3); 116.1, 122.1
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(P) [Indianapolis] (Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct. Exper lgtg.
Kent (Wash)	1.5 SSW;riv N	30	30 S6	80 oct.
Kitsap Co. (Bremerton, Wash)	8 SW;hwy NW	482	50h L5 S6	80, 91 oct. Lgts on req. No sto
Lake Arpk (Bellevue, Wash)	3.5 SSE;	35	21h S2	Data unver. On lake shore
Lakewood (Tacoma, Wash)	7.5 SSW;RR E	243	22 S1	80 oct. Trees ENE, WSW.
Lapel (Ind)	1 NE	865	26 S4	80 oct. Obst sur fld.
Lebanon (Ind)	1 S;RR N	925	16 S4	80 oct. Trees SW.
Lizton (Ind)	1 SE		25	Data unver.
Loy (Plainfield, Ind)	0.5 S;RR W	873	20 S6	80 oct. E, SE blkd.
Martinsville (Ind)	See Elliott-Martinsville under "New Facilities" - name changed.			
McCHORD Army Range (Tacoma)	272 (DTA)	26°, 1.7	BMRL	
McCHORD Tower (Wash)	396 (126.18)+		CA (ILS-W) ◆ :45.05	(3); 116.1, 126.18
(A) McChord (Tacoma, Wash)(A)	7 SSW;lake SE	285	59h L5 S6	73, 91, 100 oct. IP-1. FOREIGN CLEARING STN.
Mecca (Danville, Ind)	0.8 WSW;hwy N	750	18 S2	80 oct. P-line E, SSE, NNW.
Mercer (Seattle, Wash)	See Bellevue Airfield under "New Facilities" - name changed.			
Milroy Int, S, CC-CG (Ind)	5.5 ESE	1034	27 L3	
Moore (Zionsville, Ind)	12 NW		14 S1	80 oct. Data unver.
New Castle Western (New Castle, Ind)	2.3 NW;hwy E	1080	24 S2	80 oct. P-line N, SE. NW blkd.
New Castle (Ind)	3.2 E;hwy N	1040	29 S6	80, 91 oct. N, NE blkd.
Noblesville (Ind)	1 SE;RR N	801	24 S1	80 oct. Pwrline ESE.
Northern Tacoma (Puyallup)	1.3 N;RR N,C	20	19 L S6	(Wash) Lgts prior req.
Owen Pathfinder (Camby, Ind)	2.3 S	792	32 S1	80 oct. P-line SSE, SW. Use strips
PORTLAND Range (Ore)	332(PD)(vhf)	168°, 3.1	SBRAZ-DTV	(3); 116.1, 122.1
PORTLAND Tower (Ore)	278(126.18, 118.3)+		AC (ILS)	(4); 142.74, 122.5, 118.3, 126.18

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(NG) [Portland] (Ore)	5 NNE;riv N	19	55h L6 S6	91.100 oct. Lgts prior req.
(NG) Portland Birdsdale (Ore)	8.5 E;RR N	220	23 S6	80, 91 oct.
Puyallup (Wash)	6 S;hwy W	520	42 S6	80, 91 oct.
R.C. Sugg (Orchards, Wash)	See Evergreen Fld (Orchards) under "New Facilities" - name changed.			
Reese Fly. Serv. (Selma, Ind.)	3.5 SW;riv W	975	20 S2	80 oct. P-line E, NE.
R.O.K. (Gresham, Ore)	2.2 W;RR S	285	26 S5	73 oct. Pwrline E, ENE.
Schuler (Woodburn, Ore)	2.8 WNW;RR E	200	29	req. No flood, no bcn.
SEATTLE Range (Boeing) (Wash)	260(SA)(116.1)	296°, 2.8	SBRAZ-DTXV	(3); 116.1, 122.1 Lgts prior,
Seattle Sky Ranch (Issaquah)	1.6 NNW;hwy S	50	25 L5 S6	80, 91 oct. Hill S. (Wash)
SEATTLE Navy H Fac. (Wash)	532 (WN)		MH	(4) cont.
SEATTLE NAS Tower (Wash)	230(142.74)		CN (GCA)	(3); 142.74 (8-sunset)
(N) Seattle NAS (Wash) (N)	6.5 NNE;lk E	37	51h (L6) S6	91, 100 oct. NATS.
Seattle-Tacoma (Seattle, Wash)	10.5 S; RR E	405	61h L6	P-line NE. hills sur fld.
Shank's (Indianapolis, Ind)	6 NW;hwy NE	740	32 S6	80, 91 oct.
Sheridan (Ind)	2.5 N	700	23 S6	80, 91 oct. P-line W. Data un-
(P) Sky Harbor (Indianapolis, Ind)	7 ENE;hwy S, E	730	26 L S6	80 oct. P-line E, S, SE ver.
Sky Park (Oregon City, Ore)	2.7 SE;RR NW	440	27 S6	80 oct. P-line S.
South Port Orchard (Port Orchard, Wash)	7.5 SSW;lk S	350	30 S6	80 oct.
Spanaway Acft Co. (Spanaway)	1.2 SSE;RR S	375	25 S6	80, 100 oct. P-line S. (Wash)
Sportsman Arpk (Newberg, Ore)	1 E;riv SW;hwy W	173	23 S4	80 oct. Trees NNE.
STOUT Tower (Ind)	396		CA	4495 (9-18)
(A) Stout AAF (Indianapolis, Ind)(A)	5.5 WSW	714	45h L5 S4	100 oct, 2nd ech maint only
Suco Arpk (Shelbyville, Ind)	0.7 SE;RR NE	800	23 S2	80 oct. P-line E. Data unver
Tacoma (Wash)	4.4 W;hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk (Tacoma, Wash)	2.9 WSW;RR E	250	20 S4	80 oct. Sharp drop W edge
Vancouver (Wash)	1 SE	26	19 S6	Ltd 80 oct. fld.
Vancouver, mun. (Wash)	6.7 ENE	240	26 S1	80, 91 oct. Hwy W.
Wells (Milwaukie, Ore)	1.3 NE;RR W	158	17 S1	80 oct. Use strips only
White Cloud (Greenwood, Ind)	1.8 SW;hwy E	800	24 S6	80 oct. P-line N, NE, E, SE, NW
Yorktown (Ind)	0.8 S;RR N	910	20 S6	80, 91 oct. P-line N, E, W

INSTRUMENT LANDING SYSTEMS

(Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INDIANAPOLIS (L6)	109.9	333.8	44°	IM-	MM- •—•—(0.89)	OM- ——(4.3)
					MMK- 201 —••	OMK-219 ••
McCHORD (A)	109.9	333.8	337°	IM- (0.24)	MM- ••••••(0.85)	OM- ——(4.44)
					MMK-	OMK
PORTLAND	109.9	333.8	113°	IM-	MM- •—•—(0.52)	OM- ——(4.81)
					MMK-	OMK-219 ••••
SEATTLE-TACOMA	110.3 (W)	335	338°	IM-	MM- •—•—(0.65)	OM- ——(4.6)
					MMK-371 •— ••	OMK-359 •••

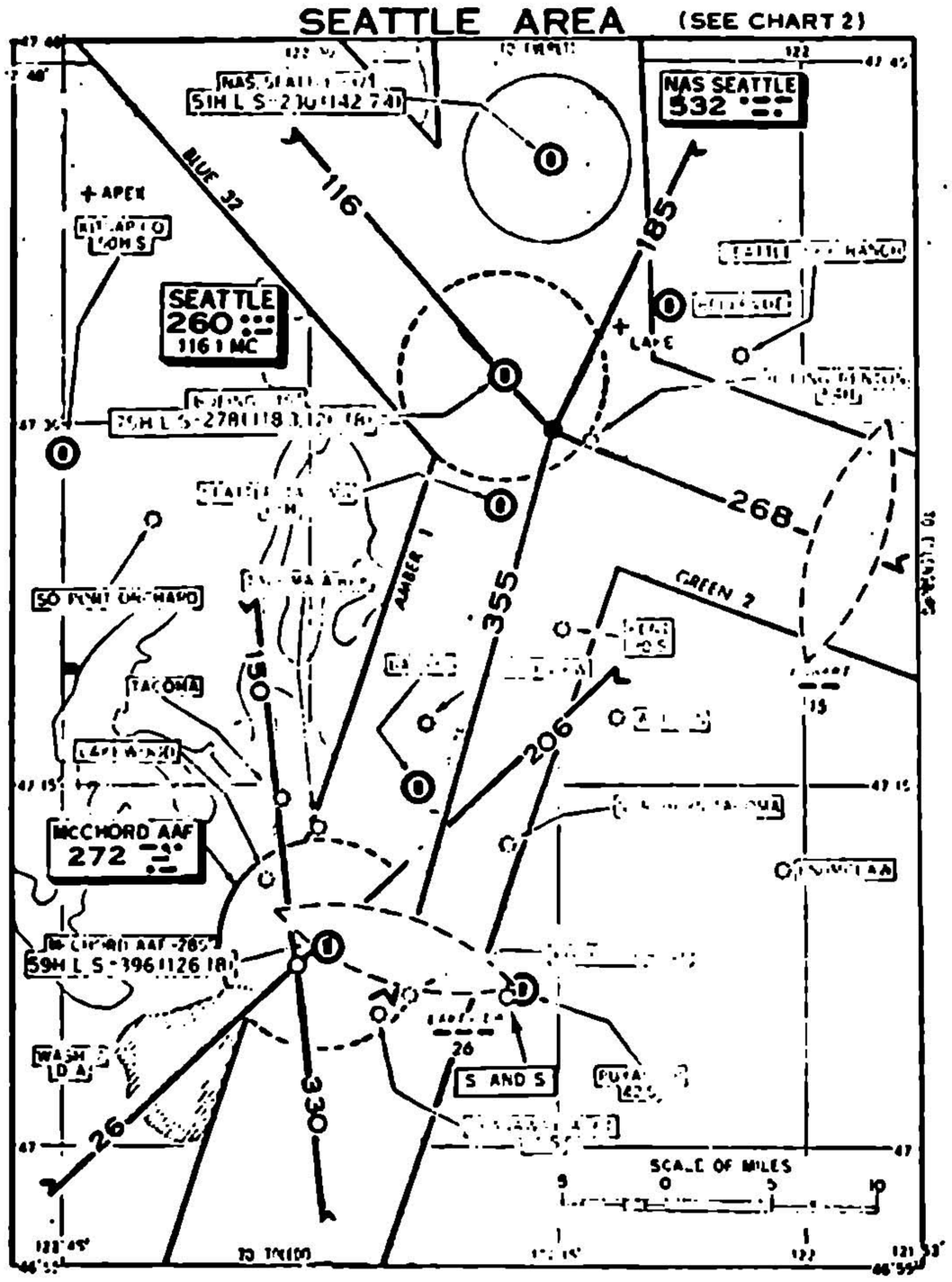
NEW FACILITIES

Bernard (Beaverton, Ore)	1.4 NNW;RR S	208	19 S6	80, 91 oct.
Columbia Co. (Scappoose, Ore)	1.2 NE;RR W	55	40h L S6	80, 91 oct. Port rnwy lgts, P.
Hillsboro (Ore)	2.4 ENE;RR E	200	41h L5 S6	80, 91 oct. line NNW.
Bellevue (Seattle, Wash)	9.5 E	345	22h S6	80, 91 oct. Rdo prs. Rnwy data unver.
Stewart (Danville, Ind.)	2 E;hwy N	750	25 S2	80 oct. Wires N, S. Use strips.
Skylife (Fairview, Ore.)	4 W;RR N	243	28 S1	80 oct. Pwrline ESE.
Division Street (Ore.)	2.4 WNW;RR E	250	28 S6	80, 91 oct. S bldk. Trees N.
Auburn (Wash.)	1.8 ESE;lk NE	276	24 S6	80, 91 oct.
Evergreen Fld (Orchards, Wash.)	3.6 SSE;hwy S	310	24 L S6	80 oct. Port lgts prior req.
Elliott-Martinsville (Martinsville, Ind)	2.8 WSW;RR N	600	26 S2	80 oct. P-line N, SW, NW.
S & S Airstrip (Graham, Wash)	3.9 N;hwy E	520	13	Tall grass SSW.
SEATTLE NAS H Fac. (Wash.)	414 (X)		MHW	Opers cont.
Converse (Ind.)	1 WSW;hwy N	850	33	

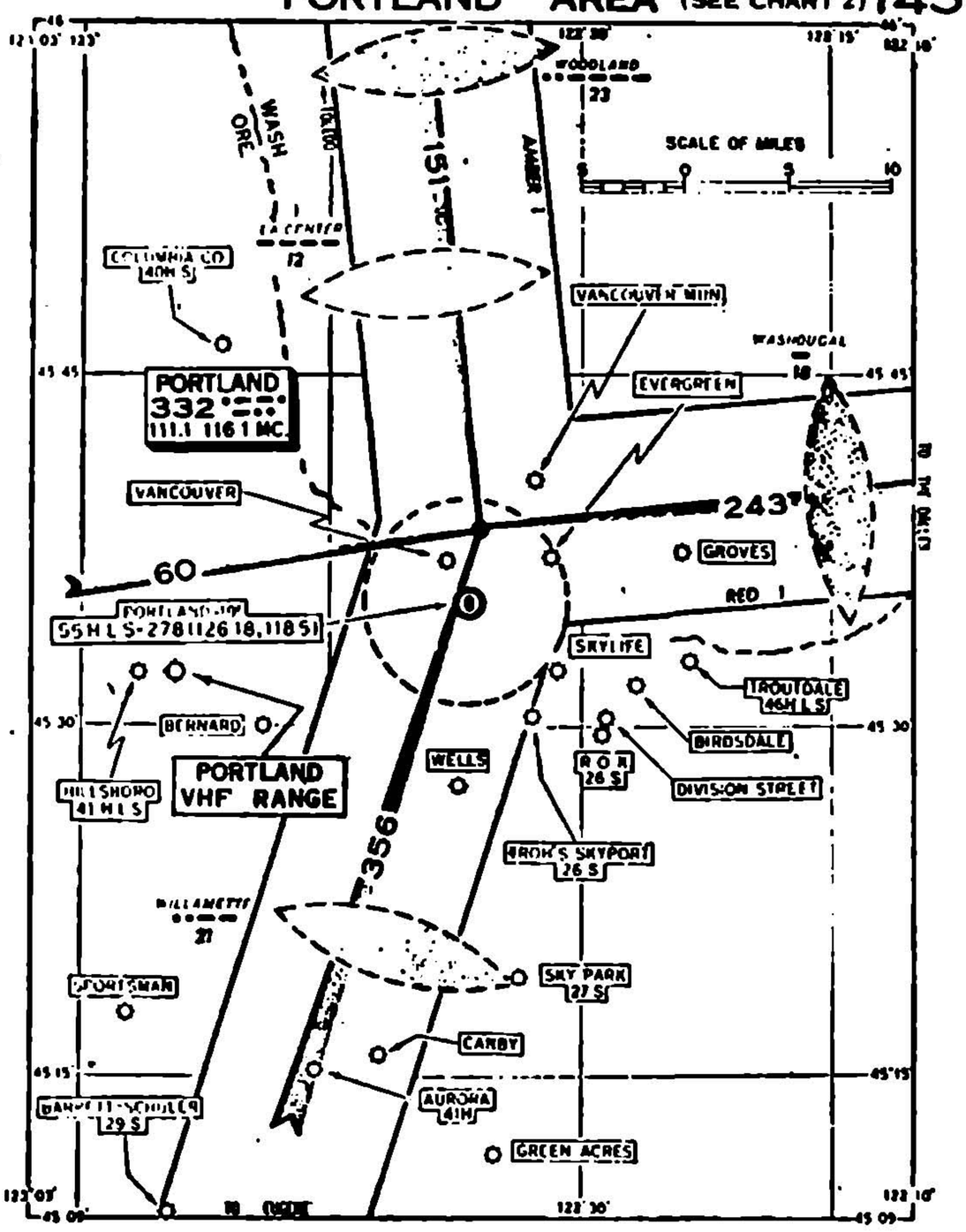
RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) →New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

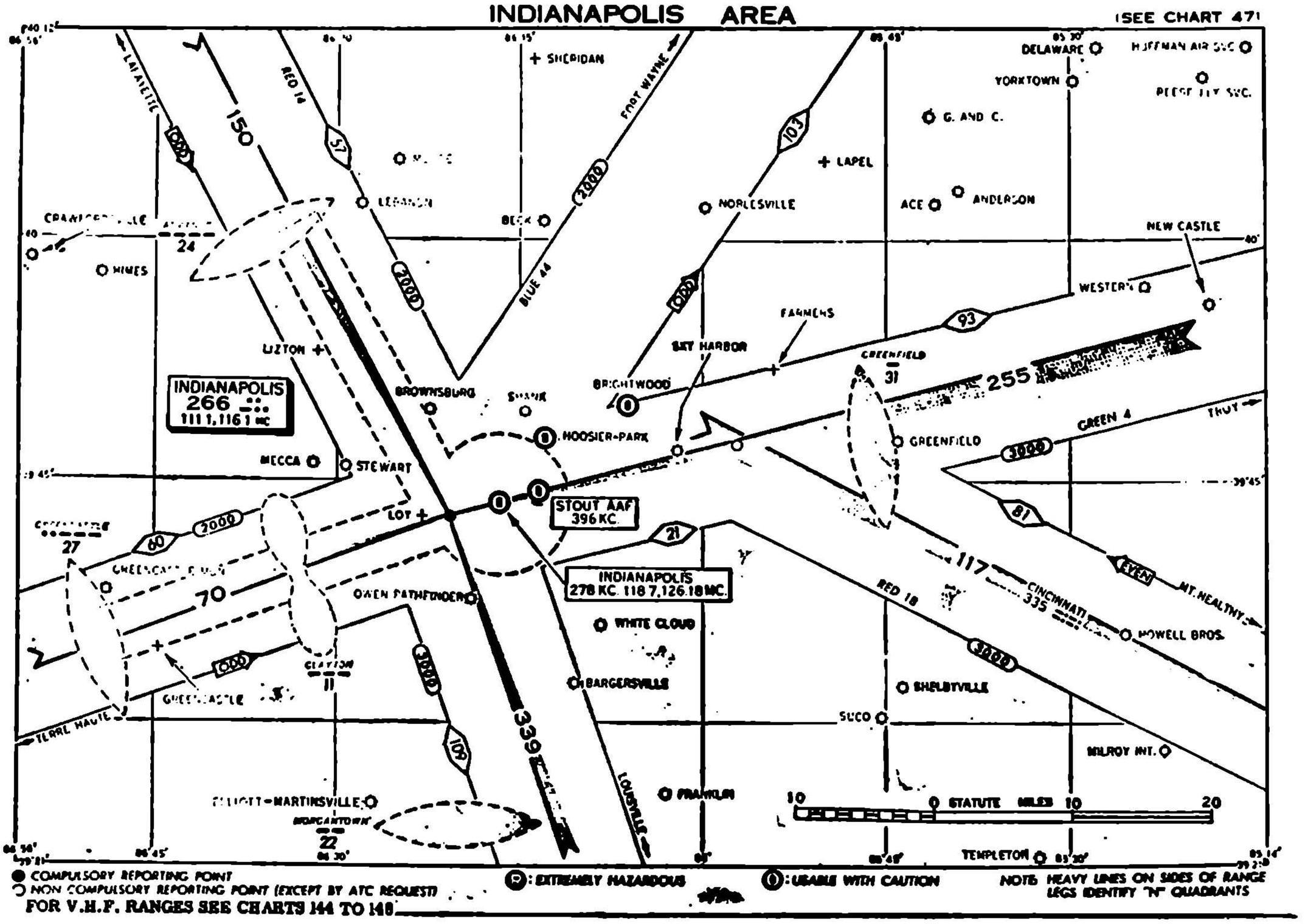
SEATTLE AREA (SEE CHART 2)



PORTLAND AREA (SEE CHART 2)



INDIANAPOLIS AREA (SEE CHART 47)



● COMPULSORY REPORTING POINT
○ NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓤ: USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

FOR V.H.F. RANGES SEE CHARTS 144 TO 148

VHF RANGE CHART - NORTHEAST AREA

MASSENA 108.7
WATERTOWN 109.1
OMNI CLEVELAND 113.9
OMNI YOUNGSTOWN 114.7
OMNI TOLEDO 113.1
OMNI SOUTH BEND 112.3
WELLINGTON 108.7
MILLBROOK 109.1
OMNI CHICAGO 115.5
OMNI ANGOLA 114.3
CLINTON CO. AAF 114.3
PHILIPSBURG 108.7
SUNBURY 108.3
WHEELING 108.3
LEXINGTON 108.3
PROVIDENCE 108.7
MATAWAN 108.7
CLINTON CO. AAF 272 RC. 116.1 126.1R 140 SB MC

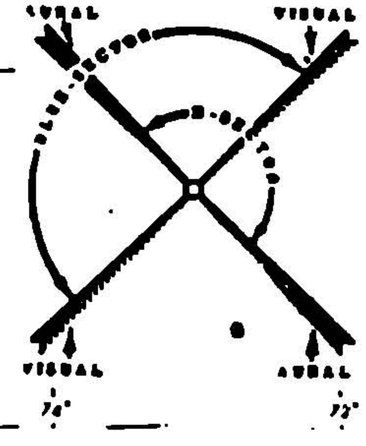
135 225 75 345 315 45
165 255
149 239 59 329
100 101 280 281 105 285 107 287 133 223 43 313 140 230 50 320 165 255 75 345 195 197 15 17 224 44 314

VHF CHANNEL ASSIGNMENTS

FREQUENCY	CHANNEL
108.3	U
108.7	V
109.1	W

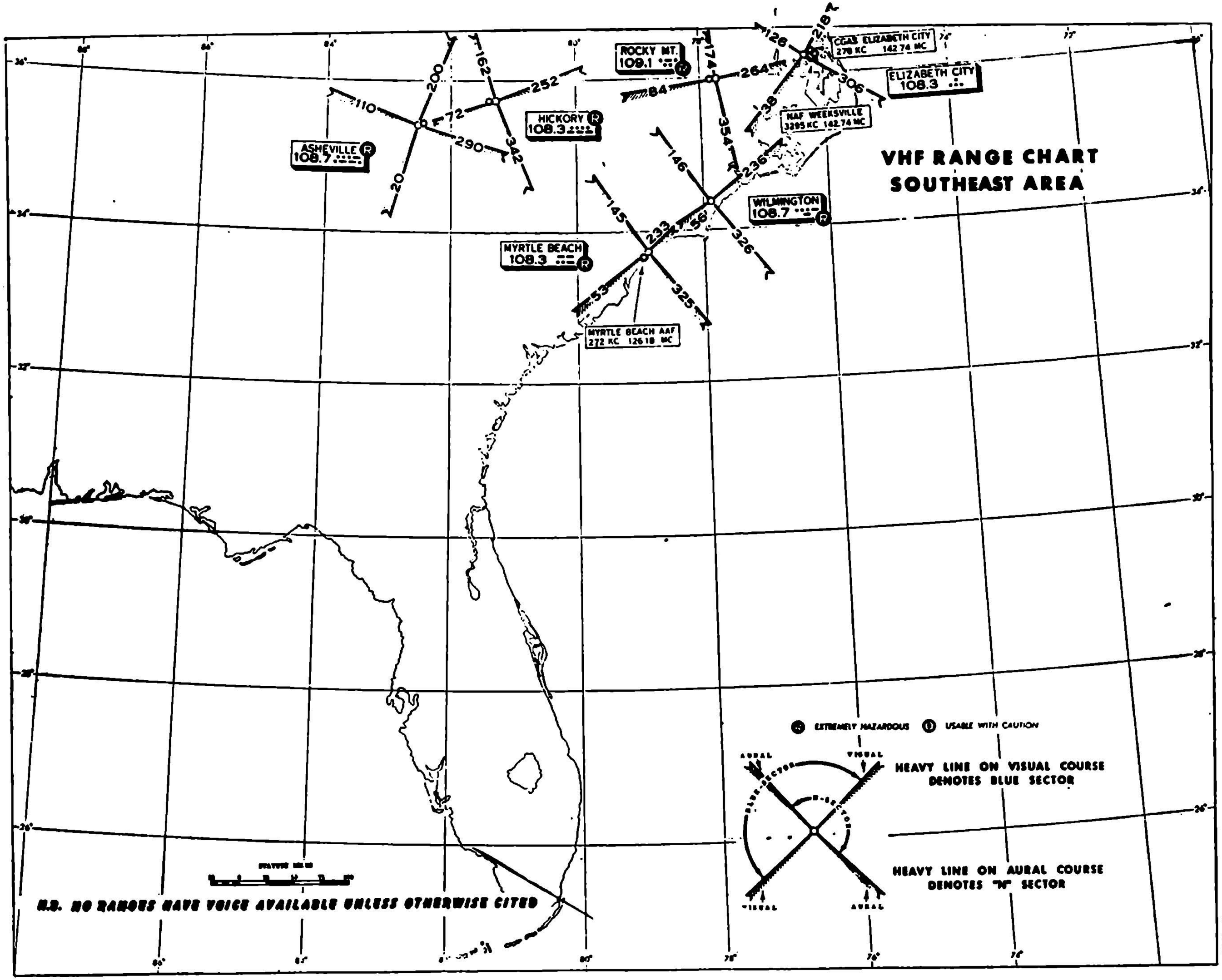
N.B. NO RANGES HAVE VOICE AVAILABLE UNLESS OTHERWISE CITED

(P) EXTREMELY HAZARDOUS (C) USABLE WITH CAUTION

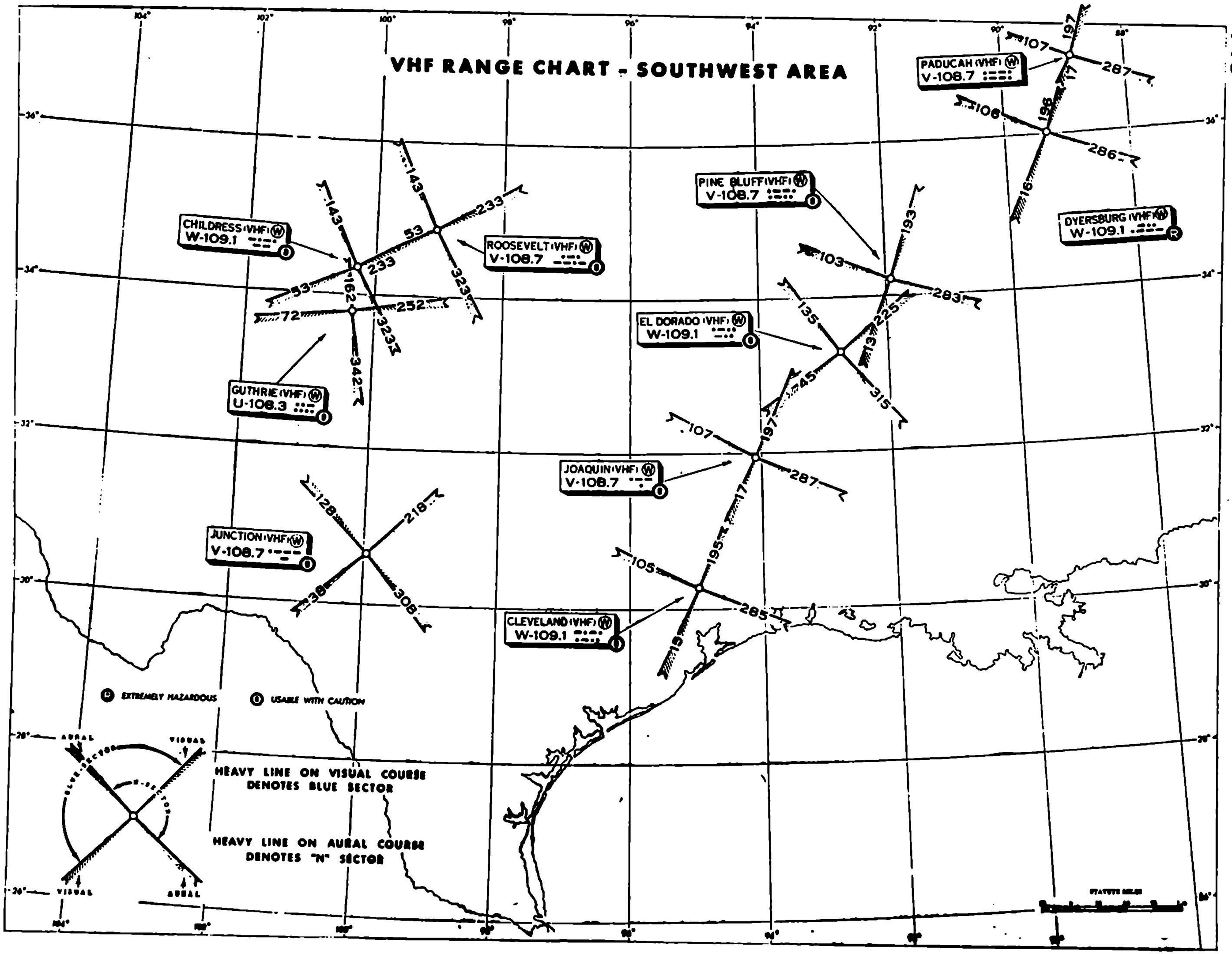


HEAVY LINE ON VISUAL COURSE DENOTES BLUE SECTOR

HEAVY LINE ON AURAL COURSE DENOTES "N" SECTOR


VHF RANGE CHART
SOUTHEAST AREA
ROCKY MT.
109.1
HICKORY
108.3
ASHEVILLE
108.7
MYRTLE BEACH
108.3
MYRTLE BEACH AAF
272 KC 126.18 MC
CGAS ELIZABETH CITY
278 KC 142.74 MC
ELIZABETH CITY
108.3
NAF WEEKSVILLE
3295 KC 142.74 MC
WILMINGTON
108.7
N.B. NO RANGES HAVE VOICE AVAILABLE UNLESS OTHERWISE CITED
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
AURAL
VISUAL
HEAVY LINE ON VISUAL COURSE
DENOTES BLUE SECTOR
HEAVY LINE ON AURAL COURSE
DENOTES "N" SECTOR

VHF RANGE CHART - SOUTHWEST AREA



VHF RANGE CHART - WEST AREA

EAGLE (VHF)
U-108.3 -.-.-

HANKSVILLE (VHF)
W-109.1 -....-

STAPLETON
278 KC 118.7
126.18 MC

DENVER (VHF)
W-109.1 ....
111.1 116.1 MC

ST. GEORGE (VHF)
V-108.7 --...

GRAND JUNCTION (VHF)
V-108.7 .--.-

SALINAS (VHF)
W-109.1 ....

PASO ROBLES (VHF)
V-108.7 ---

LAS VEGAS (VHF)
W-109.1 --...

BRYCE CANYON (VHF)
U-108.3 ....
111.1 116.1 MC

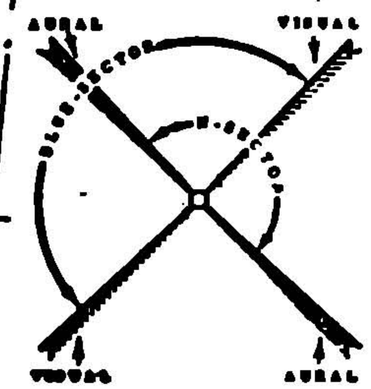
SANTA BARBARA (VHF)
U-108.3 ---

SANTA BARBARA
278 KC 118.7 MC.

LOS ANGELES (VHF)
W-109.1 .-...

LOS ANGELES
272 KC 118.9
126.18 MC

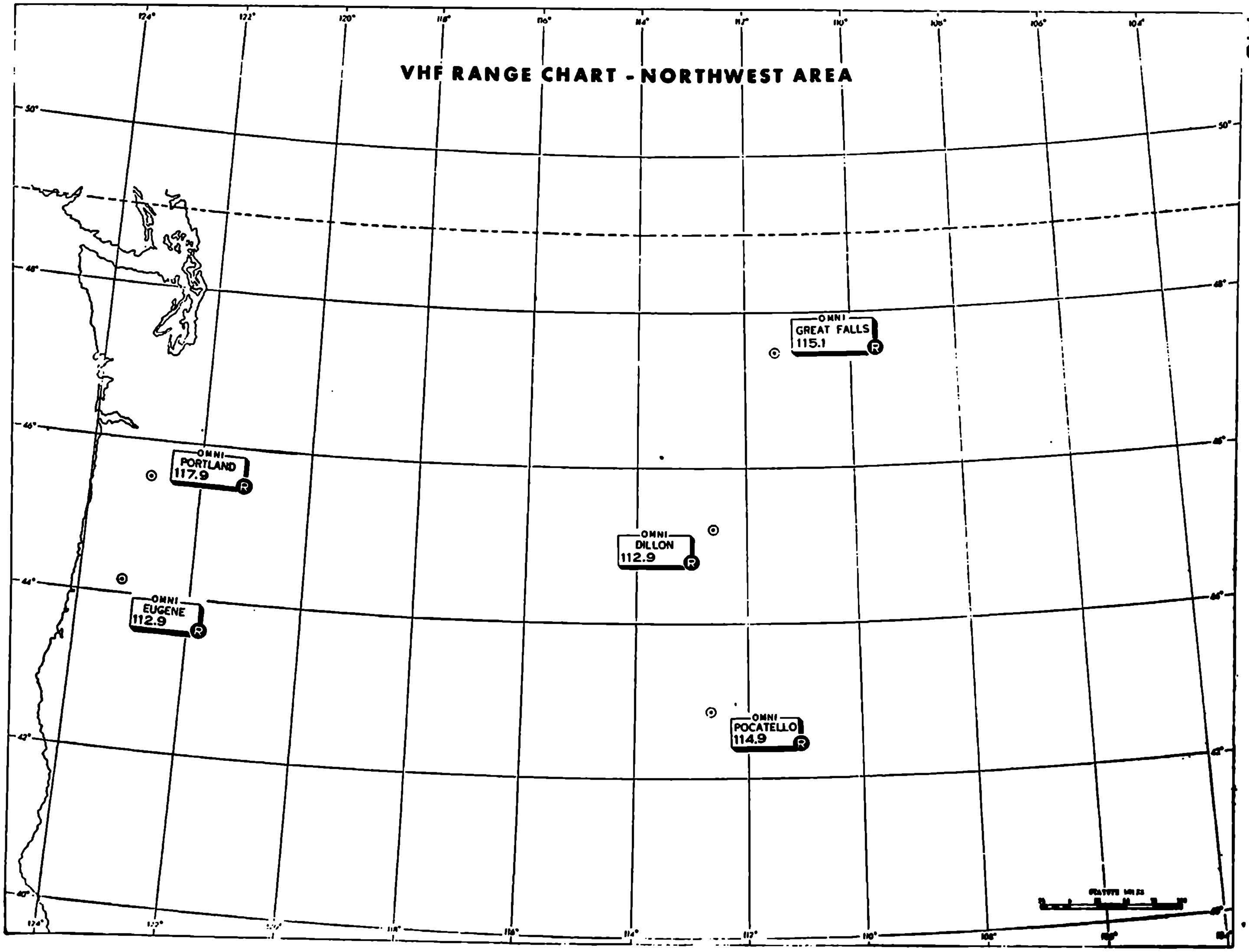
Ⓔ EXTREMELY HAZARDOUS Ⓓ USABLE WITH CAUTION



HEAVY LINE ON VISUAL COURSE
DENOTES BLUE SECTOR

HEAVY LINE ON AURAL COURSE
DENOTES "N" SECTOR

VHF RANGE CHART - NORTHWEST AREA



AIRWAY MILEAGES

ALBANY - BOSTON	147
ALBANY - MONTREAL	195
ALBANY - NEW YORK	146
ALBUQUERQUE - AMARILLO	278
ALBUQUERQUE - DENVER	408
ALBUQUERQUE - WINSLOW	234
AMARILLO - OKLAHOMA CITY	232
AMARILLO - WICHITA	300
ATLANTA - MOBILE	299
ATLANTA - SHREVEPORT	579
ATLANTA - WASHINGTON	577
BIG SPRING - FORT WORTH	253
BIG SPRING - EL PASO	282
BILLINGS - HELENA	195
BIRMINGHAM - ATLANTA	141
BIRMINGHAM - MEMPHIS	268
BISMARCK - BILLINGS	384
BOSTON - BANGOR	210
BOSTON - BUFFALO	403
BOSTON - BURLINGTON	192
BOSTON - MONTREAL	265
BOSTON - PORTLAND	95
BROWNSVILLE - SAN ANTONIO	273
BUFFALO - CHICAGO	506
BUFFALO - DETROIT	249
CHARLESTON - CINCINNATI	152
CHARLESTON - RICHMOND	362
CHARLESTON - ST. LOUIS	475
CHARLESTON - WASHINGTON	461
CHICAGO - CINCINNATI	279
CHICAGO - DES MOINES	318
CHICAGO - MINNEAPOLIS	370
CHICAGO - ST. LOUIS	257
CLEVELAND - CHICAGO	320
CLEVELAND - DETROIT	107
DENVER - ALBUQUERQUE	408
DENVER - AMARILLO	378
DENVER - OMAHA	486
DENVER - SALT LAKE	469
DENVER - SHERIDAN	400
DES MOINES - DENVER	604
DETROIT - CHICAGO	257
EL PASO - ALBUQUERQUE	251
EL PASO - PHOENIX	383
EL PASO - SAN DIEGO	666
FARGO - BISMARCK	187
FORT WORTH - EL PASO	535
FORT WORTH - OKLAHOMA CITY	181
FORT WORTH - MONROE	310
GREAT FALLS - BILLINGS	202
GREAT FALLS - SALT LAKE	488
GREAT FALLS - SPOKANE	299
GREENSBORO - ATLANTA	307
HELENA - SPOKANE	269
HOUSTON - ALICE	222
HOUSTON - CORPUS CHRISTI	184
HOUSTON - DALLAS	267
HOUSTON - FORT WORTH	274
HOUSTON - SAN ANTONIO	238
INDIANAPOLIS - ST. LOUIS	222
JACKSONVILLE - ATLANTA	275
JACKSONVILLE - CHARLESTON	208
JACKSONVILLE - NEW ORLEANS	529
KANSAS CITY - CHICAGO	413
KANSAS CITY - DENVER	568
KANSAS CITY - HURON	416
KANSAS CITY - MINNEAPOLIS	471
KANSAS CITY - ST. LOUIS	205
KEY WEST - MIAMI	157
KNOXVILLE - NASHVILLE	154
LAS VEGAS - SALT LAKE	370
LOS ANGELES - LAS VEGAS	277
LOS ANGELES - SALT LAKE	647
LOS ANGELES - SAN FRANCISCO	362
MEMPHIS - FORT WORTH	468
MEMPHIS - NEW ORLEANS	349
MEMPHIS - ST. LOUIS	261
MEMPHIS - TULSA	362
MIAMI - JACKSONVILLE	334
MIAMI - TAMPA	222
MINNEAPOLIS - FARGO	228
NASHVILLE - MEMPHIS	205
NEW ORLEANS - HOUSTON	313
NEW YORK - BUFFALO	291
NEW YORK - BOSTON	193
NEW YORK - CLEVELAND	433
NEW YORK - PITTSBURGH	335
NEW YORK - ROCHESTER	277
NEW YORK - SYRACUSE	193
NEW YORK - WASHINGTON	228
OKLAHOMA CITY - WICHITA	158
PENDLETON - SALT LAKE	495
PHILADELPHIA - PITTSBURGH	258
PHOENIX - LOS ANGELES	369
PITTSBURGH - CLEVELAND	124
PITTSBURGH - INDIANAPOLIS	353
PITTSBURGH - NEW YORK	361
PORTLAND - BANGOR	115
PORTLAND - PENDLETON	185
PORTLAND - THE DALLES	73
PORTLAND - SEATTLE	131
RICHMOND - WASHINGTON	98
ROANOKE - KNOXVILLE	244
SACRAMENTO - SAN FRANCISCO	76
ST. LOUIS - CHICAGO	257
ST. LOUIS - KANSAS CITY	205
ST. LOUIS - MEMPHIS	261
SALT LAKE - BUTTE	379
SALT LAKE - GREAT FALLS	488
SALT LAKE - SACRAMENTO	549
SAN ANTONIO - CORPUS CHRISTI	168
SAN ANTONIO - BIG SPRING	267
SAN ANTONIO - DALLAS	251
SAN ANTONIO - FORT WORTH	258
SAN DIEGO - LOS ANGELES	106
SAN FRANCISCO - PORTLAND	574
SAN FRANCISCO - SALT LAKE	625
SAN FRANCISCO - SEATTLE	705
SEATTLE - SPOKANE	245
SHERIDAN - GREAT FALLS	307
SPOKANE - PENDLETON	161
SPOKANE - SEATTLE	245
TALLAHASSEE - BIRMINGHAM	297
TALLAHASSEE - NEW ORLEANS	363
TAMPA - TALLAHASSEE	225
TULSA - ALBUQUERQUE	629
WASHINGTON - CHARLESTON	267
WASHINGTON - GREENSBORO	271
WASHINGTON - NEW YORK	226
WASHINGTON - PITTSBURGH	190
WASHINGTON - ROANOKE	196
WICHITA - KANSAS CITY	176
WINSLOW - LOS ANGELES	502

N.B. The attempt to superimpose VHF ranges cartographically upon the low frequency system practically nullified the Guide charts for either VHF or LF navigation.

It was decided, therefore, to give the VHF ranges separate coverage. With the Guide's stringent page limitations, separate VHF range charts necessitated the elimination of the Civil Airways and Mileage Charts. Specific flight advisory and traffic control area boundaries and specific fix mileages, however, may still be found on the indifical Guide Charts.

It is hoped that the mileages tabulated above facilitate flight planning because the addition of small sector mileages is no longer necessary.

NOTICES TO AIRMEN

SPECIAL NOTICES

ARMY DATA: Advice covering Army fields or Army operations on civil fields, or Army radio facilities, and also Air National Guard fields and facilities should be forwarded to Commanding General, Air Transport Command, ATTN: Flight Operations Division, A-3. Requests for approval of the closing of Army airfields or restrictions in airfield facilities to transient military aircraft for over 10 days should be forwarded to the same address for submittal to Headquarters Army Air Forces, as required. Restrictions in Air National Guard Fields or facilities will be forwarded to the National Guard Bureau through the State Adjutant General for approval. That Bureau will forward approved restrictions to the above address for publishing. Information to be published will be coordinated and submitted to the Civil Aeronautics Administration.

NAVY DATA: In accordance with Hydrographic Office Memorandum for Aviators No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air/gnd communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25,D.C. for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter No. 96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

CIVIL DATA: The Airman's Guide covers primarily two broad fields of civil airport information, namely so-called permanent data changes and temporary hazardous conditions. Permanent airport data refer to new airports or changes in field layout, servicing, lighting, or permanent obstructions of existing airports. Temporary hazardous conditions refer to conditions that make such airports temporarily unusable or usable only with caution. Such hazardous conditions could be, for example, a field closed because of floods, spring thaws, or construction; or merely a burned-out obstruction light or a runway partially unusable because of construction. Obviously, temporary hazardous conditions should be reported to the aeronautical public at once The necessity for reporting additional aids or minor changes in existing aids, however, isn't nearly as cogent In other words, a temporarily closed airport is ordinarily of much more importance from a safety angle than is a new airport, and the aeronautical public should be told about it as expeditiously as possible.

Notamizing of advice covering a field unusable because of flood, or snow, a runway closed because of construction, or the erection of a pole-line in an approach, doesn't necessitate an engineering background on the part of the reporter. Too, safety frequently necessitates the notamizing of such advice before an official check can be made On the other hand, advice covering permanent airport data changes, such as a new airport, or a lengthened landing strip, or an additional hangar, obviously doesn't require the same expeditious transmission to the aeronautical public, and the data may be checked from an engineering standpoint and for standardization before being publicized.

SUMMATION: (a) Since the aeronautical public should be immediately advised of hazardous conditions, reporters should utilize the CAA Airways Communications Stations The item to be reported, therefore, should either be telephoned or mailed to the nearest communications station for dissemination as a notam and for further transmission to the publishers of the Airman's Guide.

(b) Permanent airport data changes (as differentiated from temporary hazardous conditions) should be reported to the appropriate CAA District Airport Engineer for coordination before they are included in the Airman's Guide.

USE OF AIRPORTS BY MILITARY AIRCRAFT: (1) AAF REGULATION 85-2: The attention of Army clearance personnel and of Army pilots is invited to the provisions of Section III, AAF Regulation 85-2 and AAF Regulation 85-2A, which state in part: "Except for those Army aircraft assigned to civil contractors or agencies under bailment contract, no Army aircraft will utilize civil airports which have not been leased, purchased, or where AP-4 or similar landing rights agreements have not been negotiated by the Government, except in case of emergency or in case of official business. Each instance of flights in AAF aircraft for official business will be covered by competent air force, major air command, or higher authority orders. Each instance of flights for official business in organic aircraft of the Army Ground Forces will be covered by written orders of the commander of the unit to which the aircraft is assigned. These written orders must designate the field of intended landing. Unauthorized use of such airports is a substantiating factor in claims for damage with accompanying requests to the Government to bear maintenance and repair costs or to provide Government equipment at such civil airports. Notation will be made by clearing authorities in Remarks section of AAF Form 23 that competent authority authorizes use of such fields and will be transmitted in Remarks Section of the flight plan as 'authorized flight'. All landings by military aircraft without competent written orders on inactive, temporarily inactive Army airfields and civilian airports, except in case of emergency, will be limited to the ones identified by letters "A, N, NG, or P" in the Airman's Guide. It is the responsibility of the various air forces, major air commands and certain field activities under the direct control of the Commanding General, AAF, to prevent unauthorized use of airfields and airports as outlined in this Regulation".

2. "OFFICIAL BUSINESS" within the meaning of AAF Regulation 85-2 is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units, or organizations at or near the airfield selected for landing for the puspose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintaining flying proficiency are not considered to be official business within the meaning of this regulation

3. POLICY OF ARMY USE OF TEMPORARILY INACTIVE AIRFIELDS: (a) Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein (directory section only) by the following notice: "ARMY TEMP INACTIVE - CIVIL FACS"
(b) Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned. Such airfields will be identified herein (directory section only) by the following notice: "TEMP INACTIVE. NO FACS." Above policy statement is not to be construed as countermanding any AAF Regulations or letters governing command use of municipal airports or Army airfields.

4 "CLOSED" ARMY AIRFIELDS: Under the provisions of AAF Regulation 60-23 or under specific direction of the CG, AAF, from time to time certain airfields under the jurisdiction in whole or in part of the Army Air Forces will be listed as "CLOSED": Such as, (a) Fields closed to all transient traffic except on official business or in emergency; (b) Fields that have been declared surplus to the AAF and on which permits have not been issued for civil use or which have not been otherwise disposed of by WAA. The listing "CLOSED" will appear in the directory section only. Airfields so designated will be used on official business only under written orders in each case.

CLEARANCE OF AAF AIRCRAFT: National Guard Units are not authorized to clear AAF aircraft. At bases occupied solely by National Guard, clearance for AAF aircraft will be obtained from Flight Service in accordance with provisions of paragraph 2. AAF Regulation 60-22.

✓ ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA AND AZORES - Brookley Fld, Ala., MacDill Field, Fla., Washington National Arpt, D.C., or Westover Field, Mass. ALASKA - McChord Fld, Wash., or Great Falls AAF, Mont. BERMUDA - Mitchel Field,

✓ Indicates new or revised Special Notices

N.Y., Brookley Fld, Ala., MacDill Field, Fla., Washington National Airport, D.C., or Westover Field, Mass. CANADA - Great Falls AAF, Mont., Brookley Field, Ala., McChord Fld, Wash., Washington National Airport, D.C., Selfridge Field, Mich., or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif., MacDill Field, Fla., Kelly Field, Tex., or Brookley Fld, Ala. CARIBBEAN - Brookley Fld, Ala., Kelly Fld, Tex. or MacDill Field, Fla. ENGLAND, GREENLAND, ICELAND, AND NORTH IRELAND - Washington National Arpt., D.C., or Westover Field, Mass. NOVA SCOTIA AND NEWFOUNDLAND - Washington National Arpt., D.C., Westover Field, Mass., Selfridge Field, Mich., or Brookley Fld, Ala. HAWAII - Fairfield-Suisun AAF, Calif. EUROPEAN THEATER - Brookley Fld, Ala., MacDill Fld, Fla., Washington National Arpt., D.C., or Westover Fld, Mass.

1/ PILOT PROCEDURES WITH FLIGHT SERVICE, USING AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): (1) Departure from AAF Bases: No change. References: AAF Regulations 15-23 and 60-22. (2) Departure from non-AAF Bases: All pilots of AAF aircraft departing from a non-AAF base will file a complete flight plan, with, and when necessary secure approval from, the nearest Flight Service Center prior to take-off, or as outlined in AAF Regulation 60-22. Communication with a Flight Service Center may be established by a collect telephone call. When a telephone is not available the nearest AAF base or AACS station may be contacted by radio. After obtaining the Flight Service approval, pilots contemplating flight under Instrument Flight Rule conditions will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA communications facilities. However, if CAA commun. facs. are not available, the CAA clearance may be obtained through Flight Service. (3) Change of Contact Flight Rule (CFR) Flight Plan Enroute: AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACA airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of IFR Flight Plan, or CFR to IFR, or IFR to CFR Enroute: Any AAF aircraft requiring a change or route, altitude, point of first intended landing, cruising speed, or alternate airport, or change from CFR to IFR, or IFR to CFR, enroute will contact a CAA communications station for CAA Airway Traffic Control clearance and Flight Service approval if necessary. Pilots possessing clearance authority must furnish Flight Service their new flight plan. If communication with a CAA communications station cannot be established, an AACS airways radio station will be contacted for coordination between CAA and Flight Service and to obtain CAA Airway Traffic Control clearance and Flight Service approval when necessary. (5) CFR Position Reports: When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS airway radio stations enroute and receive any necessary advisories from Flight Service One position report each 30 minutes is considered adequate. (6) IFR Position Reports: When flying under IFR conditions, pilots will first make position reports to CAA communications stations as heretofore required by Civil Air Regulations, and then to AACS airways radio stations en route, and receive any pertinent Flight Service advisories. (7) Voice Calls: AACS airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio". (8) Arrival Reports at non-AAF Bases: Arrival reports from fields where there is no established AAF Base Operations will immediately be sent by the most expeditious means available or by a collect telephone call to the nearest Flight Service Center. (9) RON Messages: At bases not connected with Flight Service Centers by military interphone, pilots may file RON messages via long distance telephone to the Flight Service Center at the time the arrival report is filed. (10) All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency, and service obtainable. An Index of AACS airways stations within the U.S., together with a listing of the assigned frequencies, may be found on pages 100 and 101 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service	
A	118.1 mcs.	CAA AIRWAYS (RANGE STATIONS)	** AACS Airways
B	126.18 mcs.	CONTROL TOWERS	(Plan 62)
C	197.88 mcs.	AACS AIRWAYS (PLAN 62)	** Control Towers
D	140.58 mcs.	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL	

** Available for service indicated on a secondary basis.

(11) It will be some time before all AAF aircraft are equipped for operation on AACS airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt to make position reports to Flight Service as described above. Emergency Flight Service advisories, however, may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS airways frequencies will contact airways station whenever possible rather than AAF control towers. (12) The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA AREA	FLIGHT SERVICE AREA	PHONE NO.
Washington; Pittsburgh; New York; Boston	Olmsted Flight Service Center Middletown, Penna.	Steelton 93387 Steelton 93470
Jacksonville; Miami	MacDill Flight Service Center Tampa, Fla.	Tampa H-4871
Memphis; New Orleans; Atlanta .	Maxwell Flight Service Center Montgomery, Ala.	Montgomery LD 89
Cleveland; Cincinnati; Detroit;Chicago;St. Louis	Wright Flight Service Center Dayton, Ohio	Osborn 88691 Osborn 88692
Ft. Worth; San Antonio; part of El Paso	Ft. Worth Flight Service Center** Fort Worth, Tex.	Fort Worth 77251
Denver; Minneapolis; Kansas City	Lowry Flight Service Center Denver, Colo.	Denver LD 116 LD 117
Los Angeles;Albuquerque; part of El Paso	March Flight Service Center** Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland; Salt Lake	Hamilton Flight Service Center Hamilton Field, Calif.	San Rafael 770 San Rafael LD-20
Great Falls;Seattle	McChord Flight Service Center Tacoma, Washington	Tacoma LD-20 Tacoma LD-21

**REVISION OF ARMY FLIGHT SERVICE CENTER AREAS: The boundary between the March and Fort Worth Flight Service Areas has been moved. That part of the El Paso CAA area lying E of the following points now falls within the Fort Worth Flight Service Area; that part lying W within the March Flight Service Area: From 25 miles SE of the Clarendon Range, thence SSW to lat. 33°, long. 101°35', thence W to 33°-104°, thence S to 31°-104°, thence W to the U.S.-Mexican Border at 31°-105°24'.

IFR CLEARANCE OF ARMY AIRCRAFT: Except as outlined below, no Army aircraft will be cleared for instrument flight unless such aircraft is equipped with a low frequency radio receiver capable of reception in the 200 to 400 kc. band. The BC-1206 (Detrola) receiver is not considered adequate as regards compliance with this directive. Aircraft not so equipped may be permitted to clear under IFR when the instrument type clearance is necessitated by reduced local visibility caused by fog, smoke, or haze, or when the flight will not be conducted under conditions which will require navigation by radio.

1/ CLEARANCE OF AAF AIRCRAFT IN NEW YORK CITY AREA: In accordance with notification from Headquarters, Army Air Forces, July 2nd AAF Letter 63-9 has been rescinded and the following instructions will govern the clearance of AAF aircraft in the New York City Area: For clearance purposes into or from the New York City Area (encompassed by a 25 mile radius from the southern tip of Manhattan), CFR is defined as ceiling at least 2000' and visibility 3 miles or more; IFR when the visibility is not less than one mile and the ceiling is unlimited, or when the ceiling is not less than 5000' and the visibility not less than 2 miles. AAF aircraft flying into

the New York City Area may be cleared to any authorized field therein provided weather conditions are not less than those defined above. In all cases in-flight approval from Olmsted Flight Service Center by contacting Olmsted Airways, Rome Airways, Westover Airways, Mitchel Airways, or Ft. Dix Airways must be obtained prior to proceeding to the field of destination. All pilots whose destination is an airfield within the area will indicate on the AAF Form 23 that their flight plan to the field of destination is via any of the five stations listed. Flights for which the point of first intended landing is Mitchel Field may be made using normal clearance procedure and restrictions outlined herein are not applicable to that station. AAF aircraft engaged in regularly scheduled transport flights under the operational control of the Air Transport Command are exemot from these restrictions.

SELECTION OF WEATHER ALTERNATES BY ARMY PILOTS: In accordance with policy stated by the CG, AAF April 7, 1947, Army pilots are not to be refused IFR clearances because of selection of other than "A, N, NG, or P" fields as an alternate. The selection of an alternate airport is a planned procedure to be resorted to in case of emergency and any suitable airport, military or civilian, will be accepted for clearance purposes. Concerning this policy, it is pointed out that pilots who do utilize other than "A, N, NG, or P" fields under such circumstances may be called upon to justify their use of same.

V.H.F. CHANNEL ASSIGNMENTS:

Following are Army assignments:

Channel	Frequencies
A	116.1
B	126.18
C	137.86
D	140.58
G	137.70
H	134.10
U	108.3
V	108.7
W	109.1

Following are Navy assignments:

Channel	Frequencies
1	116.1
2	142.56
3	126.18
4	128.70
5	143.28
6	134.64
7	143.64
8	142.02
9	142.74
GUARD	140.58

ARMY DISTRESS, AND SEARCH AND RESCUE PROCEDURE: 1 When an aircraft is in distress and the pilot is unable to establish two-way communication on any frequency, he will transmit as follows: "Mayday. Mayday. Mayday. This is Army 1 2 3 4, this is Army 1 2 3 4, this is Army 1 2 3 4, my approximate position is --, Over." Pilot may follow this emergency transmission with any other information he deems necessary Although Channel "D" (140.58 mcs) has been designated as the Joint Army-Navy emergency frequency, the pilot in distress will use any or all frequencies at his disposal. Communication coverage on various frequencies will vary depending upon the location of control tower, airways, VHF/DF, and other radio stations. 2. To request escort by Air Rescue Service rescue plane when two-way communication can be established, aircraft in distress will: (a) Contact Flight Service through nearest AACS airways station. (b) Give position report; if position is not known, request QTF (Fix). (c) Give nature of trouble, also estimated time plane can remain aloft. (d) Follow instructions transmitted by Flight Service. (e) Follow instructions of Air Rescue Service aircraft after contact is accomplished. 3. To report sighting of crashed aircraft: (Note: Previously reported and identified crashes are marked with yellow paint). (a) Contact Flight Service through nearest AACS airways station. (b) Give position of crash. (c) Evidence of survivors, type and number of aircraft (if possible). (d) Follow instructions transmitted by Flight Service. (e) Immediately after landing make a complete report for transmission to the nearest Air Rescue Unit; also notify nearest Army Air Forces installation.

SERVICING FOR ARMY AIRCRAFT: Transient Army servicing is usually available at active Army airfields and, when available, is indicated in the remarks column, data section by an "S" designation (as defined under data legend) and octane ratings of gas are shown. At airports designated by a single (A) in the "Airman's Guide" (Joint use with civil interests), Army servicing is available unless remarks column carries "ARMY TEMP INACT-CIVIL FACS." Notation is given in remarks column to servicing available for military aircraft: for example, "91, 100 oct. Army". This may be contract service. As a matter of policy, limited servicing and maintenance will be available to transient military aircraft at Air National Guard Fields (on Form 15). Notation with regard to available facilities will be shown in the remarks column; for example, "91, 100 oct. NG". At (P) or civil fields, military servicing or Army contract fuel will not be available; servicing may be secured in emergency only on a Form 15. Army servicing may be procured at Navy fields on a Form 15.

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

PERSONAL POSSESSION OF PILOT CERTIFICATE: No person shall pilot a civil aircraft within the U.S. unless he holds a valid pilot certificate with appropriate ratings issued by the Administrator or an appropriate and valid foreign pilot certificate. Such certificate shall be in the personal possession of the pilot at all times while piloting aircraft and shall be presented for examination to any inspector of the Administration or State or local law enforcement officer upon the request of such inspector or enforcement officer.

NOTICE TO ALL FLYING PERSONNEL: Because of the increase in aircraft operations, both civil and military, in recent months, the number of complaints regarding airplane noise nuisance has reached such proportions that the advancement of aviation and development of new airports are in danger of being severely retarded. To reduce the number of such complaints, it is requested that the following practices be put into effect by all fliers: (1) Discontinue all unnecessary low flying. (2) When weather and traffic volume permit, increase altitudes of all traffic patterns that require flight over inhabited areas. (3) Re-route channels of approach and departure to avoid residential and business districts whenever possible. (4) If the airport is located near inhabited areas, reduce power and increase pitch of propellers as quickly as possible during take-off so as to keep engine and propeller noises at a minimum. (5) Keep rpm's set at a minimum required operational setting when low flying over populated areas is necessary.

RADIO TELEPHONE-OPERATION AUTHORIZATION: This is the simple way in which an authorization to operate a radio telephone transmitter in an aircraft is obtained: the applicant appears in any of the Federal Communications Commission field offices, or before any CAA flight examiner of the CAA, who has been designated by the FCC to issue the permits, proves he is a United States citizen, that he has need of such an authorization, and that he understands the few simple rules and regulations. He is given a card granting the authorization then and there. FCC offices are listed under U.S Government in phone books, and there are some 30 of them throughout the country. Mostly, they are in downtown offices. There are more than 1,000 CAA designated flight examiners. Mostly they are located at airports. The "examination", if it may be so described, consists of a few questions establishing the ability of the applicant to transmit and understand spoken messages in English, and to understand the simple rules governing the use of such equipment. He is also given simple, printed instructions for its use.

V.H.F. IFR FLIGHTS: Until further notice, Air Traffic Control will be exercised on the assumption that aircraft are utilizing intermediate frequency radio ranges. If a pilot desires to conduct IFR flight using VHF ranges over all or a portion of the route, his flight plan should so indicate. Further, flight should not be conducted on civil airways in IFR weather using VHF ranges unless the ATC clearances so authorize. (See pages 144, 145, 146 for VHF range coverage).

NEW PRIVATE FLIER VHF FREQUENCIES: All CAA Communications Stations and Towers are discontinuing receiving watches on 131.7 mcs. and 131.9 mcs. as new equipment becomes available to guard the new private flier frequencies of 122.1 mcs for transmission to CAA Communications Stations and 122.5 mcs for transmission to CAA operated towers. Practically all CAA towers now guard 122.5 mcs. but the communications station program is not fully effective yet because of non-receipt of the new receivers. CAA Communications Stations normally reply to itinerant aircraft on the voice feature of the range, low frequency or VHF, whichever is applicable. Replies are made on 111.1 mcs if VHF reply has been requested on other than range frequency. CAA airport control towers will reply to itinerant aircraft on one of the frequencies 118.3, 118.5, 118.7, or 118.9 mcs. in addition to towers' low frequencies. See individual data pages in the Airman's Guide for inclusion of these frequencies as commissioned.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS: The time of observation for all weather reports is 30 minutes after the hour, unless otherwise announced. Pilots enroute are requested to avoid, if possible, calling airway communications stations at or about 15 and 45 minutes past the hour (which are the scheduled broadcast times) to request weather information, as such calls may delay starting of scheduled broadcasts and cause inconvenience to other persons who are dependent on the broadcasts for weather reports.

RADIOTELEPHONE COMMUNICATIONS: The word ROGER in radiotelephone communications means "I have received all of your last transmission", and its use in any other sense by CAA stations and towers is not authorized. In order to avoid confusion it is suggested that pilots engaging in air-ground contacts also limit the use of ROGER to acknowledgment of transmissions.

INSTRUMENT FLIGHT, NEW YORK METROPOLITAN AREA: Revised arrival, departure, holding instrument approach and control procedures utilizing new radio aids were placed in effect in New York Metropolitan Area. Non air carrier pilots proposing instrument flight through this area or to or from Newark, Mitchel, or La Guardia Fields should write the Chief Controller, New York Air Traffic Control Center, Box 575, La Guardia Field, New York, for copies of applicable Operations Letters describing these procedures.

CFR FLIGHT PLANS, AND ARRIVAL REPORTS: CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. One hour after E.T.A., if no notice of arrival is received, queries are sent out over CAA communications systems. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. To reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

✓ TETRAHEDRONS: The tetrahedrons at the following airports were discontinued July 1, 1947: Atlanta Arpt, Ga., Orlando Arpt, Fla., Birmingham Arpt, Ala. Those at the following airports were leased to municipalities for maintenance and operation: Miami Arpt, Fla., West Palm Beach Arpt, Fla., Jacksonville Arpt, Fla., Tallahassee Arpt, Fla., Savannah Arpt, Ga., Charleston Arpt, S.C., Raleigh Arpt, N.C., Spartanburg Arpt, S.C., Charlotte Arpt, N.C., Winston-Salem, Arpt, N.C., Greensboro, Arpt, N.C., Nashville Arpt, Tenn., Knoxville Arpt, Tenn., Memphis Arpt., Tenn., Jackson Arpt, Miss. (7-3)

✓ MINNEAPOLIS AIR ROUTE TRAFFIC CONTROL CENTER AREA AND FLIGHT ADVISORY AREA BOUNDARIES: Effective July 22, 1947, the Chicago-Minneapolis Air Route Traffic Control Center Area Boundary on Green Civil Airway #2 was relocated from a point 25 miles SE of the La Crosse, Wis. Radio Range Station to a point 25 miles NW of the Lone Rock, Wis. Radio Range Station.

✓ AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: Correct "TO-08-15-1", dated June 18, 1947, (a) by correcting pages 95 and 97, to show that Coast Guard direction finder stations are inactive. Although CG radio communications stations listed are still in operation, direction finding service has been temporarily discontinued. (b) by amending HF/DF network listing by showing CAA direction finder at Pittsburgh, Pa. in operation. (c) by correcting pages 27 and 39, to show Brandywine radio range, as published in Vol. 2, No. 4 of Airman's Guide and subsequent issues. (d) by disregarding notice published in FO List No. 88 that Clinton County AAF GCA should be listed as transmitting on 4495 kcs. Notice appearing in List #94 with heading of Medford AAF, Calif. referred to above station. (e) by correcting page 106, GCA, so as to show Clinton Co. AAF, Ohio, transmitting on 4495 kcs. in addition to other frequencies listed. (f) by correcting pages 101, Sedalia AAF, Mo., so as to delete AACS Plan 62. Permanently discontinued. (g) by correcting page 60, so as to show Radio Range Station Class for Myrtle Beach, S.C., as BMRAZ. Bearing to field from range 69° mag. to rnwy #7 in place of rnwy #8. (h) by correcting page 110, Special Notices, Standard VHF Crystallization, AAF Aircraft Receivers, so as to show Channel H on 134.10 mcs. (i) by correcting page 106, Army GCA, Westover Field, Mass., as follows: Frequencies: Transmits: VHF, 116.1 mcs., HF, 3117.5 kcs. Receives: VHF, 116.1 mcs., 1500 to 18000 kcs, 200 to 400 kcs. Remarks: Cont. during IFR; 30 min. notice other times. (j) by correcting page 106, Army GCA, Andrews Field, Md. as follows: Frequencies: Transmits: VHF, 116.1 mcs, HF, 3117.5 kcs.; Receives: VHF, 116.1 mcs., 1500 to 18000 kcs, 3106, 4495, 6210 kcs. Remarks: Guards 116.1; cont. during IFR; 0800-1700 daily, and on 30 min. notice other times.

WEATHER REPORTING SERVICE

Weather Reporting Location	Type of Report	Lat., Long.	Elevation	Action Taken
Point-Adams, Ore.	Supp. Weather			Closed
Willipa Bay, Wash.	Supp. Weather			Closed
Grays Harbor, Wash.	Supp. Weather			Closed
Auburn, Calif. (Int.)	Hourly			Discont. 6-25-47
San Pedro, Calif. (Term. Isl. NAS)	Hourly			Closed
Baker, Ore.	6-Hourly			Closed
Carbondale, Ill.	6-Hourly			Closed
Eau Claire, Wis., Arpt.	Supp. Weather	44-52, 91-29	885'	Established
Mt. Vernon, Ill.	6-Hourly	38-20, 88-52	463'	Established
Banana River, Fla. (NAS)	SW, Pibal, Raob			Closed
Topeka, Kans.	Hourly			Closed
Snow Hill, Md.	3-Hourly			Discontinued
San Nicolas Island, Calif.	SW	33-15, 119-31	893'	Began
Gallup, N.M. (Gallup City Arpt)	SW	35-31, 108-47	6500'	Established
Valle , Ariz. (Valle Arpt)	SW	35-39, 112-10	5990'	Established
Longview, Tex. (Gregg Co.)	SW	32-24, 94-43	365'	Established

NOTE: Airway terminal forecasts inaugurated for Longview, Tex. and Wilkes-Barre (Avoca), Pa. (Wilkes-Barre-Scranton Airport). Airway terminal forecasts now available for Bozeman, Mont.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc.) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage

in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with two-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields, and before taxiing and taking off, should be on the alert for and be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest of Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons, indicate suspension of CFR traffic.

AIRPORT AND RADIO NOTICES

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

FOREIGN DATA

SPECIAL NOTICES

FOREIGN ENTRY PROCEDURES, AIRPORTS OF ENTRY, CUSTOMS REPORTS, CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: These procedures and regulations were all incorporated into the Flight Information Manual, Volume 2, No. 1, dated July 1, 1947. Only amendments to the data contained in the Manual will hereafter be carried in the "Airman's Guide"

UNITED KINGDOM MILITARY AIR BASE USAGE: The following United Kingdom military air bases are available to civil air carriers of only U.S. and United Kingdom and to aircraft which were purchased in either the United States or the United Kingdom and are in ferry status: (a) For regular use: Kindley Field, Bermuda; Beane Field, St. Lucia; Coolidge Field, Antigua; and Atkinson Field, British Guiana; (b) For alternate use: Waller Field, Trinidad; Vernam Field, Jamaica; and Carlsen Field, Trinidad. Even though the above fields are open to civil air carriers and ferry status planes it is mandatory that the operators of such aircraft secure approval for use of these military air bases from Headquarters, AAF, Washington, D.C., prior to the departure of each flight or series of flights.

CAUTION ADVISED IN USE OF GUATEMALA-HONDURAS AREA AERONAUTICAL CHART: Flight checks have revealed that elevations indicated on Gulf of Fonseca (710) Aeronautical Chart covering the Guatemala-Honduras-Nicaragua Area, dated December 1946, are as much as 4300 feet too low. This chart base is being thoroughly rechecked and a new chart will be issued as soon as possible.

TRANSMISSION OF INTERNATIONAL NOTAMS: Effective May 10, 1947, the transmission of international notams to Service A circuits by WSY New York was discontinued. Offices desiring receipt of this material should obtain receiving drops on the Service O system.

✓ INTERNATIONAL RADIOTELETYPE CIRCUITS: Effective May 16, 1947, WFM Lagnes, Azores permanently decommissioned. The following radioteletype circuits are established and in operation at CSY Santa Maria; WSY New York; EIP Shannon, FXO Paris; NHY Port Lyautey. Inter-island radioteletype link CSY Santa Maria to WYQY Lagnes will be continued until further advised. All above circuits are operating in accordance with ICAO Communications Procedures.

NAVAL COMMUNICATIONS WITH COMMERCIAL AIRCRAFT IN CARIBBEAN AREA: Effective March 24, 1947, and until further notice, San Juan NAS, Trinidad NAS, Guantanamo NAS guard 6515 kcs voice continuously, transmitting and receiving, for communications with commercial aircraft.

LORAN RATE RELOCATED: "Frederick Dahl Loran Rate 1L4" shifted to new operations building June 23, 1947. This change involved new antennas, Transmitter, times, and transmission lines. A Loran System error may develop.

AFRICA-Casablanca, Africa: The following established circuits are now in operation at CNO Casablanca Aeronautical communication station: CSZ Lisbon, FXW Bordeau, FOO Paris, CNC Tangier, CNS Gaercife, CNA Fez, CNV Oujda, CNU Meknes, FOR Oran, FNA Algiers, CNN Taza, CNZ Fort Trinquet, CNY Tindouf, CND Agadir, CNX Marrekech. FOK Dakar. Landline teletype to FFAG Algiers and CNPL Port Lyautey. Guards Route C radiotelegraph frequencies 3248, 6563, 8538, and 12776 kcs. Additional air ground guards 333, 336, 6510, 4195 kcs. Radio range and beacon identification "KR", 222 and 403 kcs. respectively. Tower voice VHF 116.1 mcs. and 6440 kcs.

Dakar, Africa: Effective May 15, 1947, Overseas Foreign Aeronautical Communications Station WFG, YOFF Airport, Dakar FWA, will be combined with FOK under call sign FOK. Following CAA circuits will be operated and supervised by French Nationals: A/G 3285, 6563 kcs. cont., 11319 kcs. daylight hours, point-to-point circuits, FOK/WFH Port Lyautey, FOK/ELPA Roberts Field, FOK/ZVJ Recife, FOK/ZNT Accra. Following principal circuits operation and supervision French Nationals: Point-to-point, FOK with following stations, CNB Casablanca, X 08 Natal, FOO Paris, FGS Abidjan, FNA Algiers, FSP Port Etienne, FMW Port Au France, FHK Amsterdam. Yoff Tower, range and beacon operation and supervision French Nationals, frequencies unchanged.

Dakar Weather Broadcast: Effective 0820Z GCT, March 24, 1947, station WFG commenced broadcasting Dakar METAR hourly at 20 minutes past each hour on 3289 kcs., A1 emission.

Port Lyautey Communications: Effective June 11, 1947, circuit operations NHY Port Lyautey to FOK Dakar and CSZ Lisbon were transferred to station CNO Casablanca. Following civil circuit functions remain in operation NHY Port Lyautey: Circuit 207T Port Lyautey-Santa Maria. Circuit 224 Port Lyautey-Roberts Field, Liberia. 24 hour landline teletype operations connecting NHY Port Lyautey and CNO Casablanca facilitates E and W traffic movements via 207T. Port Lyautey maintains continuous civil air ground guards 3285, 6563 kcs, 11319 kcs. from 0700 until 2200 GCT. Additional civil air ground guards 8554, 6543, 6523 kcs. upon request.

✓ AZORES-Fayal-Radio: Radio beacon call sign CTN. Operates on 333 kcs. days and on req. Air to ground call sign CTN for emergency use only on 6563 and 6577 kcs.

Florez-Radio: Radio Beacon call sign CF operates from 00 to 05, from 20 to 25 and from 40 to 45. Reliable for Homing.

Lagens-Radio: Tower operating on 116.1, 126.18 mcs. and 2834, 2993 kcs. for continuous transmitting and receiving. Tower on 4220 kcs. for emerg. and on 5000 kcs on req. GP range on 341 kcs in cont. operation with legs of 343° and 163° mag. reliable for instrument letdowns if caution is used. DK radio range on 288 kcs on cont. operation with legs of 343° and 163° mag., reliable for instrument letdowns if caution is used. Z markers are operating on both ranges. Racon beacon inoperative until further notice. SCS-51 operates cont. between 1730 and 0900Z and on 30 min. req. thereafter on channel Y for runway 16 and channel X for rnwy 34 if no glide path operating on channel Y. Localizers not modified in accordance with Technical Order 16-1-62. Long range DF on 6563

kcs day and night transmitting and receiving and receives fixing signal on 6210 kcs call sign is CSE9. Shore range DF call sign CSE7 on 4575 kcs operating on req. from Lagens tower or CSY at Santa Maria. GCA operates on one hour request on all voice frequencies. Field: Crews inbound to Lagens will be cautioned of high terrain on E and W sides of rnwy 34. Due to repairs being made on 2700' on the N end of rnwys 16/34, no GCA landing will be made on rnwy 16 until further notice.

Santa Ana-Radio: Radio Beacon call sign BB7 operates cont. on 308 kcs.

Santa Maria-Radio: Tower transmits and receives on 116.8 and 126.18 mcs and 2834 kcs. Tower transmits on 278 kcs. and guards 6440 kcs. Radio range operates cont. on 249 kcs. Call sign WY. Radio Beacon operates on 329 kcs, call sign WY. No Z marker on WY range. SCS-51 localizer on channel X on rnwy 19 operates cont. Glide path has resumed operation. Localizer not modified in accordance with T.O. on 6-1-62. Santa Airways operates on 3093 kcs cont. and on 4220 kcs in emerg. Air to ground call sign CSY operates cont. on 6563, 12776, 3248, and 8538 kcs on CW. CSY is ICAO control center for the Azores. All letdowns are to be made on the N and S legs of the WY range.

BELGIUM-Brussels: ONBU reports as from July 1, 1947, the Queen Code ICAO document 2560 will be used by all the Belgian Stations.

BRITISH HONDURAS-Belize, Landing of Private Aircraft: Aircraft intending to land at Belize Airport or on the Belize waterfront should give the Director of Aviation, Belize, British Honduras, at least 4 hours' advance notice of their intended arrival. Flight plans may be filed for transmission to Belize between the hours of 1400Z and 2400Z through MIAMI CAA-operated overseas foreign aeronautical communications stn.

BRITISH WEST INDIES-Kingston, Jamaica-Montego Bay Airport: Montego Bay Arpt. is a British-controlled airport now under limited operation by Pan American Airways. It is necessary for all flights departing from Montego Bay for points in the U.S. to file flight plans with the Kingston ATC through the Kingston Communications Station - call letters MRX. Flight plans also must be filed for all flights departing from U.S. for Montego Bay. They may be filed for transmission to Montego Bay through the CAA-operated Overseas Foreign Aeronautical Communications Station at Miami - call letters WBR, or New Orleans - call letters WEK.

Kingston, Jamaica-Palisadoes Airport Facilities: The Palisadoes Airport is a British Government controlled airport. The Government controlled tower transmits on 397 kcs only, and guards 2870, 3105, 6210 kcs. It is necessary for all itinerant flights coming to Palisadoes to file Flight Plans from point of departure to the Communications Station at Kingston - call letters MRX. This Flight Plan should be marked for Information: Palisadoes Airway Traffic Control. The route frequency of 6515 kcs. A3 emission is guarded at MRX. They have a good signal on this frequency and can be read consistently throughout the day and night in the Caribbean Area. Flight Plans may be filed for transmission to Palisadoes through the CAA-operated Overseas Foreign Aeronautical Communications Station, SBR, Miami.

Trinidad NAS: Effective June 16, 1947, Navy Squadron commenced conducting aerial gunnery from 1300Z to 2000Z daily except Sat. and Sun. until further notice. Surface craft and aircraft remain clear of area 10° N, 60°45' W, 10°30', 60°45', 10° N, 60° W, 10°30', 60°. The marine radiobeacon at Trinidad was discontinued July 10, 1947.

CANADA-Blissville-Radio: Stn now gds 3105, 3117.5,4495,6210 kcs. (7-1)

Cartierville, P.Q.-Radio: Twr now operates 0700-2100E. (7-1)

Fort William, Ont.-Radio: NW and SE courses of range realigned to 332° N and 136° N. (7-1)

Lethbridge, Alta.: Correct elev of Lethbridge Airport is 3030'. (7-1)

Moncton, N.B.: Effective July 15, 1947, the following changes apply to air ground services offered by stations CYA Moncton: Moncton CYA will maintain standby watch only on freqs. 6563, 6577, 8538, 11319 kcs. from 1300 to 2000Z daily and on 3248, 3285, 6563, 6577 kcs from 2000Z to 1300Z daily and will transmit on above frequencies only: (a) when called by aircraft; (b) on request OATC CFMO; (c) on request VOAC Vega.

Montreal, P.Q.-Dorval: Effective July 15, 1947, the following changes apply to air ground services offered by station CYB Dorval: Dorval CYB will maintain cont. watch and transmit on frequencies 3248, 6563, 8538, 12776 kcs. only.

Prince George, B.C.-Radio: SE range course realigned to 327° A. (7-1)

Sarnia, Ont.-Radio: Stn now operates cont. (7-1)

Sioux Lookout, Ont.-Radio: SE range course realigned to 312° A. (7-1)

The Pas, Man.-Radio: Stn now gds 3105, 4495, 6210 kcs. (7-1)

Toronto, Ont.-Radio: NW rng course realigned to 142° N. (7-1)

Vancouver, B.C.-Radio: Stn discont. transmitting on 116.1 mcs. (7-1)

Vermilion, Alta.-Radio: Stn now gds 3105, 3117.5, 6210 kcs. (7-1)

Wiarton, Ont.-Radio: Rng without voice comm. at lat. 44-42-15 N, 81-10-30 W Var. 7° W. Class: RAW. Rdo call "VFCF". Ident. "VV". Courses 148N, 235A, 322N,52A. Freq. 326 kcs. Bear. and dist. 53°, 4.5 mi. Arpt. elev. 729'. (7-1)

CUBA-Havana, Rancho Boyeros Airport: Effective May 19, 1947, and until further notice, all aircraft operating into and out of the Rancho Boyeros Airport must file a flight plan prior to entering the area. This applies to both IFR and CFR flights. Form of flight plan as follows: Identification; type; route of flight, time of flight departure, time of minutes, altitude, CFR or IFR indicated by C or N respectively and alternate if necessary. Example: NC60459 DC3 Miami Havana 1230 92/60N KW. For trial period and until further advised all flight plans except Expreso and those presently using PAA communications facilities may be forwarded through WBR addressed to OAHAV at no charge.

GREECE-Hassani Airport, Athens, Greece Radio Call: Effective April 30, 1947, call sign WWJC replaced Army call sign WUCW on all circuits formerly using call signs at this station.

LABRADOR-Goose-Radio: DF stn coordinates: 53-20N, 60-25W. Var. 35° W Rdo call now "VOAV". Rcvg watch on 11319 kcs discont. (7-1)

Goose Bay: Effective July 15, 1947, the following changes apply to air ground services offered by station VOAV Goose Bay: Goose Bay VOAV will maintain cont. watch and transmit on frequencies 3248, 6563, 8538, 12776 kcs., but with frequencies 3285,6577 kcs (receive and transmit) available on request.

Gore Bay-Radio: Rng without voice comm at lat 45-55-30N, long. 82-36-45W. Var. 6° W. Class: RAW. Rdo call ' VFBH". Ident. "ZE". Courses: 250A, 328N, 60A,121N. Freq. 245 kcs. Bear. and dist., 145°, 4.2 mi. Opers on req. Arpt. elev. 637'. (7-1)

MEXICO-Mexican Entry Fees: At Mexican Airports of Entry, charges include an overtime fee of 30 pesos after 12 noon for Immigration Inspection and a fee based on a full day's wage for each inspector involved for each 3 hours of overtime or fraction thereof after 2 p.m. for a Customs Inspection. Charges may also be made for a Customs guard to watch the plane and for the taxi fare to bring inspectors to the field after 12 noon. In American money total fees may approximate $15 to $20.

NEWFOUNDLAND-Military and Naval Landings: All military and naval aircraft landing in Newfoundland should use Harmon Field at Stephenville or Naval Operating Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

Gander: Gander Metar weather broadcast now in operation on 363 and 5410 kc. simultaneously at hour plus 20 min. and hour plus 50 min. Reception reports on 5410 kc. requested. Effective immediately the dewpoint will be added as a remark at the end of the Metar for Gander, Stephenville, Sydney, and Moncton broadcast by VOAC on 5410 and 363 kcs. at hour plus 20 and hour plus 50. Example: D.P. 47. Tele VOGA.

Torbay Airport: Torbay Airport open to traffic between hours of 1030Z and 0230Z. No acft will be dispatched to arrive at Torbay between hours of 0230Z and 1030Z. No traffic will be available between landing and take off minimums of 1930Z and 1030Z. Landings and take offs minimums as published in ATLD Amendment No. 16 "Mile visibility, take off night 800' 1 mi. visibility, landing day 800' 1 mi. visibility, landing night 800' 3 mi. visibility",

PACIFIC OCEAN-Weather Station Communications: Effective July 1, 1947, Pacific Ocean Weather Station FOX discontinued use of 4220 kcs for voice communications with trans-Pacific aircraft and substituted 5165 kcs for this purpose. The following paragraphs of SOP-1-A should be changed in accordance with the above: Section IV: 4 (a); 4 (b); 5 (a) (5); 5 (b); 5 (c) (1); 7 (a).

Pacific ICAO Procedures: International Civil Aviation Organization Airway Traffic Control and Communication Procedures will be placed into effect in the Eastern Pacific effective August 1, 1947.

PUERTO RICO-Caguas: Radio antenna tower under construction unlgtd until further notice. Height 150' located one and one quarter miles N of Caguas at lat. 18-15-20 N, long 66-1-53 W.

Isla Grande Airport (San Juan)-Designated an Airport of Entry (7-2)

Losey Field (Ponce): E/W rnwy under repair. Caution - men and equip. on fld. (7-16)

Mayguez Airport: Caution - do not use taxi strip W of Terminal Bldg until further notice. Men and equipment on fld. (7-17)

San Juan Seadrome Landing Lights: Effective June 9, 1947, the seadrome landing lights were discontinued and the landing light buoys were removed from the bay of San Juan at the San Juan NAS.

San Juan Pre-Flight Clearances: San Juan Civil Air Terminal (U.S. NAS), Isla Grande Airport, San Juan - All civil operations at San Juan Air Terminal were assumed by the Puerto Rico Transportation Authority effective March 4, 1947. Authority must be obtained for landings at this airport prior to the commencement of any flight. Address requests to Airports Division, Box 3508, San Juan, P.R. Cable address is "Autoritan".

San Juan NAS: Effective June 21, 1947, repairs to runway were completed. Runway was restored to normal length of 5330'.

URUGUAY-National Airport, Carrasco: Effective June 15, 1947, Air Traffic Control Tower at National Airport, Carrasco discontinued its frequency of 2870 kcs., and new frequency of 278 kcs. was commissioned. (6-3)

DOMESTIC DATA

[redacted]: ALA-TENN-GA ARPT (BRIDGEPORT)-Ctn in wet weather. (5-22)
ALBERTVILLE ARPT-SW side of strip soft, rough and washing. Soft in spots in wet weather. (4-29)
ALLENPORT ARPT (MONTGOMERY)-Muddy after rains. Use with ctn. (5-22)
ANDALUSIA ARPT-Bare in spots. Ctn in wet weather. (5-22)
ANNISTON ARPT-Ends of strips soft in wet weather. (4-29)
ATHENS ARPT-Ctn in wet weather. (5-22)
ATMORE FLYING SERVICE-1800' strip muddy when wet. (7-18)
ATMORE INT, SITE 16, NO-AG-Emerg. use only. (5-22)
BARIN NAAS EAST & WEST FLDS (FOLEY)-Closed to trans acft. (5-6)
BATES FLD (MOBILE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-18)
BEAVER DAM FLD (DECATUR)-Soft after rainy weather. (5-22)
BIRMINGHAM ARPT-Closed to civil acft not equipped with operating rcvr. Landing on sod areas approved by twr in dry weather, unsafe in wet weather. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. Tetrahedron wind indicator lctd E end E/W rnwy to be discont soon. (7-1)
BOYKIN FLD (DEMOPOLIS)-Cattle on fld. (5-22)
BREWTON ARPT, new-Cattle on fld. (5-22)
BROOKLEY FLD (MOBILE)-RADIO: AACS oper HF/DF stn temp suspended. (4-24) FLD: Soft-use rnwys, taxi strips only. (4-23)
CENTRAL PARK ARPT (BIRMINGHAM)-Avail. lgt acft in all weather. (5-22)
CENTRE ARPT-NNW/SSE strip closed. N side E/W strip rough in wet weather. Avail. lgt acft only. (4-29)
CHASTAIN'S ARPT (PRICHARD)-Soft after rains. Shallow dip near center of E/W strip. (5-22)
CRAIG FLD (SELMA)-RADIO: Army DF stn inop. (12-20) FLD: Bndry lgts inop. (5-29)
CULLMAN ARPT-Soft in wet weather. (5-22)
DAVENPORT ARPT (FT PAYNE)-Muddy in wet weather. S end rough. (5-22)
DOTHAN-RADIO: Soon, NW and SE courses will be realigned to 143° and 323°. (7-8)
EUTAW ARPT-Use NW/SE strip only. (6-17)
FAYETTE ARPT-Avail. only lgt acft during wet weather. Trees and fone line at W end.(5-22)
FLINT CREEK ARPT (DECATUR)-Soft after rainy weather. (5-22)
**GADSDEN ARPT-Formerly carried under Attalla (4-23). See page 116.
GAINESVILLE INT, SITE 55, FV-AG-Emerg. use only. (5-22)
GOODYEAR FLD (GADSDEN)-Soft in wet weather. Safe for lgt acft-land with ctn. (5-22)
GRAGG FLD, SITE 27, PS-TM (CLANTON)-Ctn in wet weather. (5-22)
GREENVILLE ARPT, SITE 24, NO-AG-Soft after rains around arpt circle on N/S strip. (5-22)
**GUNTER FLD (MONTGOMERY)-Bcn oper from dark to midngt. (7-11)
Closed to all trans acft. Use Maxwell Field. (6-24)
GUNTERSVILLE DAN ARPT-Soft spots at ends. (5-22)
HARTSELLE ARPT-Use W side fld. Avoid E side. E half of strip has small depressions extending from S end for approx 600' toward the N. Small area at SW portion fld soft after rains. (5-22)
[redacted]: HUNTSVILLE ARPT-Sod strip rough at rnwy crossings. Ngt approaches use ctn-hills NE, S, E. (4-29)
JACKSON FLD (LIVINGSTON)-Rolling and slightly rough. Soft spots along N side at SW end. (5-22)
LEGION FLD (MONROEVILLE)-Do not confuse gold course fairways with landing strips. (5-22)
LUVERNE ARPT-Ctn in wet weather. (5-22)
MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi. S looks like arpt and lgts give impression of parallel rnwys. (10-17)
McKEE FLD (JACKSON)-Soft after rains. Not licensed. Use at own risk. (5-22)
MOTON FLD (TUSKEGEE)-Use with ctn in wet weather. Soft and rutted spots along E side. (5-22)
NAPIER FLD (DOTHAN)-Avail. civil acft in emerg only. (7-3)
NORMAN BRIDGE ARPT (MONTGOMERY)-Muddy after rains, but not soft. (5-22)
NORTH SAUTY BASE (SCOTTSBORO)-SSE end soft in wet weather. (5-22)
OAK ARPT (FOLEY)-W end E/W, N end N/S strips soft in wet weather. (5-22)
ONEONTA ARPT-N 800' strip wet, soft and rough. Unserviceable in wet weather. (4-29)
PRYOR FLD (DECATUR)-Rough spots around wind sock, mrkd. (5-22)
ROBERTS FLD (BIRMINGHAM)-S side fld avail. during wet weather. (5-22)
RUSSELL FLD (ALEXANDER CITY)-Washes on S edge near W end E/W strip, mrkd. (5-22)
SCOTTSBORO FLYING SERVICE-Soft in extremely wet weather. Rough spots on SE corner. (5-22)
STROTHER FLD (GASTONBURG)-PRIVATE. Cattle on fld. (5-22)
TALLADEGA ARPT-N 700' N/S strip soft in wet weather. (5-22)
VALLEY AIR SERVICE (LANETT)-Soft after rains. (5-22)
VAN DE GRAAFF ARPT, SITE 59, FV-AG (TUSCALOOSA)-Heavy acft avoid extreme NW and SW corners of fld after heavy rains. (6-3)
WALKER CO. ARPT (JASPER)-Land inside of bndry mrkrs. Avoid new landing strip now being graded. (5-22)
WEEDON FLD (EUFAULA)-Trees in W approach. (5-22)
WINFIELD ARPT-In wet weather avoid S end N/S strip-soft. (5-22)
WOOD-DEARING ARPT (RUSSELLVILLE)-Muddy in wet weather; safe for lgt acft, but land with ctn. (5-22)
[redacted]: ASHFORK INT, SITE 36A, LA-AQ-Center 100' of strips rough, rocky, bal fld hazardous-grass, hills. (3-4)
**CASA GRANDE FLD AUX #4-Lat. 32-57-00, long. 111-45-45. See page 102.
★COCHISE-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. (7-10)
DAVIS MONTHAN FLD (TUCSON)-E fld closed-acft parked on rnwys. Blinding ceilometer W end fld between ends of NW/SE, E/W rnwys. (6-17)
DEEP LAKE INT, SITE 54A, LA-AQ-Avail. emerg. use only-soft. (3-4)
DOWNTOWN ARPT (TUCSON)-Rnwy 30 lgtd ngts for 2 weeks per month from 1900 to 2300 for pilot training. Only obst lgts are those in line with lgtd rnwy. All ngt training flights will operate S of arpt. (5-27)
**GILBERT FLD AUX. #1-Lat. 33-23-15, long. 111-40-00. See page 102.
**GOODYEAR FLD AUX #5-Lat. 33-13-45, long. 111-54-00. See page 102
HOLBROOK INT, SITE 51B, LA-AQ-Equip. on fld daylgt hrs. (5-10)
KINGMAN AAF-Closed to all flying. No obst lgts atop Haulpai Mtn 8500' MSL, 11 mi. S. (7-3)
LAGUNA LANDING STRIP-Equip. on fld. Only N/S rnwy avail. (6-20)
LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. No ngt opers. (3-13)
LUKE FLD (PHOENIX)-Traffic direction indicator on 2nd hangar from N inop. Traffic direction indicator S end N/S rnwy free-swinging. (1-7)
NOGALES INTERNATIONAL ARPT-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld avail. cross wind landings. (5-5)
PHOENIX-Inst train. on Phoenix Range between 5500' and 9500'.
**RITTENHOUSE FLD AUX #2-Lat. 33-15-30, long. 111-31-45. See page 102.
RYAN FLD (TUCSON)-Suitable for landing by all lgt acft up to and including Twin Engine Cessna, AT6, etc. Heavy acft use rnwys in wet weather. (4-28)
SKY HARBOR ARPT (PHOENIX)-Local agt flying acft must be equipped with 2-way rdo. Equip. near Rnwy 12. Installation of ILS in progress off end of Rnwys 26 and 8. (5-25)

ARIZONA: **TEMPE ARPT-Lgtd 153' rdo twr for stn KARV erected 7 mi E (90°T) at lat. 33-25-00, long. 111-49-57. (6-17)
TEMPLE BAR ARPT-Unsafe (soft)(6-25)
THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft)
TUCSON ARPT-Soon fld will not be lgtd. Acft desiring to use fld after dark shall give 2 hrs. advance notice in order that lgts may be turned on. (5-8)
WILLIAMS FLD (CHANDLER)-RADIO: Army range unreliable and to be used for training only. (6-3) FLD: Use rnwys only. Exten rnwy repair being conducted. All acft use ctn from 1200M Fri until 0800M Mon each week. (7-12)
★WINSLOW-RADIO: July 14, VARW fac comm and flgt-checked at lat. 35-03-29, long. 110-47-46. Freq. 108.7 mcs, ident. "WO". Visual courses: 21°, 201°; aural courses: 111°,291° Stn oper non-attended or without means of remote monitor. Voice fac will be added at a later date. These data rcvd too late for inclusion on charts and for Ⓥ symbol.
WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed (flood damage). Equip. on fld days. (5-27)
YUMA CO. ARPT-Parking rstd to W side fld. Bndry lgts inop. (7-10)
[redacted]: BIGGERS ARPT-Use strips only-cattle on fld. (4-26)
★BLYTHEVILLE-RADIO: July 15, rng courses realigned to 45°, 119°, 225°, 299°. Flgt-checked July 16, courses correctly aligned.
EL DORADO-RADIO: Ctn - VHF rng unmonitored. (4-10)
EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg. only. (1-10)
ERWIN FLD (NEWPORT)-Use rnwys only-cattle on fld. (4-26)
FORT SMITH ARPT-Taxi strips connecting E/W rnwy with Admin Bldg closed to all acft of 5000 lbs or more. W end NE/SW rnwy from intersection W closed, mrkd. Bndry lgts this area inop. (4-6)
GRIDER FLD (PINE BLUFF)-Closed ngts. (3-11)
HOPE ARPT-Use rnwys only. (4-9)
HOT SPRINGS MEMORIAL FLD-Use ctn when landing and taking off. Soft sod in wet weather. (5-15)
JONESBORO ARPT-Use rnwys, taxi strips only. (1-10)
LEVEE FLD (WEST MEMPHIS)-Ctn when wet. (9-23)
LITTLE ROCK-RADIO: Stn guards 3117.5 kcs 2300 to 0600
LUXORA INT, SITE 39, NO-LS-30' unlgtd pole line being erected S end N/S rnwy. (9-27)
MANILA ARPT-Use SW quarter of fld only. (4-26)
McGEHEE ARPT-Cattle on fld intermittently. (9-6)
MILLTOWN ARPT (NEWPORT)-Use rnwys only-cattle on fld. (4-26)
PINE BLUFF-RADIO: Ctn - VHF rng unmonitored. (4-10)
**POCAHONTAS ARPT-New fld. Lat. 36-14-30, long. 90-56-45. (4-25). See page 88.
PRAIRIEVILLE ARPT (ALMYRA)-Ctn on taxiways.
THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only, fld soft and rough. (3-17)
WALCOTT FLD NO. 3 (WALNUT RIDGE)-Use rnwys only-cattle on fld. Soft-heavy acft use ctn. (4-26)
**WALNUT RIDGE AAF-Formerly carried as Walnut Ridge Arpt. (4-26). See page 88
Acft parked all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0600. NE/SW rnwy closed. (3-17)
CALIFORNIA: ALAMEDA NAS-Maintain high approach on Rnwys 26L and 21. Heavy acft parked these areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility. Equip. adj to and on rnwys. Fld on positive control. (4-16)
★AUBURN-RADIO: Hourly weather reporting and teletype serv. discont. June 25th.
BAKERSFIELD-KERN CO. ARPT-Unlgtd 92' pwr line 1/2 mi N of bndry. (7-8)
BAY MEADOWS ARPT (SAN MATEO)-Const on rnwys and taxiways. Rnwy 31 usable in all weather for acft up to 10,000 lbs. Taxiways should be used with ctn during winter months. When taking off on Rnwy 31, make a climbing turn of 45° to the right after crossing 19th Ave., but not lower than 200'. When landing acft turn off rnwy toward nearest taxi strip. No taxiing back on rnwy. (5-19)
BLYTHE AAF-Obst lgts atop control tower inop. (2-28)
BORDERLAND FLD (SAN YSIDRO)-Target drone Unit 36 conducting flights between 0900 and 1600. (1-21)
BRAWLEY ARPT-Holes in extreme NW corner fld. (1-10)
BRESSON ARPT (BLYTHE)-Soft spot W side N/S strip. (5-30)
BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs).

CALIFORNIA: **BURBANK-LOCKHEED AIR TERMINAL-New type 36" rot. beacon flashing green and white comm July 10th. Old type bcn discont. (7-11) Closed to all trans P-80 acft except on special projects for modification that stn. Right traffic Rnwys 7, 15; left traffic Rnwys 25, 33. Approach lgts Rnwy 7 changed to red. 2-way rdo rqrd all acft. Rnwy 13-31 closed (parked acft). No NG facs. (7-9)
CAL AERO ARPT (CHINO)-Use rnwys only-parked acft. (3-24)
**CALIMESA ARPT-New fld. Lat. 33-58-30, long. 117-03-00. (2-9). See page 98.
CAMARILLO-VENTURA CO. ARPT (OXNARD)-Use rnwys, shoulders only. Taxiways and bldg area closed. (4-28)
CANNON FLD (FRESNO)-Will be perm closed soon. (4-8)
CASTLE FLD (MERCED)-No opers office. (3-24)
CATALINA ARPT (AVALON)-Private arpt. Scheduled Airline opers only. Use by acft other than UAL absolutely prohibited. (3-20)
CLEAR LAKE SEAPLANE BASE-Avail. emerg only. (6-11)
COALINGA ARPT-NW/SE rnwy closed until approx July 26. Shoulder adj to inside of strip avail. for taxiing. Left traffic at 600'. (7-18)
COMMERCIAL ARPT (LOMPOC)-Strips unusable. (5-30)
COMPTON CENTRAL ARPT (COMPTON)-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (1-21)
CORCORAN-135' unlgtd twr being constr adj Santa Fe RR, downtown Corcoran. Upon completion will be 148' high and lgtd.
COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (3-27)
CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs)
DAGGETT INT, SITE 13, LA-AQ-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. Areas immediately outside bndry lgts utilized for sto. Remain on rnwys unless in vcnty of bldgs N of intsn Rnwys 3,7. (3-13)
DEL MAR ARPT-Right traffic at 800' with prevailing westerly winds. (5-21)
DESERT CENTER INT, SITE 17, LA-PH-E/W strip emerg use only. (3-31)
★DONNER SUMMIT-RADIO: Soon, BMRL fac will be shut down for approx 10 days for const. Advise VHF voice on 111.1 mcs. Stn gds 3105, 4495, 6210, 3117.5. Too late for data pg. & chart.
EL CAJON ARPT-Right traffic when landing and taking off to the E. (3-26)
EL CENTRO NAS-Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. Tetrahedron lgtd all times. (5-22)
★FAIRFIELD-SUISUN AAF-RADIO: Glide path of Army ILS (SCS-51) lctd 1530' from approach end of rnwy, 3238' from center line of yellow side of lclzr beam. Bndry mrkr lctd 300' from approach end rnwy, keying steady tone. Middle mrkr lctd 4500' from approach end rnwy, keying six dots per second when used. Outer mrkr (Z mrkr of rdo rng) lctd 4.6 mi from approach end rnwy, keyed cont. (7-14) Army range unreliable, use for homing only. (6-5) AACS oper HF/DF stn temp suspended. (4-24)
FLD: First 1000' Rnwy 25 open to acft days and CFR oper only. (6-5)
FILLMORE ARPT-Private fld. Acft parked adj to strip. Expected to be open to public soon. (3-20)
**FULLERTON ARPT-Obst and port range lgts prior req. (2-13). Se page 138.
**FURNACE CREEK ARPT-Formerly carried as Death Valley National Monument (Furnace Creek)(2-28). See page 76. All traffic away from mountain side of strips regardless of wind (5-21)
GILLESPIE ARPT (EL CAJON)-Use E/W rnwy only. Right traffic when landing and taking off to the W. (3-26)
GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000. LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. Closed ngts (lgts inop. (1-28)
HAMILTON FLD (SAN RAFAEL)-RADIO: AACS oper HF/DF stn temp suspended. (4-24)
FLD: Exten to Rnwy 12 closed except in emerg. (10-18)
HARMON FLD (HEMET)-Traffic pattern 2200' indicated or 600' above ground. Left traffic when landing or taking off to the NE-right when landing or taking off to the SW. All flying under supervision of airport manager at all times. (3-19)
HASTER FARM OLF (GARDEN GROVE)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Airport. (3-26)
HOBERG ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)

CALIFORNIA: HOLTVILLE ARPT-Closed-emerg. use only.
HORSE FARM OLF (LOS ALAMITOS)-Closed to all civil acft except in emerg or by approval of the CO, NAS, Los Alamitos. (4-9)
HUGHES ARPT (CULVER CITY)-Closed to public use except in emerg. (5-2)
HUMBOLDT CO. ARPT (EUREKA)-25' telephone wires NW end NW/SE rnwy, 100' back from end of rnwy. Right traffic pattern. (5-5)
★INYOKERN-RADIO: July 2, ident. of Navy range changed to "NID".
LINDBERGH FLD (SAN DIEGO)-Right traffic Rnwys 27 and 31, left traffic Rnwys 9 and 13. (6-19)
LIVERMORE NAS-Avail. emerg. use only. (10-1)
LIVERMORE SKY RANCH ARPT-Avail. lgt acft only, except in emerg. (2-18)
LOCKHEED AIR TERMINAL-See Burbank.
LONG BEACH ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (3-20) FLD: Limited maintenance and fuel supply Army acft. (6-9)
LOS ALAMITOS NAS (LONG BEACH)-Closed 1630 to 0800 except in emergency or by prior arrangement. (4-9)
LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl Area from 2000 to 2300. (7-2 6)
LOS ANGELES ARPT-Caution approach to Runway 29 - two 25' poles at airport boundary within this approach zone, unmarked, unlighted. Parked acft within approach zone to and parallel with S side Rnwy 29, Unlighted oil derricks on approach to Rnwy 34. E/W paved strip S side fld available taxiing only. All landings, take-offs and taxiing restricted to paved areas. Runway 4-22 closed. Unlighted 40' pole 350' S of tower. (7-2)
LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be available on shore notice due to congestion in anchorage area. Two hours advance notice should be given if possible. (7-1)
MACHADO AIRPORT (SANTA MARIA)-Use strips only. (2-23)
MARCH FLD (RIVERSIDE)-RADIO: AACS oper HF/DF stn temporarily suspended. (4-24) FLD: Rnwy 7-25 closed-avail. on twr permission only. (1-8)
MARTINEZ ARPK-Unusable during rainy weather. (5-26)
MATHER FLD (SACRAMENTO)-Use rnwys only-mat unserviceable. (1-29)
McCLELLAN FIELD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equipment and parked acft adjacent all runways and taxiways. Shoulders, unsurfaced areas unsafe. (4-23)
MERCED MUNICIPAL AIRPORT-Daylight operation of beacon is to warn local and trans. aircraft of approaching airline aircraft. Ctc, approach lgts inop. (6-24)
MILE SQUARE FARM OLF (SANTA ANA)-Closed to all civil aircraft except in emergency or by approval of the Commanding Officer, Naval Air Station, Los Alamitos. (4-9)
**MIRAMAR NAAS (SAN DIEGO)-Formerly carried as Miramar MCAS (7-2). See page 98.
MODESTO ARPT-Range lgts being installed across rnwy ends. Const and soft spots, mrkd. (3-28)
**MOFFETT NAS LTA-HTA (MOUNTAIN VIEW)-Hi-intensity approach and rnwy lgts avail. (6-17). See page 74. Fld on positive control. Multi-engine acft above JRB class use Rnwy 14L-32R only, except in emerg. N connecting taxiway closed to all traffic. (6-17)
MOJAVE NAS-Closed to all aircraft except on official bus. (5-21)
MONACHE MEADOW LANDING STRIP (OLANCHA)-Strip maintenance uncertain-ctn.) (5-30)
MONTEREY PENINSULA AIRPORT-Right traffic Rnwys 24, 28; left Rnwys 6, 10. (5-20)
**MOUNTAIN VIEW ARPT (PORTERVILLE)-New fld. Lat. 36-03-15, long. 119-02-30. (10-15) See page 76.
★MOUNT LAGUNA-RADIO: July 15, frequency of MH facility changed to 382 kilocycles. (7-1)
MUROC AAF-RADIO: Army range unreliable, to be used for homing and training only. (6-9) FLD: Lctd within a danger area. No facs 1900 to 0700 or Sundays. Closed to all transient aircraft except on written permission Commanding General, Air Materiel Command. Aircraft will not carry transient passengers to this fld. (3-7)
NEEDLES ARPT-Wind cone inop. (6-21)

NEVADA: NEWHALL INT, SITE 3A, LA-SF-No fuel. (5-30)
OAKLAND ARPT-RADIO: Twr equipped to transmit on and guard 121.7 mcs for mobile ground traffic. (7-2) FLD: Rock surface area adjacent to Rnwy 27R available small aircraft. Adhere to instructions issued by twr. Maintenance facs available 0800 to 1800. Closed to acft not equipped with two-way rdo except acft may land for repairs or fuel without radio on permission from airport superintendent. Rnwy 6-24 avail. lgt acft on ly. Taxiway leading from Rnwy 33 to Navy ramp closed. Equip. on E/W taxiways and parking apron sealing expansion joints. Heavy acft use rnwys, taxi strips only. Airport channel unmarked day, ngt. (5-13)
O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only, muddy when wet. (5-19)
**ONTARIO INTERNATIONAL ARPT-Formerly carried as Ontario Arpt (1-16). See page 138.
OXNARD-VENTURA CO. ARPT-Bndry lgts inop. Const, equip. on fld days. Use rnwys, taxiways only. (4-26)
PALM SPRINGS ARPT-Right traffic, all take offs and landings on Rnwys 31, 35. Rnwys 13, 17 usual left. (5-17)
PLUMAS CO. ARPT (BECKWOURTH)-Use rnwys, taxi strips only-turf rough. (6-2)
**PUMPKIN CENTER ARPK (BAKERSFIELD)-New fld. Lat. 35-16-15, long. 119-02-15. (10-14). See page 74.
REDWOOD FLD (ARCATA)-RADIO: Effective June 26, ILS at Landing Aids Experimental Station will be inoperative 0800 to 1700 Mon. thru Fri. until July 26. Cont. oper. at other times and avail. on 30 mins notice IFR during above hrs. (6-26) FLD: Closed to acft without 2-way radio. Use surfaced areas only. (3-25)
SACRAMENTO AIRPORT-Use rnwys, taxi strips only - shoulders and fld soft. Unsafe small acft-rough. (2-21)
SAN CLEMENTE ISLAND OLF-Closed except in emerg. (6-3)
SAN DIEGO-Night fighter training being conducted within the following described areas: (a) A sector of a circle with radius of 40 miles centered at latitude 32-54-30, longitude 117-07-24 extending clockwise between latitude 32-20-00, longitude 117-03-20, and latitude 33-18-20, longitude 117-37-30, excluding those portions which lie within the confines of civil airways and S of the United States-Mexico Boundary. (b) A sector of a circle with radius of 40 miles centered at latitude 32-54-30, longitude 117-07-24 extending clockwise between latitude 33-23-30, longitude 117-29-30 and latitude 32-50-30, longitude 116-26-30, excluding those portions which lie within the confines of civil airways.
★SAN DIEGO NAS-RADIO: Navy tower call is "NORTH ISLAND TOWER". FLD: Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing through Point Love (black and orange checkered floating pyramid) unless directed by tower. Point Love (black and orange checkered floating pyramid) is lctd 1-1/2 mi S of Hotel Del Coronado. Aircraft crossing air traffic lanes at North Island must be above 1500'. Aircraft will not fly over Coronado or Amphibous Train. Base at an altitude of less than 1500'. Multi-engine aircraft land on heavy duty rnwys, single-engine acft on asphalt mat. (6-3)
★SAN FRANCISCO-RADIO: Effective July 1st, Overseas Foreign Aeronautical Communications Station KSF discontinued use of voice frequency 4220 kcs send-receive and activated in its place voice frequency 5165 kcs send-receive Pilots radiotelephone service at KSF radio San Francisco maintained on VHF 116.1 mcs and 5165 kcs. Pilots radiotelephone service on 2870 kilocycles send-receive will continue to be maintained for seaplanes only.

[redacted]:SAN FRANCISCO ARPT:-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic.(6-3),About Aug.1, CAA ILS will be comm serving E/W rnwy with approach from E. Lclzr freq 109.5 mcs with ident "SF", transmitter lctd 220' from W end E/W rnwy. Glide path freq 332.6 mcs, transmitter lctd 550' from E end E/W rnwy and 625' N of rnwy centerline. Outer mrkr will be lctd 6.6 mi from E end E/W rnwy, keyed 2 dashes per sec, inner mrkr will be lctd 4550' from E end E/W rnwy, keyed alt. dots and dashes. No bndry mrkr. Will oper cont. (5-14) FLD: Avoid rnwy, taxiway shoulders. Turf area closed, unmrkd hazards. Use rnwys, taxiways. Equip. extreme E end Rnwy 10-28. E 2000' Rnwy 10-28 closed for landing acft days only. (6-2)

SAN FRANCISCO CGAS-Seaplane harbor, channel and landing area unmarked day or ngt. Facs avail., but unmrkd. Seaplanes landing can be taken care of either at Coast Guard or PAA. (3-22)

SAN MATEO ARPT-Avail. lgt acft only-const. (2-24)

SAN NICOLAS ISLAND OLF-Use in emerg only (caretaker status - no facs).

SANTA BARBARA ARPT-Equip. on fld. Closed to glider opers. (6-14)

★SANTA MONICA ARPT-CLOVER FLD-RADIO: Cl twr oper 0730 to 2000.(7-22). Too late for data page. FLD: Avail trans. acft with 2-way rdo. Clzd ngts and to all student pilots. (5-6)

SHASTA SKY RANCH ARPT (FALL RIVER MILLS)-Approx 1/3 of the main strip has been gravelled and should be used during the winter months. Medium and large acft avoid during the spring thaw. (5-26)

SHERMAN FLD (WALNUT CREEK)-NW/SE strip closed. Equip. adj to NNE/SSW strip. (5-6)

SHERWOOD FLD (PASO ROBLES)-40' unlgtd wires E end E/W strip. (3-17)

STOCKTON ARPT-Rnwy 4-22 closed. Taxi lgts inop. No 100 oct. Single ended bcn operating without course lgts. (5-11)

SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer NAAS Ream Fld. No communications at landing strip. (12-5)

TEMPLETON MEADOW FLD (OLANCHA)-Unusable. (5-30)

TERMINAL ISLAND NAS (SAN PEDRO)-Bcn will be discont soon. (6-28)

••TRI-CITY ARPT (SAN BERNARDINO)-Rng, apron flood and obst lgts on req. (1-9) See page 98.

TRONA ARPT-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (3-7)

TUNNEL LANDING STRIP (OLANCHA)-Strip maintenance uncertain-ctn. (5-30)

VAN NUYS METROPOLITAN ARPT-Avail. civil acft providing they have off. bus. with one of the acft companies lctd on fld. Acft without rdo may enter providing previous arrangements have been made with twr. (12-5)

••VERNALES ARPT-Inactive (7-2) See page 74.

VICTORVILLE AAF-Use Rnwys 16L-34R, 7R-25L, 3R-21L only. (5-13)

VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (3-25)

WARM SPRINGS ARPT-Heavy acft avoid fld during rainy weather. Glider opers with plane and auto tows. Tall grass and equip. on fld. (3-14)

••YUCAIPA ARPT-New fld. Lat 34-00-00, long. 117-01-30. (2-9) See page 98.

[redacted]:BUCKLEY FLD (DENVER)-RADIO: 126.18 mc transmitter temp inop. (4-7) FLD: No lgts, messing, transportation or lodging facs. (4-5)

CRESS FLD (WESTCLIFFE)-Use rnwys only. (2-19)

FLAGLER ARPT-Avail. ski-equipped acft after heavy snow. (2-19)

FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy. (9-29)

LOWRY FLD (DENVER)-Equip. on fld 0800 to 1700, Mon thru Fri. (4-11)

••PINE VALLEY ARPT (COLORADO SPRINGS)-Lgtd 148' rdo twr for stn KHGF erected 6.7 mi E (100° true) at lat 38-57-25, long. 104-41-25. (6-26) All rnwys avail. between mrkrs only. Use rnwys only. (6-13)

PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 38-17-28; S by lat 38-16-19; W by long. 104-18-38; E by long. 104-17-40.

PUEBLO ARPT-Rot. bcn atop hangar when lgtd indicates fld closed except to scheduled air carrier acft. NW/SE rnwy unlgtd. NE end NE/SW rnwy designated as calm wind rnwy. Tetrahedron modified to automatically choose the calm wind rnwy when wind velocity below 7 mph. All acft land, take-off according to the tetrahedron. Two 300' twrs Rdo Stn KCSJ erected, but not comm, lctd 5 mi NE (40° true). (7-17)

••[redacted]PUEBLO AAB-Lgtd 205' twr for stn KHHF erected 4.0 N (6° true) at lat 38-20-50, long. 104-29-24. (6-26)

RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (1-17)

ROYAL GORGE ARPT (CANNON CITY)-Do not land to theS (fone lines). (5-14)

RUSTON FLD (DENVER)-Strips soft during wet weather. NE/SW strip closed. (6-6)

RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.

SALIDA ARPT-Landings should ordinarily be made to the W and take-offs to the E. (6-13)

SKY RANCH ARPT (DENVER)-Right traffic Rnwys 26,30,36; left traffic Rnwys 8, 12, 18. Traffic controlled by tetrahedron. Avail. CFR oper days only. (6-13)

••TRINIDAD ARPT-Lgtd 265' rdo twr for stn KHGI erected 23.6 mi ENE (75° true) at lat 37-20-30, long. 103-55-20. (6-26) Strips avail. lgt acft. (2-21)

WALKER FLD (GRAND JUNCTION)-Heavy acft use rnwys only. (6-13)

[redacted]:BRAINARD FLD (HARTFORD)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-16) FLD: Equip. on fld intermittently. 300' bldg under const 1-1/2 mi NW fld bndry, close to NW leg Hartford Rng. Flood lgts N end N/S rnwy inop. Eleven street lgt poles erected W side fld, unlgtd. Lgts approx 12' below top of poles. (6-2)

BRIDGEPORT ARPT-Use rnwys only. Exten lcl traffic days. Acft landing without establishing rdo communs with twr must conform to lcl traffic pattern. Observe twr at all times for lgt gun signals especially on base leg and final approach. Clear rnwy toward twr immediately after landing. All acft without rdo communs with twr should determine proper rnwy and taxi route from twr or opers prior to taxiing. (6-10)

BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans student pilots. Const N and S ends of fld and on taxiway between fld and shop. (4-21)

DANBURY-SPECIAL NOTICE: Danbury Fair Inc operating a search lgt at Danbury Speedways every Sat ngt thruout the summer season. (5-27)

HAMMONASSET FLYING FLD (MADISON)-Use NE/SW strip. E/W strip avail. in emerg only (bldgs, hedges on W bndry). (5-6)

HARTFORD-RADIO: Auto rng monitor. sys inop. (9-30)

KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only. (4-21)

NEW HAVEN ARPT-Avail. days only. Use rnwys only. No lcl take-offs or landings during airline arvls and dptrs when signalman stationed at approach end of rnwy being used, displaying red flag. (4-21)

SOUTHINGTON ARPT-Right traffic when taking off and landing to the E and SE. (4-26)

STEPHENSON ARPT (BRISTOL)-S 350' N/S strip being graded. Equip. and rough area mrkd, bal rnwy avail. lgt acft. (4-21)

TRUMBULL FLD (GROTON)-Water twr being const atop hill 1 mi NW. 107' derrick being used during const, unlgtd. (5-19)

WATERBURY ARPT (PLYMOUTH)-Muddy with scattered puddles-avail. with ctn. (3-11)

DELAWARE:NEW CASTLE CO. ARPT-Use rnwys only. Equip. on fld days. (3-14)

DIST. OF COLUMBIA :SPECIAL NOTICE-The Administrator of Civil Aeronautics has designated the Mt. Vernon National Monument a congested area. In accordance with C.A.R. 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat 38-42-40, long. 77-05-30.

SPECIAL NOTICE-TELEVISION TWR 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL ARPT, LAT 38-53-46, LONG. 77-08-05. (3-28)

ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of two hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd. (7-12)

BOLLING FLD (WASHINGTON)-Closed to all trans acft except on off. bus. and written orders. Trans acft will utilize Andrews Fld, Md instead. Rnwys 10-28, 14-32 closed. Rnwy 17-35 closed to acft when weather minimums below ctc flgt minimums. Rnwy-2-20 avail. (7-12)

WASHINGTON NATIONAL ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs. for mobile gnd traffic. Following inst landing minimums have been estab for all Army traffic except sched ATC flgts. Day and ngt: Form 8 white card holder 800' and 1 mi. Form 8A green card holder - 500' and 1 mi. Army acft landing this arpt will not use B channel VHF to ctc twr for landing and take-off instructions. B channel VHF will be used in case of emerg only. (1-16) FLD: ARMY: Use of this arpt by Army acft is prohibited except for: (a) Scheduled ATC traffic. (b) Landings and take-offs necessary for overseas

DIST OF COLUMBIA: flgts using customs and immigration clearance facs of aerial port of embarkation. (c) Flights transporting VIP and General Officers above grade of Maj. Gen, as well as officials in similar or corresponding category of executive branches of Gov't who may be using Army acft. Army acft authorized above to use arpt will be manned by fully competent crews who are well versed in air traffic control procedures peculiar to Washington Area. Army acft landing this fld should taxi to new ATC Term Bldg N of Admin Bldg. NAVY: Closed to Navy acft except NATS. Use Anacostia NAS. In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. GENERAL: Closed to acft without rdo. Stay on paved areas-shoulders soft. Equip. on fld. Parking area ltd-turf soft. At times pilots of priv acft will be unable to secure parking space. Lgtd trailer 500' W of centerline of N/S rnwy at N end. (2-15). 315' twr Rdo Stn WOOK under const 7 mi NNE (10° true). (4-16)

FLORIDA: ALBERT WHITTED ARPT (ST. PETERSBURG)-Use rnwys only -soft shoulders. Stacks 1/4 mi SW. Seawall being const E of fld. Equip. on fld. (7-9)

**ATHENA MUN ARPT-ABANDONED. (5-20)

AVIATION CENTER ARPT (LEESBURG)-Use rnwys only-sand soft. (5-22)

BANANA RIVER NAS-RADIO: Navy exper VHF rnwy lclzrs and various types of ILS oper intermittently, day, ngt. Navy exper rdo bcn, 414 kcs, ident. "BR", A-2 and A-3 emission oper intermittently, day, ngt. (2-27) FLD: Open 0800 to 1700 for essential administrative traffic and emerg only. (6-27)

BANANA RIVER NAS SEAPLANE BASE-Closed to all acft. (6-27)

**BLOUNTSTOWN MUN ARPT-ABANDONED. (5-5)

BOCA RATON AAF-Closed to all trans mil acft except on off. bus. or in emerg. Port. floods avail. on 15 minutes notice. Stay on rnwys -shoulders soft. (6-9)

BRONSON FLD NAAS (PENSACOLA)-Inactive - no facs. (4-9)

**BRONSON MUN-ABANDONED. (5-21)

**BROOKSVILLE MUN-ABANDONED. (5-13)

BUNNELL ARPT-Cattle on fld. (5-19)

CANNON-MILLS ARPT (ORLANDO)-N, NE, NW, E use right traffic. S, SW, SE, W use left traffic. (5-27)

CEDAR KEYS ARPT-Use rnwys only. (5-19)

**CHALKS FLYING SERVICE SEAPLANE BASE (MIAMI)-Arpt of Entry. (7-2)

CHAPMAN FLD (MIAMI)-Closed to trans acft ngts. Observe wind tee for traffic direction. Orange arm to right indicates right traffic. (6-24)

CITY AIR PARK ARPT (PANAMA CITY)-NE/SW strip under const. Not to be used except in extreme high wind (short, wires at NE end). (1-6)

**CRESTVIEW 21, NO-JX-Bcn, bndry, rng and obst lgts oper sunset to sunrise. (11-26) See page 130.

DALE MABRY FLD (TALLAHASSEE)-26' unlgtd bldg 900' NW of NW end NW/SE rnwy. Observe twr E side fld for lgt signals. Bcn atop water tank S of fld inop. Unlgtd hangar N side fld. (5-7)

DAYTONA BEACH ARPT-Top lgt of 347' twr Rdo Stn WNDB, 2.5 mi NE (45° true) burning but not flash. (7-5)

DINNER KEY CGAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10)

**DR. PHILLIPS ARPT-ABANDONED. (5-22)

**DRANE FLD (LAKELAND)-Bcn, obst, and rnwy lgts avail. (7-9) See page 134.

DREW FLD (TAMPA)-Use rnwys only. Ditch, equip. along outer edges of N and S ramps, mrkd. Taxi strip between Rnwy 18-36 and N ramp 2200' from approach end Rnwy 18 closed. Avail. to rdo rcvr equipped acft tuned to twr freq. Equip. along both sides of first 2000' of Rnwy 18-36 days, and adj to Rnwy 32 between intersection of Rnwys 37, 26, mrkd ngts. First 3500' Rnwy 32 closed (ditch). (7-16)

EGLIN FLD (VALPARISO)-RADIO: Army ILS to be reactivated soon. (6-11) FLD: Acft approaching fld will enter area along right edge of S leg Crestview Rng. (1)-Acft on CFR will fly 3000' or 500' below the ceiling, whichever is lower, until cleared by Eglin Twr. (2)-Acft on IFR will enter at last assigned airways cruising alt and ctc Eglin Twr for let-down instructions. Exten const. (6-11)

ELLYSON NAAS (PENSACOLA)-Inactive-no facs. (4-9)

**FELLSMERE MUN ARPT-ABANDONED. (5-22)

FORT LAUDERDALE ARPT-Const. Fifty acres being cleared, graded and paved at the E side of fld. Taxiway being const parallel to the NW/SE rnwy. NW/SE rnwy being extended at the SE end. (6-3)

FLORIDA: GILBERT FLD (WINTER HAVEN)-Use rnwys only. (4-17)

HILLSBOROUGH ARPT (TAMPA)-E/W rnwy avail. lgt ac ■ only. Sinkhole 100' E of intersection filled with sand. Other rnwys and taxiways usable. (5-19)

**HOLOPAW MUN ARPT-ABANDONED. (5-22)

HOMESTEAD ARPT-RADIO: CAA port. ILS lclzr equip. installed approx 1000' from E end E/W rnwy. Glide path equip. 400' N and 1000' E of W end E, W rnwy. ILS flgt-checked and will be comm at a later date. (6-24) FLD: Landing fee all acft. (3-12)

**HOMOSASSA ARPT (CRYSTAL RIVER)-ABANDONED. (5-22)

IMMOKALEE INT, SITE 13, MM-TM-Use with ctn-soft. (6-25)

JACKSONVILLE ARPT NO. 1-Operating of private acft between sunset and sunrise rstd to acft equipped with functioning rdo transmitter and rcvr. Between sunrise and sunset such acft shall be equipped with at least functioning rdo rcvr unless exceptions granted by Chief Arpt Traffic Controller. (3-25)

**JACKSONVILLE MUN #3 (JACKSONVILLE)-Formerly Herlong Arpt (Jacksonville). (1-7)

JACKSONVILLE NAS-Transient seaplane acft desiring ngt facs notify Jacksonville NAS 12 hrs in advance. (5-22)

JASPER ARPT-Cattle on fld. (5-19)

KEY WEST NAS-Closed between sunset and 0730 except by prior notification or in emerg. (2-4)

KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (4-10)

LAKE BUTLER OLF-Cattle on rnwys. (5-22)

**LAKE PLACID MUN ARPT-ABANDONED. (5-22)

LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500' Prevailing wind E to SE. (1-22)

MacDILL FLD (TAMPA)-RADIO: AACS oper HF/DF stn temp suspended. (4-24) Army GCA training fac oper. Mon thru Fri 0700 to 1700. (7-19) FLD: Rnwys 4-22, 13-31, 18-36 avail. GCA equip. 3000' from end Rnwy 22R. lgtd. Rnwy 4R-22L avail. acft under 50,000 lbs. Const. and equip on NE corner Rnwy 13-31 and taxiway. (7-8)

MASTER NAS (MIAMI)-Closed thirty minutes after sunset until 0700. Extreme caution - heavy traffic. Northernmost E/W rnwy closed (equip, parked acft). (1-8)

**McCRORY'S RANCH (NARCOSSEE)-ABANDONED. (5-22)

MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks 400' E of S end Rnwy 4-22. Obst lgts atop old control twr inop. Line of unlgtd pwr poles 25' high, 500' NW of and parallel Rnwy 11 and extending 1000' beyond end of rnwy before making 90° turn N now in process of const. (7-17)

MIAMI-RADIO: Federal Communication Commission Fld Unit Direction Finding Aids inop (being relctd). (7-11)

MIAMI INTERNATIONAL ARPT-AAF-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-25) FLD: Domestic non-scheduled aircraft taxi to old Army Terminal Bldg SE side fld upon arrival and prior to departure and register with Ramp Supervisor. Scheduled air-carriers and international acft requiring immigration and customs service use 36th St. Terminal. Transient international pilots advise twr before landing. Use rnwys only. Equip. on fld intermittently days. Obst lgts inop atop pole lines adj Seaboard Airline R. R. Shops between N and S fields. All acft landing on E/W or N/S rnwys maintain sufficient altitude to clear vehicular traffic on 36th St. and LeJeuene Road. No JP-1 fuel. Const in grass area between Terminal and W hangar ramps and E/W rnwy in N fld. Area mrkd and lgtd. New 80' control tower being erected approx 100' S of present twr bldg. (7-7)

[redacted]:MIAMI NAS-Acft remain on N leg Miami Range for distance of 25 mi N of range Stn when passing Miami NAS. Stay clear of NW corner fld-fighter train. break-up area. Acft practicing touch and go landings ngts. Closed sunset to 0700. (11-15)
••MIDET SEAPLANE BASE (WEST PALM BEACH)-Arpt of Entry. (7-2)
MORRISON FLD (WEST PALM BEACH)-RADIO: Glide path transmitter of Army ILS being moved to lctn 1100' E of W end E/W runway, 400' S of centerline. Middle markr ident being changed to alt dots and dashes. (3-17) AACS oper HF/DF stn temp suspended. (4-24) FLD: Closed to all trans acft except on off. bus. or in emerg. (7-3)
ORLANDO-RADIO: July 28 to approx Aug 1, rng will be shut down for conversion to type SBMRLZ fac. (7-11)
••ORLANDO AAB-ARPT-Tetrahedron disconi and removed from fld. Wind sock erected approx 200' due S of control tower. (7-9) Effective July 27, Runway 17-35 will be closed for repairs for six days. (7-19)
ORLANDO AVIATION COUNTRY CLUB ARPT-Land to the N, take-off to the S. Pwr line N. (5-19)
PAGE FLD.(FT. MYERS)-NW/SE runway lgts inop. (5-1)
••PENSACOLA ARPT-Moving of bldg. completed July 5. Navy line shack previously lctd next to brick hangar S side of fld now lctd adj admin bldg and CAA quarters on W side of fld.(7-5) Lgtd 195' rdo twr for State Hwy Patrol erected 3.5 mi SW at lat. 30-26-30,long 87-14-09.(6-11) Ext Navy train. thruout area.Join pattern at 500' left turn and circle.Use runways only.Taxi to right on nearest avail.taxi strip.Opers and sveg lctd brick hangar.(4-29)
PENSACOLA NAS-CHEVALIER FLD-Avail. days only.Mgts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Disposition delivery acft land at NAS Chevalier Fld. Multi-engine acft requiring runways in excess of 2500' land at NAS Corry Fld, bear. 34° NNW. Pilots desiring to land at Chevalier Fld ctc Pensacola Navy twr before entering traffic pattern. (5-22)
PETER O. KNIGHT ARPT (TAMPA)-Sodded areas E of Runway 3-21 and S of Runway 10-28 rough- use c|n when taxiing. Heavy acft use runways. Equip. on fld days. (5-20)
PINELLAS CO. INTERNATIONAL ARPT (ST. PETERSBURG)-Lgt acft landing and taking off on sodded area directly S of fld. (6-30)
PUNTA GORDA MUN. ARPT-Usable emerg landings only. (5-29)
ST. AUGUSTINE ARPT-All lighting facs inop. (5-19)
••ST. CLOUD ARPT-ABANDONED. (5-22)
SAUFLEY NAAS (PENSACOLA)-Equip. on fld. (6-30)
••SEBRING AIR TERMINAL-Ctc, badry, range, flood and obst lgts avail on req. Bcn not in oper. (7-14) See page 134.
STENGEL FLD (GAINESVILLE)-Cattle on fld. (5-19)
SUNNY SOUTH ARPT (MIAMI)-Lgtd for student ngt flying. Closed to trans acft. (5-13)
TALLAHASSEE-RADIO: About July 26, rng freq will be changed to 378 kcs. (7-16)
TAMIAMI ARPT (MIAMI)-CFR day oper. Landing fee only to acft carrying passengers or cargo for hire. Equip. on fld intermittently days. (3-12)
TAYLOR FLD (OCALA)-Use runways only. (1-23)
TITUSVILLE-COCOA ARPT-Use runways, taxiways only (soft sand) (5-8)
TYNDALL FLD (PANAMA CITY)-RADIO: Army rng unreliable. (4-29)
••VENICE MUN ARPT-Rwy lgts on req. (3-18) See page 134.
VERO BEACH ARPT-Crash facs not avail. on line. Runways 11-29, 3L-21R, 7L-25R, 16-36 closed (repairs). (5-21)
WHITEHOUSE OLF (JACKSONVILLE)-Closed Sundays, used by model acft. Avail. in emg rg only. (4-9)
WHITING FLD NAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" slopping curb at edges all runways. Tetrahedron indicates runway in use and not wind direction. Ctc twr before entering traffic pattern. (4-14)
[redacted]ALBANY ARPT-Use runways only. (7-8)
••ATLANTA ARPT-RADIO: Middle compass lctr of CAA ILS temp inop. (6-27) FLD: Two rdo twrs lctd 1.1 NNE perm dismantled. (7-15) Const, equip. on fld intermittently. Use runways ngts. Closed to HB and VHB acft. Trans Army acft use Marietta AAF. 25' lgtd bldg near N end N/S runway. N portion of N/S runway extending down to the E/W runway obscured from twr and is closed to all traffic except acft with 2-way rdo in commun with twr. Pilots land at own discretion. (7-5)
ATLANTA NAS-Avail. sunrise to sunset. After sunset oper for landings only. No clearance [redacted]: or sveg. No fuel temp. (7-7)
BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rwys. Use rnwys only. (7-1)
CALLOWAY ARPT (LA GRANGE)-Heavy acft use rnwys, taxiways only-grass areas soft. All-over landing small acft in dry weather. (4-17)
CAMILLA ARPT-Equip. on fld. (7-6)
CAMP STEWART AAF (HINESVILLE)-Cattle on fld. (12-17)
CARROLLTON ARPT-Equip. on fld. (5-12)
CHATHAM AAF (SAVANNAH)-Bcn. bcn inop. Exten P-47 NG acft transition training, formation flying and acrobatics 0800 to 1700 all within 35 mi radius. (4-4)
CIVIL AIR PATROL ARPT (WAYCROSS)-Use mowed strips only. (7-6)
COCHRAN FLD (MACON)-Use rnwys, taxi strips only. (12-5)
CORDELE ARPT-Use rnwys only. (7-6)
DANIEL FLD (AUGUSTA)-Unlgtd embankment with fence and hwy at W end Rnwy 28.(7-16)
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. Approx 1200' of E end of E/W rnwy not visible from twr. Hangar now obstructing view expected to be dismantled by approx Sept 23. Obst lgts atop bldgs in center of N ramp inop. (6-23)
JESUP ARPT-WNW 700' ESE/WNW strip under const. (7-8)
LAKEWOOD ARPT (ATLANTA)-Strips rough in spots. (10-9)
LAWSON FLD (COLUMBUS)-RADIO: Army rng freq will be changed to 335 kcs. about July 28 FLD: MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2,32. Right traffic Rnwys 14,20,27; left traffic Rnwys 2,9,32. (4-30)
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (1-22)
••LUMSFORD ARPT (MARIETTA)-Formerly carried as Clevenger's Arpk (Marietta). (7-8) See page 116.
MALCOLM-McKINNON ARPT (BRUNSWICK)-Equip. on fld days. Use rnwys only. (7-8)
MARIETTA AAF-No maintenance 1700 to 0800. Ltd transportation. Temp twr atop Opers bldg 200 yds N intersection Rnwys 10 and 15. (5-19)
MILLEDGEVILLE MUN ARPT-Soft after rainy weather. (4-17)
MUSCOGEE CO. ARPT (COLUMBUS)-Wind tee tied day and ngt when wind is 12 mph or less. Free swinging over 12 mph. (5-16)
••QUITMAN FLIGHT STRIP- Formerly carried as Whitman Flight Strip in error. (7-8) See page 132.
••REGINALD GRANT MEMORIAL ARPT (THOMASTON)-Lgtd 210' rdo twr for stn WSFT erected 3 mi N (360°true) at lat 32-53-29, long 84-20-39. (6-28)
ST. MARYS ARPT-Cattle on fld and rnwys. Use rnwys only. (7-8)
SAVANNAH-RADIO: SE course displaced 5° counter clockwise, bear. 330°. (7-10)
SOUTHER FLD (AMERICUS)-Use strips only. Soft when wet. (4-8)
SPENCE FLD (MOULTRIE)-Use rnwys only. All over fld avail. lgt acft only in certain areas. Landing area N of rnwys to be used only by pilots familiar with fld. Grass area adj to rnwys closed (sloped for drainage). (4-8)
••THOMASVILLE MUN ARPT-Formerly carried as Thomasville AAF (7-8) See page 132.
••TURNER #1 ARPT (ALBANY)-ABANDONED. (7-8) See page 116.
TURNER FLD (ALBANY)-RADIO: Army air/gnd stn temp inop. (2-10)
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld.) (1-16)
••VALDOSTA ARPT-No flood lgts. (7-8) See page 132.
[redacted]:BOISE ARPK-Right traffic for NW landings and take-offs. (5-21)
BOISE AR TERMINAL-Use rnwys, taxi strips only-shoulders soft. Non-rdo equipped acft use Rnwy 10L with left approach or Rnwy 28R with right approach when tetrahedron indicates traffic SE or NW. Parking ramp on Nat'l Guard side of fld immediately in front of twr SW of Rnwy 10R-28L closed to all acft other than mil except for taxiing. Extreme ctn while taxiing thru this area. (6-2)
BRADLEY FLD (BOISE)-Right traffic SE take-offs and landings. (3-17)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (2-22)
GOODING ARPT-Use strips only-sod unsafe (erosion.) (3-1)

[redacted]:GREEN MEADOWS ARPT (EAGLE)-Right traffic NW take-offs and landings.(3-17)
MOUNTAIN HOME AAF-N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
POCATELLO-RADIO: VORW rng comm for test purposes, not figt-checked, is unmonitored and should not be used for navigational purposes. (6-30)
POCATELLO ARPT-6' ceilometer approx 75' S of Rnwy 5-23 at a point 500' W of taxi strip that intercepts Rnwy 29. Use rnwys, taxiways only. Equip. on fld days. (6-3)
PRIEST RIVER MUN. ARPT-NNE/SSW strip under const. (1-13)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (3-14)
**ST. ANTHONY ARPT-New rnwy lying diagonally from S end present rnwy to E of Hangar open for use. Old rnwy discont. (7-10)
TWIN FALLS ARPT-Use strips only. soft when wet. (2-21)
[redacted]:ALBERTUS ARPT (FREEPORT)-Const. Use N/S, NW/SE rnwys, soft when wet. Land within rnwy mrkrs. (2-25)
ASHBURN ARPT (CHICAGO)-Avail. only lgt acft under 2000 lbs. Landing fee for heavier acft $2.00 and up. NE/SW rnwy under const-unusable. Do not turn off cinders onto grass. (5-5)
CASEY ARPT-Red flag on windsock indicated strips too soft for safe oper, green flag indicates strips in good condition, orange flag indicates Right traffic. (2-26)
CHANUTE FLD (RANTOUL)-Ltd parking. Inten training including weather, hood, and ngt between the hours of 0700 to 0100 daily. (6-24)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const.) (3-3)
CHICAGO-RADIO: Ctn- VORW rng unmonitored.
CHICAGO ARPT-RADIO: GCA temp inop. (6-16) FLD: Const 60' high W of Rnwy 22 center at NE corner fld. Snow extension lgts 22" above grade on Rnwys 31L,36R,27L, mrkd. GCA truck and trailer lctd near center of fld, lgtd. Closed to trans Navy Acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Terminal Bldg upon arvl and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable at Arpt Supt's Office before dptr. 3 hangars under const along N taxiway. Ctn when taxiing. Ramp in front of new Terminal Bldg being repaired. (5-14)
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
**CHICAGO-ORCHARD ARPT-Approach lgt lane 14 neon lgts on standards 5' above gnd lctd 85' left of center line of rnwy 14 extending 1500' NW. FM operating cont. (7-17) See page 42. Landing fees same as Chicago Arpt. Trans acft register in city office S side fld. Glide path bldg 800' SE of NW end NW/SE rnwy 400' SW. Lclzr bldg 950' SE of SE end NW/SE rnwy. (6-4)
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (3-27)
DECATUR PARK DISTRICT ARPT (DECATUR)-Use rnwys only. (4-22)
**FASH FLD (ROANOKE)-Formerly carried as Phil-Larry Arpt (Roanoke).(6-20) See page 44.
FLORA ARPT-NE/SW strip under const. (12-10)
GALESBURG MUN. ARPT-W bndry rough. (3-28)
JOHNSBURG ARPK-Equip. on fld. (3-18)
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (4-29)
LEWIS-LOCKPORT ARPT (LOCKPORT)-Use strips only. Stay on gravel when wet.(3-16)
MARION ARPT-Ext. train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. Wind tee moved to circle in center of fld. (5-12)
MOLINE ARPT-75' lgtd mast, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. 20' gravel pile 300' W of SW end NE/SW rnwy. (4-30).
MOUNT VERNON ARPT-E/W strip mrkd with flare pots, dusk to dawn. Serve as mrkr lgts only. (4-7)
PAL-WAUKEE ARPT (GLENVIEW)-250' Goodyear Blimp based on fld until approx Aug 10. Stationary mooring mast 45' high with single obst lgt lctd on NE side of fld, approx 300' from rnwys, Blimp unlgtd, but riding lgts will be turned on upon approach of acft. Pilots requested to avoid use of rnwys during 10 or 15 min period which occurs twice a day when [redacted] blimp is landing or takin g off. (5-31)
**PARKS ARPT (EAST ST. LOUIS)-Bcn, bndry, obst lgts. prior req. See page 38.
**PEORIA ARPT-Ctc and range lgts on req. (2-5) See pages 41,44. Equip. on fld 0800 to 1630 daily except Sun. (5-10)
**POWELL BROTHERS ARPT (SHELDON)-ABANDONED (4-2). See page 44.
PROSPERI ARPT (TINLEY PARK)-Use rnwys only-equip. on fld. (7-8)
QUINCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. Use only rnwys in thawing weather. (2-24)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather and after thaws. (3-31)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)
SPRINGFIELD ARPT-Fld and strips soft after heavy rains. Unsafe heavy acft when soft. (4-5)
SPRINGFIELD MUN. ARPT-New arpt lctd 3 mi NW of Springfield, Completion date indefinite. Rnwys and taxiways completed. Heavy equip. on fld. Pole line crossing SE end NW/SE rnwy. No lgts or svcg. (7-17)
STINSON ARPT (LA GRANGE)-NE end NE/SW rnwy closed. (5-14)
STOCKTON ARPT-Use strips only. (6-10)
WAUKEGAN ARPT-NW/SE strips usable except in extremely wet weather. (5-13)
WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (4-7)
[redacted]: ANGOLA-RADIO: Ctn- VORW rng unmonitored.
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FT. WAYNE)-Rnwy lgts 9-27 inop. Tetrahedron uncontrolled. (4-22)
BENDIX FLD (SOUTH BEND)-Equip. on fld days. N triangle closed. (7-5)
BLOOMINGTON ARPT-Turf sparse-soft when wet. (5-19)
BRIGHTWOOD ARPT (INDIANAPOLIS)-E end E/W strip under const. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. Circular traffic pattern in use. (5-19)
**CHAIN-O-LAKES ARPT (SOUTH BEND)-Formerly carried as Chain Lakes (5-7) See page 46. Avail. acft up to 6000 lbs. Use strips only. (5-23)
CHARLESTON ARPT-Trees at both ends-usable with ctn. Entire fld soft after prolonged rain. (5-19)
COLUMBUS MUN. ARPT-Turn off rnwys onto taxi strips after landing. Use rnwys only. (7-5)
**CONVERSE ARPT-Lat 40-34-15, long 85-53-30. (5-16) See page 142.
EVANSVILLE ARPT-Trans use rnwys only. Equip. on fld days. (5-5)
**GALVESTON ARPT-Lat 40-35-15, long 86-14-30. (5-16) See pages 44,46.
HOOSIER-PARK ARPT (INDIANAPOLIS)-NW/SE, NE/SW strips closed. Area immediately adj to these strips avail. for traffic. (5-22)
HULMAN FLD (TERRE HAUTE)-Erosion on fld-use rnwys only. (6-23)
INDIANAPOLIS-RADIO: GCA unit oper by CAA on exper basis at Indianapolis Arpt, between the hrs 0800 and 1600 Mon thru Fri. Unit aligned for approach from the SW on Rnwy 4. Transmits on 212 kcs, 126.18 mcs, rcvs on 3105,4495,6210,3117.5 kcs, 126.18 mcs. Pilots desiring to make practice runs shoul d make arrangements thru Indianapolis Twr,Indianapolis Rdo or Airline gnd stn at Indianapolis. All flgts must be CFR prior to starting GCA runs and must remain CFR throughout approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mc bndry mrkr using keyed 3000 cycle tone, oper intermittently at SW bndry of arpt. Exper lclzr on 108.3 mcs SW end NE/SW rnwy. Exper rdo rng with 5 lgtd 131' twrs oper intermittently at Avon, Ind., 7 mi NW of arpt on 172 and 194 kcs. Low pwr (holding mrkr), 75 mcs, 10 mi SW of arpt on ILS lclzr course. keying "U", tone 3000 cycles, temp inop. (11-22)
INDIANAPOLIS ARPT-Pilots of mil and trans acft register with registrar in Admin Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner operating intermittently. 2- 1/2' exper rnwy lgts both sides NE/SW rnwy, Exper flights of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip. 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' NE of NE/SW rnwy on centerline; trailer adj CAA glide path 400' SE of NE/SW rnwy, all lgtd ngts. Exper

INDIANA: slope line (glide path) approach lgt sys installed W end Rnwy 9-27. Lgts consist of 3 pairs of red tubular lgts spaced 100' apart with first pair lctd 100' W of rnwy. The outer pairs show red only on approach side; the inner pair show red on approach and rnwy sides. The high end of outer unit is 8', and high end of inner unit is 5'. Operate normally with rnwy ctc lgts No mil svcg-use Stout Fld. 20' elevated gaseous tube directional taxi mrkr lgts showing a blue lgt when lgtd. 5 on exper stn taxi strip and 15 on short N/S rnwy and two short E/W taxi strips leading therefrom to Admin Bldg apron. (6-24) Right traffic pattern for acft landing on grass to the right of rnwy in use; left for acft landing on grass to left of rnwy Acft landing on rnwys use left traffic pattern unless otherwise advised by twr Exper bcn atop Admin Bldg rot. at high speed counter clockwise operating during IFR days only. All trans acft use rnwys only unless cleared by twr to operate on grass areas Grass areas normally reserved for local acft operating under preventive control. (7-9)

**MARION ARPT-Lgtd 235' rdo twr erected 2.7 mi NW (317° true) at lat 40-31-04, long. 85-43-14. (6-7)

McCOOL INT, SITE 3, CG-LG-Pwr poles approx 460' S of the S end of the N/S rnwy, fone line along the S side of Hwy #6, 50' silo 1160' W of watchhouse, all unmrkd. Green bndry lgts No. 17 and 28 changed to clear. (5-27)

MORGANTOWN-RADIO· FM formerly on S course of Indianapolis Rng will remain in oper on exper basis. (11-8)

MYERS FLD (FT. WAYNE)-Avail. with ctn. Soft during wet weather. (7-5)

**OCKLEY ARPT-ABANDONED. (7-1). See pages 44, 46.

**PURDUE UNIVERSITY ARPT (LAFAYETTE)-Lgtd Indiana State Police twr 2.5 mi NNE (25° true) at lat 40-27-00, long. 86-55-00, has been extended to 225'. (7-7) Due to heavy local traffic, trans acft avoid turning in middle of fld after landing. Taxi straight to end of fld; then taxi within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather 377' twr rdo stn WASK erected 3.75 mi ESE (105° true). Temp obst lgtd. (7-16)

★SCOTLAND-RADIO· VHF visual aural rng without voice comm July 10. Lat 38-57-30, long. 86-53-50. Visual courses: 42°, 222°; aural courses: 312°, 132°. Flgt-checked, oper normal. Class: VARW. These data rcvd too late for inclusion on charts.

SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft when wet. Const areas mrkd. (5-19)

SMITH FLD (FT. WAYNE)-Use rnwys only-turf soft when wet. (5-19)

SOUTH BEND-RADIO: Ctn-VORW rng unmonitored.

SOUTH BEND-Barrage balloon over S central portion of South Bend. Max height 500' above gnd. Aloft 0700 to 1700 daily. (5-27)

STARKE CO. ARPT (KNOX)-N/S strip soft-loose sand. Avail. lgt a cft only. (5-19)

STOUT FLD (INDIANAPOLIS)-Crash equip. avail. 0800 to 1700 daily only. Ltd svcg facs. Lgts on prior req. (5-22)

TRI-STATE ARPT (ANGOLA)-N/S strip closed (const). (5-5)

URSCHEL FLD (VALPARAISO)-Strips soft in wet weather. (5-19)

WELLS CO. ARPT (BLUFFTON)-Avail. with ctn-soft during wet weather. (5-5)

WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N. No wind conditions land to W. (5-8)

IOWA: CEDAR RAPIDS ARPT-Use rnwys, taxi strips only. (3-22)

CHAPMAN FLD (WATERLOO)-Bcn, bndry, obst lgts inop. (4-2)

CRAM FLD (DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)

DES MOINES ARPT-Entire area off rnwys E of N/S, NW/SE rnwys closed Use rnwys only. Area off SE end NW/SE rnwy closed to taxiing, mrkd. Equip. on fld. No NG fuel or fuel on Form 15 due flood (7-16)

DUBUQUE ARPT-CLOSED (flooded). (6-13)

ELKADER ARPK-N/S strip newly graded and seeded. (5-29)

HUNTER FLD (CEDAR RAPIDS)-NE/SW rnwy under const. Land on other rnwys with ctn. Equip. on fld (6-24)

IOWA CITY ARPT-Closed ngts Sod adj rnwys, taxi strips freshly seeded. Lgts being installed. Const. Trenches 3' deep adj all rnwys, mrkd. Equip. on rnwys. Rnwys will be cleared for air carrier landings. New bcn 250' E of N/S taxiway, mrkd by red lanterns ngts. (6-13)

LAMONI INT, SITE 10, KC-MP-Unsafe (soft). (4-16)

IOWA: MASON CITY ARPT-Landings and take-offs prohibited on sod rnwys W of Admin Bldg. Sod between taxi strip and N end N/S rnwy unusable. (4-29)

OTTUMWA NAS-S landing mat closed (helium bottles on mat). Use rnwys only. Fld opers avail 0800 to 1800 Mon thru Fri. Facs avail. on 24 hrs notice at all other times. (7-10)

SIOUX CITY ARPT-Blinding ceilometer 1000' N of Admin Bldg. (4-30)

KANSAS: ALLMAN ARPT (LENEXA)-Use strips only. (4-2)

**ATKINSON ARPT (PITTSBURG)-Lgtd 200' rdo twr for stn KSEK erected 4.4 mi SE (142° true) at lat 37-23-44, long. 94-40-42. (6-8)

ATWOOD ARPT-Soft when wet. (3-26)

BEECH ARPT (WICHITA)-During damp weather, use rnwys only. (4-2)

CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags (2-6)

DODGE CITY ARPT-Blinding ceilometer installed 1000' NW of Admin Bldg. E/W rnwy closed Parked acft on fld N and S of Admin Bldg due to partially completed const on parking area. Hangars being built NW Admin Bldg (4-11)

FAIRFAX FLD (KANSAS CITY)-Only 100 oct avail. (6-13)

FT. RILEY-AA firing conducted immediately N of Marshall Range Stn.

GARDEN CITY AAF-No svcg or maintenance avail (2-7)

GOODLAND ARPT-Rnwy sides soft when wet. (2-21)

HUTCHINSON MUN. ARPT-Heavy acft use rnwys only. (7-22)

HUTCHINSON NAS-CLOSED-no facs. (11-25)

INDEPENDENCE AAF-Closed to all acft except on off. bus. or emerg. Only N/S rnwy nearest ramp avail (6-23)

JANSSEN SKYTEL ARPT (McPHERSON)-E/W strip soft when wet. (3-4)

MARSHALL FLD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys, taxi strips, ramps only Soft shoulders off rnwys Rnwy lgts undependable. (2-10)

OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Range Stn.

OLATHE NAS-Closed 1800 to 0800 - flights desiring landing during these hrs must notify opers before 1600 (6-13)

OLATHE OLF NO. 2-Use in emerg only-no facs

OLATHE OLF NO. 4-Use in emerg only-no facs

OLATHE OLF NO. 7-Use in emerg only-no facs

OLATHE OLF NO. 9-Use in emerg only-no facs.

SATANTA ARPT-Strips soft in wet weather. (2-19)

SHERMAN FLD (FT. LEAVENWORTH)-Left traffic Strips 12,15; right traffic Strips 30,33. Use strips only Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (4-11)

SMOKY HILL AAF (SALINA)-RADIO: Army ILS (CAA type) inop indefinitely. (4-1)

TOPEKA-Inst flying radio rng ngt, day. Call Topeka Radio at least 20 mi out before flying range.

TOPEKA AAF-Closed to all trans mil acft except on off. bus. or in emerg. Four 197' rdo twrs being const 5.1 mi. NE lat 39-01-17, long 95-34-15, temp obst lgtd. (7-14)

WICHITA ARPT-Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Trans acft without rdo use ctn Stay on concrete-sod unsafe. (4-29)

WICHITA AUX ARPT-Arpt lctd 6 mi SE of Wichita not avail. as an auxiliary fld. City of Wichita not responsible for consequences arising from use of the fld. (4-19)

KENTUCKY: ASHLAND ARPT-Right traffic pattern on NW landings and take-offs. (2-5)

BLUE GRASS FLD (LEXINGTON)-Use rnwys only. (5-5)

BOWLING GREEN ARPT-Use rnwys only. (4-7)

CAMPBELL AAF (HOPKINSVILLE)-Ext const. Rnwy 4-22 only avail. (6-1)

GODMAN FLD (FT. KNOX)-RADIO: Army rng unreliable; use primarily for hbming. (6-24) FLD: CLOSED TO ALL ACFT GROSSING 30,000 LBS OR OVER EXCEPT IN EMERG. High trajectory firing in d anger area NE fld day, ngt. (6-24)

GREATER CINCINNATI ARPT (COVINGTON)-Lgts not controlled from twr. Lgts inop Rnwy 13-31. Equip. between Admin Bldg and tetrahedron. Open places adj to rnwys and taxi strips, lgtd and flagged. (7-7)

JODY FLD (LONDON)-Const-use rnwy N of hangars only. (4-28)

LEXINGTON-RADIO: VHF rng unmonitored, no auto. standby equip. (4-2)

★PADUCAH-RADIO: VHF visual aural rng comm July 8, without voice fac. Lat 37-00-33, long.

[redacted]: 88-50-12. Flgt-checked, oper normal. Visual courses: 17°, 197°; aural courses: 287°, 107°. Class: VARW.
PADUCAH-McCRACKEN CO. ARPT-Bcn, ctc lgts oper from dusk till dawn daily. Only NE/SW rnwy lgtd ngts. (6-16)
STANDIFORD FLD (LOUISVILLE)-NG svcg not yet avail. (4-22)
[redacted]: **ALEXANDRIA ARPT-Bcn operating effect July 10th. (7-11). See page 126.
BARKSDALE FLD (SHREVEPORT)-Liaison type acft land Rnwy 14R-32L. Exten training, heavy traffic. GCA unit on right and left hand side of center rnwy, lgtd. No 91 oct. (5-6)
COMMERCIAL ARPT (HODGE)-Unsafe (rutted). (6-10)
COTTON VALLEY ARPT-E/W strip closed. (1-23)
CROSS LAKE SKY HARBOR (SHREVEPORT)-Land only in area in front of Base. (2-13)
DONALDSONVILLE INT, SITE 26, HU-NO-Equip. on fld. (7-14)
EAST BATON ROUGE PARISH ARPT (BATON ROUGE)-Avoid SE corner fld, mrkd with white flags. (1-27)
HOUMA NAS-LTA-Twr oper daylgt hrs 0800 to 1630 only for all acft by Navy in connection with Bureau of Aeronautics Sto. Closed to all other mil acft except in emerg. No fuel. Civil acft may land during daylgt hrs: Lighting facs for ngt flying not in oper for civil use. (4-23)
IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. (3-13)
JENNINGS ARPT-Use strips only. Smudge pots avail. on prior arrangements. Unlgtd pole lines S and E side fld. Right traffic when landing S and W. (3-19)
LAFAYETTE ARPT-Use rnwys only. (4-29)
LAKE CHARLES MUN. ARPT-Blinding 30 million candle pwr ceiling lgt installed Stn WBAS. Operates during cloudy conditions. Two 195' twrs 3.5 mi NW under const, lgtd. Fuel for mil acft avail. 0700 to 2300. (4-24)
LE GROS MEMORIAL ARPT (CROWLEY)-170' twr being erected 9 mi NE (55° true). Will be lgtd upon completion. (3-24)
**MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-RADIO: Control line not installed at CAA ILS. Middle mrkr unmonitored. (6-20). Soon CAA ILS lclzr and glide path will be shut down for rdo installation work. (7-16) FLD: Lgtd 162' steel derrick erected 7 mi SW (230° true) at lat 29-55-45, long. 91-20-36. (6-6). Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only Closed to all acft not equipped with 2-way rdo except in emerg. 171' steel derrick being erected approx 15 mi SSE in Lake Salvador, unlgtd. Tetrahedron inop. (5-12)
MONROE ARPK-Avail days only. (12-20)
NATCHITOCHES ARPT-Taxi to right 44' trees approx 400' S of S end N/S rnwy and 77' trees approx 800' W of W end E/W rnwy. (1-23)
NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Closed to all Army acft except primary, basic and advanced (not including converted tactical type) trainers, utility cargo, C-46, C-47 series, C-60, C-64, liaison acft, helicopters and autogyros. (3-26)
**SELMAN FLD (MONROE)-Lgtd 140' rdo twr for stn KSPC erected 2 mi WNW (295° true) at lat 32-31-20, long. 92-04-55. (7-2) Obst lgts atop twr inop Equip. on fld. (12-27)
SHREVEPORT ARPK-Entire fld avail. except sod area E of N/S rnwy. Land with wind tee. Wind sock for wind direction only (1-6)
SHREVEPORT ARPT-Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1-1/4 mi S within approach zone N/S rnwy lgtd. 165' rdo twr being erected 4 mi SW (230° true). Work in progress SW end Rnwy 5-23, approx 100' from end of rnwy, mrkd. Equip. on fld days. (5-13)
[redacted]: AUGUSTA-RADIO: Rng flgt-checked June 20, SE course displaced 3° SW, bear. 312°. Use stn lctn mrkr with ctn until flgt-checked. (7-11)
AUGUSTA ARPT-Obst lgts on antenna poles 400' NE Admin Bldg inop. (4-22)
DOUGLAS FLD (BRUNSWICK)-Right traffic when wind from the S. (4-22)
DOW FLD (BANGOR)-RADIO: Army ILS temp inop. (7-26) FLD: E/W rnwy closed. Use concrete portion fld only. Ltd transportation and maintenance facs. Equip. sides rnwys. (7-8)
FARMINGTON ARPK-After heavy rain land to W side strip. (4-23)
LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft use rnwys only-safey strips soft. (11-13)
MERRYMEETING FLD (BOWDOINHAM)-Use in emerg only. (4-22)
MILLINOCKET-RADIO: Auto. rng monitor. sys temp inop. (7-10)
[redacted]: MILLINOCKET ARPT-NW 1000' NW/SE rnwy closed. Ctc lgts inop. (4-15)
NEW MEADOWS ARPK (WEST BATH)-PRIVATE-emerg use only. (5-6)
NORRIDGEWOCK ARPT-CLOSED-use in emerg only.
OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop. (2-24)
PORTLAND ARPT-E/W rnwy closed ngts (ctc lgts inop). Pile driver with vertical boom about 100' high at high tide, lctd 1/2 mi from SE end of NW/SE rnwy, unlgtd. Will be in oper until approx Sept 19. (7-19)
**PRAIRIE ARPK (BROWNVILLE JCT)-Correct lat 45-25-00, long. 69-03-30. 4.5 mi N. (7-7). See page 17.
★PRESQUE ISLE AAF-RADIO: Army HF/DF stn temp suspended. (5-16). Bndry mrkr of CAA ILS decomm June 1. Effect July 15, VHF/DF stn will be inop for indef period. (6-30) Army air/gnd stn guards 8280,500 kcs only. (7-3) FLD: No longer assigned as Foreign Clearing Stn, except as weather alternate for scheduled ATC Flights. Svcg trans acft 0800 to 1700 only. (5-16)
SCARBORO ARPT-CLOSED (soft). (3-31)
[redacted]: ★ANDREWS FLD (CAMP SPRINGS)-RADIO: Army GCA fac opers on VHF commun channels A, B, C, D, G, H, with HF communs on 3475,4890,6640 kcs and 3117.5 kcs (emerg airline). Rcvs any freq from 1500 to 18000 kcs, including 3105,4495 and 6210 kcs. Gds Channel B. Opers cont during IFR; 0800 to 1700 daily, and on 30 mins notice at other times. (7-16) Army ILS temp inop. (6-17).
BALTIMORE-RADIO: Rng flgt-checked June 24, courses correctly aligned.
BALTIMORE ARPT-No crash equip. ngts. Use rnwys, taxiways only, other areas soft. Equip. on fld. Ships with unlgtd 120' masts anchored in harbor S, W and SW of fld. Smoke stacks NW and SE. Rdo rqrd between sunset and sunrise. Lgtd 160' derrick at lat 39-14-15, long. 76-31-00. 45' lgtd mobile steel boom 1/2 mi from fld bndry and 600' N of approach to Rnwy 27. (6-30)
BALTIMORE SEAPLANE BASE-Radio facs same as Baltimore Arpt. Control launch and other services avail. commercial operators by prior agreement with BOAC. Ramp and fuel services avail. by contacting Baltimore twr. (4-21)
BELTSVILLE OLF-No crash equip. Closed to all acft except in emerg. (4-9)
BRANDYWINE-RADIO: Soon, weather permitting, N and S courses will be realigned to 168°, 348°. Quadrants will be reversed, "N" signal in NE quad. (7-8)
EDGEWOOD ARSENAL FLD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Closed Sat and Sun. Operates Mon thru Fri 0800 to 1600 (3-14)
ERCO ARPT (RIVERDALE)-Do not land on diagonal taxi strip due to softness and holes. Soft shoulders off rnwys. Avail. days only. (2-19)
FREDERICK CITY ARPT-Open. Rcvd too late to delete Ⓡ symbol.
GLENBURNIE-WHIPP ARPT (GLENBURNIE)-Avoid flagged area-equip. (2-19)
KENT ARPT (WORTON)-Open. Rcvd too late to delete Ⓞ symbol.
MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS. WITH GLENN MARTIN CO. OR IN EMERG. Trans or local traffic, not landing at fld, should avoid fld traffic patterns or approaches. (1-22)
PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches adj Rnwy 9-27, mrkd. Equip. on fld. Obst SE end Rnwy 13-31. Ctn-land long on rnwy. (6-6)
PHILLIPS FLD (ABERDEEN)-CLOSED TO ALL TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Ltd svcg. No maintenance or RON. Danger area 1500 yds S; firing to 25,000'. Approach from N only, flying a heading of 200° from Aberdeen to fld. Heavy traffic rnwys. Rnwy 4-22 closed. (5-20)
SALISBURY-RADIO: Commissioning of VHF rng indefinitely postponed. (5-5)
SALISBURY ARPT-Ctn advised using Rnwy 13-31. Use center rnwy only-rough area on S side rnwy 2000' from W end. Equip. on fld. (7-6).
SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (4-10)
WEBSTER FLD (BEACHVILLE)-Closed except on 24 hr notice.
[redacted]: AGAWAM-Two searchlgts being operated from Riverside Park dusk to midngt May 30 to Sept 7. (5-8)
BARNES ARPT (WESTFIELD)-Oper of arpt bcn days indicates suspension of CFR oper. Ctc Westfield Rdo for lgts. 139' tank 5500' SW, lgtd-temp painted gray. No ctc lgts. (6-12)

[redacted]: **BEDFORD ARPT-Formerly carried as Bedford AAF. (5-16). See page 56
BOSTON-RADIO: About July 29, weather permitting rng freq will be changed to 382 kcs. (7-11)
BROOKFIELD'S ARPT-Ctn-steep grade at SE end. (4-21)
CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been established approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay,
GRAFTON ARPT (NORTH GRAFTON)-Avail. lgt acft only. Glider towing opers daylgt hrs. Powered acft approach with ctn. (5-16)
LA FLEUR ARPT (NORTHAMPTON)-Closed ngts. (7-10)
LAWRENCE ARPT-At ngt use rnwys for landing and taking off. (3-23)
**LOGAN ARPT (BOSTON)-RADIO: CAA ILS placed in cont oper June 10 for pilot training and familiarization purposes only. Lclzr lctd 950' NE of NE end of Rnwy 4-22 on extended centerline. Freq. 110.3 mcs. Ident. "BOS". Glide path freq. 335 mcs. Angle 2.5°. lctd 1000' NE of SW end of Rnwy 4-22 and 550' SE of rnwy centerline. Middle mrkr 1.40 mi from SW end Rnwy 4-22 on extended centerline keyed alt dots and dashes; outer mrkr lctd 5.67 mi from SW end of Rnwy 4-22 on extended centerline keyed two dashes. Outer compass lctr at outer mrkr site on 203 kcs., ident. "G". Comm date of this fac for regular oper indefinite, pending completion of const and removal of const equip. This corrects "AIRGI" Vol. 2, No. 7. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-16) FLD: New Rnwy 9-27 open 24 hrs daily. (7-13) Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight, cargo and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Private or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Manager and pay fees. Pilots will be denied clearance until fees are paid. Equip. on fld. Mercury arc vertical beam NW end new temp NW/SE rnwy-used intermittently day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. NE 100' Rnwy 7-25 unsafe. Old Rnwy 15-33 closed except for taxiing. All acft landing, taking-off or taxiing must use rnwys and taxiways only. Two-way rdo necessary for all acft landing this fld. 2 unlgtd 374' stacks lctd S. Boston Base 7900' from S end Rnwy 4-22. ILS lclzr path lies within 1500' of stacks-ctn. (7-13)
MANSFIELD ARPT-Red flag flying when closed. (4-21)
MARLBORO ARPT-Avail. sunrise to one hr after sunset. (4-21)
MERRIMAC VALLEY SKYPORT (LAWRENCE)-Right traffic when landing or taking off down river. (4-4)
MYRICKS ARPT (BERKLEY)-Wires on S end N/S strip. (4-1)
**MYSTIC LAKE SEAPLANE BASE (W. BARNSTABLE)-New base. Lat 41-40-55, long. 70-24-37. (6-6)
NANTUCKET ARPT-Five 320' twrs being erected 6 mi W (280° true). (4-12)
ORANGE ARPT-Equip. on fld during summer months. (7-10)
OTIS OLF (FALMOUTH)-Use in emerg only (caretaker status-no facs).
PITTSFIELD ARPT, SITE 3B, AZ-BW-Land according to wind sock. (4-2)
PROVINCETOWN LANDING FLD-CLOSED. (7-10)
REVERE ARPT-Right traffic on Rnwys 2,33,35. Const on seaplane base 1000' N of arpt. (4-21)
RICHARDSON ARPT (DRACUT)-Intersection of two strips muddy when wet. Heavy acft use wide pattern on downwind leg for WSW landing to avoid turkey farm 1000' from rnwy.(3-15)
**SHAWSHEEN PINES ARPT (BILLERICA)-Bndry, range (one end), flood lgts avail. on req. No bcn. (5-16). See page 56.
**SOUTH SHORE SEAPLANE BASE-New base. Lat 42-18-12, long. 70-55-17. (6-6)
SPRINGFIELD ARPT-Lgts inop. (4-21)
SQUANTUM NAS-Equip. at bndry and on fld. Fld avail. 0800 to 30 mins prior to off. sunset. Truck and two trailers 30' high on rnwy 2-20, 150' S intersection Rnwys 14-32, 2-20, lgtd. (3-27)
STEVENS FLD (NORTH ADAMS)-Temp closed. (4-21)
**WALKER-DUTTON ARPT (HAVERHILL)-Formerly carried as Haverhill Arpt. (5-15). See page 56.
★WESTOVER FLD (CHICOPEE FALLS)-RADIO: GCA is in regular oper on VHF commun [redacted]: channels A, B, C, D, G, H; HF commun freqs of 3475,4890,6640,3117.5 kcs in addition to regular HF coverage of 1500 to 18000 kcs, fac revs LF band 200 to 400 kcs. Oper is cont during IFR and on 30 minutes notice at other times. (7-16) Army ILS (CAA type) lclzr, Rnwy 24, unreliable. (4-23). HF/DF stn temp suspended. (5-22) FLD: All acft on IFR approaching fld from NE will follow Amber 7 to Boston, thence follow Red 11 to Gardner intersection (W course of Boston Range and NE course Westover Range). Acft will report to Boston ATC over Gardner intersection and will then be instructed by Boston ATC to ctc Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing let-down procedures as disseminated from fld.. Cruising alts assigned by Boston ATC will be maintained until further cleared to descend by Boston ATC. Westover approach control will assume control of acft departing Gardner intersection but not until released by Boston ATC. When under Westover approach control, all instructions will be followed which are transmitted by Westover Approach Control. (2-19) Red bcn atop Mt Nanatuck inop. (6-5)
**WORCESTER ARPT-36" rot. clear bcn opers on req. (5-22). See page 56.

[redacted]: ABRAMS ARPT (GRAND LEDGE)-Soft during wet weather-freshly seeded.(4-24)
ADRIAN CITY ARPT-SW corner fld unsafe for landings and take-offs. (4-28)
ANN ARBOR ARPT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (5-23)
BAKER'S FLD (PORT HURON)-Use strips only. Fresh fill E 1/2 N/S strip from intersection to S end, also SW end NE/SW strip. Soft when wet. (2-25)
BISHOP ARPT (FLINT)-Use rnwys only-soft. Unmrkd acft parked on fld within 500' of bldgs. (6-9)
CADILLAC ARPT-S 100' of 1000' taxi strip avail. all acft except tricycle gear acft, bal taxi strip being cleared of trees and brush. Other strip usable this area from N of bldgs to fld bndry. 40' crane 300' E, 100' S of E end E/W strip approx 200' S of c enterline of approach. (6-27)
CAMPBELL MUN. ARPT (INDIAN RIVER)-Emerg use only. (3-21)
CAPITAL CITY ARPT (LANSING)-Use center of rnwys only. Equip. on fld days. Acft parked W side fld E of apron. N/S rnwy avail. days only. (7-10)
DALTON ARPT (FLUSHING)-Ctn during wet weather (4-11)
FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (4-24)
FORD ARPT (DETROIT)-CLOSED. Avail. emerg use only. Use rnwys only. (3-31)
GRIDLEY ARPT (YPSILANTI)-Strips reseeded, unusable when cross is displayed. Use E/W sod patch. (4-24)
GROSSE ILE NAS (DETROIT)-Fld lgts on prior req. (7-1)
HAINES FLYING FLD (THREE RIVERS)-Use strips only. (5-23)
JAMES CLEMENTS ARPT (BAY CITY)-Use rnwys only. Closed ngts. (3-12)
JOY ARPT (DETROIT)-Ctn-const on cinder rnwys and taxi strips. (7-20)
KELLOGG FLD (BATTLE CREEK)-Equip. on fld indefinitely. (4-24)
KENT CO. ARPT (GRAND RAPIDS)-Acft weighing 6000 lbs or over use rnwys only. Rot. bcn on Admin Bldg inop-twr const. (5-23)
LINDBERGH MUN. ARPT (KALAMAZOO)-Avail. ngts in emerg. Land in accordance with wind tee lctd midway between NW end NW/SE and N end N/S rnwys. Use rnwys only. (5-23)
MACKINAC CO. ARPT (ST. IGNACE)-Use rnwys only. (4-5)
McKINLEY ARPT (FRASER)-Avail. to lgt acft only in dry weather. (4-26)
MUSKEGON CO. ARPT-Use rnwys only-rough. (4-24)
OSCODA AAF-Use rnwys, taxi strips only.
OTSEGO CO. ARPT (GAYLORD)-Use NW/SE strip with ctn-sand surface. (4-24)
PHELPS COLLINS ARPT (ALPENA)-Lgt acft may use sod between rnwys. (3-21)
PLANE HAVEN ARPT (STANTON)-CLOSED. (5-23)
ST. CLAIR CO. ARPT (PORT HURON)-Rdo Stn WEBO erecting 145' twr 4 mi NE (37° true) temp lgtd. Use strips only-soft when wet. Equip. on fld. (4-24)
SAULT STE MARIE ARPT-Loose gravel on N/S rnwy. Use rnwys only. (4-8)
SELFRIDGE FLD (MT. CLEMENS)-RADIO: Army rng will be relctd soon. (5-20)
SKYHAVEN ARPT (SAGINAW)-CLOSED (const). (4-11)
STINSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rnwy. (4-24)
TRAVERSE CITY ARPT-Use rnwys only. (6-9)
TWIN CITIES ARPT (BENTON HARBOR)-Use rnwys only, soft after heavy rains. (4-15)
WASHTENAW ARPT (DEXTER)-Use rnwys only. Avail. days only. (2-20)

MICHIGAN: WAYNE CO. ARPT (DETROIT)-No lgts or rdo. (4-7)
WILLOW RUN ARPT (YPSILANTI)-RADIO: Lclzr, glide path and mrkrs of CAA ILS will be comm soon. (3-28) FLD: Equip. on fld. Trucks on NE/SW strip. Pilots must register with Ramp Control Supervisor on arvl and check out on dptr Graduated scale of landing fees in effect for all revenue producing trans acft. (6-17)
MINNESOTA: AITKIN MUN ARPT-Const. (3-18)
APPLETON ARPT-Use rnwys, taxi strips only. (2-14)
BENSON ARPT-Use strips only. Closed to trans acft. (4-14)
BLUE EARTH ARPT-NW/SE strip avail. in dry weather. (5-6)
COLERAINE ARPT-Slightly rolling. Const on fld. Usable in N/S and NW/SE direction only. (11-5)
DECKER ARPT (AUSTIN)-Acft over 3500 lbs use ctn. Const. (4-21)
DETROIT LAKES ARPT-Use strips only. (5-5)
DULUTH ARPT-Use rnwys only. Ctn during ngt landings and take-offs-deer on fld. (7-3)
**INTERNATIONAL FALLS, MUN ARPT-Arpt of entry for one year from June 1, 1947. (7-2) See page 13.
KENYON ARPT-N/S strip slopes to the N, NE/SW slopes to the NE (5-9)
MANKATO ARPT-Strips soft during spring thaws. Closed to all multi-engine and heavy single engine acft. (4-1)
MARSHALL ARPT-Newly graded and seeded strips. Use with ctn. Avoid in wet weather. (4-28)
MONTEVIDEO ARPT-Strips muddy when wet. (2-14)
NEW ULM ARPT-E/W strip has 10' hill. Use with ctn. (11-1)
ORTONVILLE ARPT-Temp closed (const) (6-20)
PRINCETON ARPT-Use N/S strip only. (5-12)
ST PAUL ARPT-Use rnwys, taxi strips only. (3-31)
THIEF RIVER FALLS MUN. ARPT-Use rnwys only. Bal fld planted in grain. (4-30)
UNIV. OF MINNESOTA ARPT (NEW BRIGHTON)-N end N/S strip rough. (4-3)
VICTORY ARPT (MINNEAPOLIS)-Surplus Acft Sales Center-parked acft
VIRGINIA ARPT-Rough. (4-1)
WOLD CHAMBERLAIN FLD (MINNEAPOLIS)-Foreign Clearing Stn for Musk-Calf Project Flights. Ltd maintenance facs, no parking facs for Army acft temp Exper horizontal neon lgt installed on fence 300' S of S end N/S rnwy. High intensity rnwy mrkr lgts being installed both sides N/S rnwy. Heavy acft use rnwys, taxiways only-soft (4-30)
MISSISSIPPI: BASS FLD (LULA)-Landing area rough. (11-13)
**COLE FLD (HEADS)-ABANDONED. (7-17). See page 112.
COLLIER ARPT (DREW)-ABANDONED (7-17). See page 112.
COLUMBUS AAF-Use rnwys only.
GREENWOOD ARPT-Use rnwys only-sodded portions soft. (4-29)
GRENADA ARPT-NE/SW rnwy closed. (6-28)
GULFPORT ARPT, MUN.-Avoid flying over area directly off SW corner. Entire sod fld avail. (4-1)
HAWKINS ARPT (JACKSON)-Two 115' temp lgtd stacks 1-1/2 mi SE. 136' water tank being erected 3.5 mi SSE (153° true). Temp lgtd during const. Large holes adj N taxiway, mrkd. Bndry, obst lgts S bndry of arpt between Rnwys 11, 34 inop (being repaired) (7-19)
JACKSON CO. ARPT (PASCAGOULA)-Trans acft use rnwys only-drainage grills under grass. (5-17)
KEESLER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way rdo. 20' boom NE corner NE/SW rnwy, mrkd. (4-26)
KEY FLD (MERIDIAN)-Unlgtd 143' stack and 101' tank 1500' NE of fld and in line with approach to Rnwy 22 and take-off path Rnwy 4. Entire fld and surrounding obst unlgtd except rot. bcn, N/S rnwy lgts and a few lgts on the NE/SW rnwy. (5-26)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
LOUISVILLE ARPT-N 1/3 of strip unusable in wet weather. Ditches near edges of strip. (12-20)
MARKS ARPT-Ctn in wet weather. (2-21)
McCOMB ARPT-W 1/3 of E/W strip unusable. (2-17)
**McLAURIN ARPT-ABANDONED. (7-17). See page 128.
O'KEEFE FLD (NEWTON)-Soft when wet. Low spot 450' N of circle mrkr (4-24)
[illegible]ATE ARPT (LELAND)-Soft when wet. (4-24)
TUPELO ARPT-Equip. stakes on fld. (1-2)
[illegible]OO MUN. ARPT-Use N/S strip only. bal fld soft. (2-17)

MISSOURI: ACE HIGH ARPT (GALT)-Under const. Use with ctn. N/S strip slopes badly to the S.
BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (2-17)
CHILLICOTHE ARPT, SITE 7, KC-CG-Use sod areas with ctn, numerous washes, ditches, and wheel tracks. Avoid unmrkd ditches SW side SE end of paved rnwy and SE edge NE/SW rnwy SW of CAA weather stn. Keep to paved rnwy and taxi strip when wet. (5-5)
COLUMBIA ARPT-Heavy student traffic. Ngt flying 3 mi radius fld. Sod at rnwy sides soft when wet. Traffic pattern 800' on down-wind leg. Blinding ceilometer 1000' E of rot. bcn. Equip. on fld days. (6-3)
HARRIS FLD (CAPE GIRARDEAU)-Use strips only - parked acft.
INDEPENDENCE ARPT-CLOSED (3-14)
JEFFERSON CITY ARPT-NE/SW, E/W strips avail. twin-engine acft not exceeding weight of C45, UC78. (4-22)
JOPLIN ARPT-Obst lgts NE end NE/SW rnwy inop. (2-22)
★KANSAS CITY-RADIO: July 10, omni-directional VHF rng no voice comm on exper basis. Oper of fac will be interrupted from time to time for adjustments and installation of adtnl equip. Fac lctd at lat 39-15, long. 94-26-24. Flgt-checked and correctly aligned. Class: VORW.
KANSAS CITY ARPT-RADIO: Soon, outer mrkr and outer compass lctr will be inop for approx 2 weeks for relctn. (7-3). CAA ILS lclzr has low clearance spots or false courses 90° E of front course and 50° W of front course. Glide path and middle mrkr temp unmonitored. (5-23) FLD: Avail. mil acft not exceeding 50,000 lbs. Army acft rstd from refueling except in extreme emerg. No. 1 neon lgt lctd approx 90' N of N end of N/S rnwy and green course lgt approx even with N end N/S rnwy operating. Take-offs by lgt acft to the N from E of N/S rnwy prohibited. Obst lgt atop dike and on the extension of centerline of N/S rnwy. Heavy acft use rnwys and taxi strips only. Const immediately N of Terminal Building-ctn when parking acft this area. 13' lgtd structure lctd 75' W of centerline at S end of N/S rnwy. Levee has been raised to 20' above fld level 200' off S end N/S rnwy, unlgtd. Five 300' twrs being erected 14 mi NNE (22° true), temp obst lgtd. (5-28)
KING ARPT (HOUSTON)-Staked for impending const. (4-2)
KIRKSVILLE ARPT, SITE 12, KC-CG-Sod portions fld soft. Heavy acft use N/S rnwy. (4-29)
KRATZ FLD (ST. CHARLES)-Avail. lgt acft only. Use with ctn. (7-14)
LAMBERT FLD-ST. LOUIS ARPT (ST. LOUIS)-RADIO: Middle mrkr of CAA ILS temp unmonitored. July 21, outer mrkr inop for about 20 days for maj const. About July 30, outer compass lctr will be inop for about 6 days for relctn. (7-21)
FLD: Closed to non-rdo equipped acft. Soft off rnwys-avail lgt acft. SW taxi strip closed. Apron NW corner fld and approach end Rnwy 7 closed. Rnwy 16-34 closed. Rnwy 6-24 closed from W end thru intersection Rnwy 16-34 4100' Rnwy 6-24 avail. Equip. at intersection Rnwys 6-24, 16-34 days. Port. rnwy lgts on Rnwy 7-25. Const in progress on new rnwy 1500' SE of intersection Rnwys 6-24 and 16-34 thru intersection to approach end Rnwy 7. Const areas lgtd ngts. All Navy facs closed to all trans acft except off. orders and emerg less cross country training. Taxi strip between Rnwys 7-25 and 6-24 under const, mrkd. Grass area W of const to Rnwy 16-34 closed. 550' of approach end Rnwy 7 closed. Apron along hangar line usable-rough. Tetrahedron uncontrollable, unlgtd. (7-14)
MARSHALL INT, SITE 7, KC-LS-Deep ruts on N half N/S strip. (6-25)
MARYVILLE MUN. ARPT-Use strips only. (9-18)
McFARLAND FLYING SERVICE (SPRINGFLD)-Right traffic all strips. (2-20)
NEUBERISER OLF (ST. LOUIS)-Use in emerg. only (caretaker status-no facs)
ROLLA ARPT-Unsafe heavy acft (soft)(1-15)
ROSECRANS FLD (ST. JOSEPH)-Use rnwys only-sod areas unsafe. Equip. on fld. days. (4-29)
★SEDALIA AAF (KNOBNOSTER)-RADIO: Army air/gnd stn per. discont. (7-11)
SIKESTON ARPT-Use rnwys only-parked acft.
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough Blinding 30 million candle pwr ceilometer in oper on E bndry. (4-29)
TARKIO SITE 10, KC-OH-S 1/3, N/S and E 1/3, E/W strips unsafe heavy acft(soft)(3-
VAUGHN ARPT (TRENTON)-1-1/2' ditch each side of strips. (2-26)
[illegible]: BILLINGS-RADIO: About Aug. 11, Huntley FM will be comm on E course, 10.5 mi. from rng. ident. one dash. Spurious signals during tuning, starting appro July 30. Simultaneously, Nibbe FM will be discont. (7-8)

MONTANA:BILLINGS ARPT-Army acft rstd from refueling except **in extreme emerg. (12-26)**
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-Muddy in wet weather. (11-18)
DEER LODGE ARPT-Equip. on fld. Avail. with ctn. (6-3)
DILLON-RADIO: VARW rng oper for test purposes, no ident. Rng not flgt-checked, **is** unmonitored and not to be used for navigational purposes. (6-29)
GREAT FALLS-RADIO: VORW rng oper for test purposes, not flgt-checked, is unmonitored and not to be used for navigational purposes. (6-28)
GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of **rnwy shoulders-use 150' center** strip. (3-27)
HELENA ARPT-Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion **of W bndry. E 200' E/W rnwy closed**, mrkd. Right traffic W winds, left traffic E **winds. Traffic 600'.**
HOT SPRINGS ARPT-Rough-muddy when wet. (12-13)
LEWISTOWN ARPT-Use rnwys only. Rnwy 2-20 being shortened to 6400'. SW 3600' will be discont. (6-29)
LIVINGSTON MUN ARPT, SITE 10, HL-TWIN CITIES-Stn KVRI erecting 50' unlgtd antenna pole stop 300' hill 2.5 mi WNW (288° true). (3-11)
★**MILES CITY-RADIO: VOR rng placed in oper for test purposes July 19 at lat 46-23-36, long. 106-56-30,** approx 3.85 mi SW of Miles City Arpt. Freq 112.1 mcs, ident. "MY". **Facs not flgt-checked,** unmonitored and should not be used for navigational purposes. **These data rcvd too late for charts and** Ⓡ symbol.
MILES CITY AIRPT-Bndry lgts inop. Obst lgts oper sunset to sunrise, ctc, rng, flood lgts on prior req. (5-7) See page 8. NW and NE floodlgts inop. (5-7)
MISSOULA CO. ARPT-NE/SW rnwy closed. NW/SE rnwy closed to class B-17 or heavier acft. (2-21)
MOORE ARPT-S end N/S strip rough. (7-30)
NIBBE-RADIO: FM on E course of Billings rng will be discont about Aug 11.
POLSON ARPT-Usable with ctn. (7-19)
PONDERA CO. ARPT (CONRAD)-Ctn in wet weather (muddy). (3-31)
POPLAR ARPT-Dangerous when wet. (9-6)
ROUNDUP ARPT-NE 2500' NE/SW strip unsafe-large holes, mrkd. (1-21)
SIDNEY ARPT-Ends of strips in cultivation.
VALLEY CO. ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using. (9-7)
NEBRASKA:**AINSWORTH MUN. ARPT-7.5 mi WNW is not Abandoned. Correct data page 28
CLAY CENTER ARPT-Use mrkd strips in wet weather, all way in dry weather. (3-10)
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (3-10)
CRETE ARPT-Use rnwys only. W 1/2 of E/W rnwy closed. (3-13)
ELGIN ARPT-Haystacks on fld. (3-10)
FREMONT ARPT-Sod areas freshly seeded-unsafe for landing or taxiing when wet. Closed Sun, Aug 3 from 1000 to 1800 except last quarter of each hr when it will be open to trans traffic. Closed condition will be indicated by large white X or the large white word CLOSED during the first three quarters of each hr. Avoid race course pylons on or near fld. (7-2)
GRAND ISLAND AAF-Blinding ceilometer lctd 1000' N of Admin Bldg. (5-8)
HARMON ARPT (KEARNEY)-Ctn in wet weather. (6-9)
HASTINGS ARPT-Use strips only-soft. (5-24)
KEARNEY AAF-RADIO: Army H fac temp inop. (1-21) FLD: No opers office. (3-24)
LINCOLN ARPT-Correct lctn lat 40-51-15, long. 96-45-30. (5-12) See page 36. Priv acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. (5-1)
NORTH PLATTE ARPT-Army acft rstd from refueling except in extreme emerg. (10-9)
OMAHA ARPT-RADIO: July 2, lclzr and glide path of CAA ILS inop. When oper resumed voice and ident features of lclzr will be operative. FLD: Use rnwys only. Rnwy 17R-35L avail. days only. (4-7)
**100th MERIDIAN ARPT (COZAD)-ABANDONED. (4-21) See page 36.
PENDER ARPT-Extreme ctn during wet weather. Lgt acft only. (2-20)
SCOTTSBLUFF ARPT-Taxi strip in E end fld leading to NE/SW rnwy closed. (7-7)
SIDNEY INT, SITE 50, SL-OH-Use rnwys only, bal fld rough. (4-23)
SIDNEY MUN. ARPT-Soft in wet weather. Equip. on fld. (6-18)
NEVADA:BATTLE MTN FLIGHT STRIP, SITE 35, SF-SL-Shoulders soft when wet. (7-12)
NEVADA:BOULDER CITY ARPT-N edge of SW end NE/SW rnwy soft. **Land near center of rnwy. (7-2)**
**COALDALE ARPT-New fld. Lat 38-02-00, long. 117-53-30. (6-26) See page 76.
DOUGLAS-TAHOE ARPT (MINDEN)-S 700' N/S taxiway closed. (4-2)
FERNLEY INT, SITE 22, SF-SL-Rough with soft areas due to wind erosion, soft **sand, mrkd** Avail. days only. (3-11)
GOODSPRINGS-RADIO: FM temp inop. (6-19)
HAWTHORNE ARPT-Traffic is 1600' outside of **city mi square and 600' alt. Civil acft** advised to enter and leave fld by following the **main thru hwys and not fly directly over** any bldgs. (3-3)
HUMBOLDT INT, SITE 28B, SF-SL-Washes **E portion fld dangerous lgt acft, mrkd. (4-5)**
LAS VEGAS-RADIO: VAR rng oper on test **basis - disregard spurious signals.**
LAS VEGAS AAF-Bndry, rnwy rng lgts in cont **ngt oper. Rnwy ctc lgts and mcon approach** lgts not avail. midngt to 0800 daily. (2-17)
MORMAN MESA INT, SITE 31B, LA-SL-NE end NE/SW strip being extended 600'. Const in progress until approx Aug. 9. Sections **of the bndry lighting will be inop during const.** (7-15)
TAHOE SKY HARBOR ARPT (ZEPHER COVE)-Trans or inexperienced pilots avoid using. (8-5)
WELLS INT, SITE 46, SF-SL-E/W strip 5700' long with paved rnwy 5500 x 150' and NE/SW strip 3800 x 500' will be comm about July 24 for daytime use only. Lighting consisting of bndry lgts on E/W strip, 6 RPM clear bcn with green course lgts flash. char dash dot dash and lgtd wind **cone** will be **comm** at a later date when pwr avail. Equip. along edges of strips. (7-16)
YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)
NEW HAMPSHIRE:BOIRE FLD (NASHUA)-Wind sock atop brick hangar indicates wind condition. In calm air conditions take off and land to NW. Unlgtd 34' hangar under const adj to bldgs S border of fld. Rnwy const NW end of fld. **Equip. on fld. Use ctn. Bcn oper** intermittently. (7-14)
BRATTLEBORO-HINSDALE **AIRPARK (HINSDALE)-Use only N/S strip unless familiar** with fld. (6-4)
CONCORD ARPT-Lgts Rnwy 3-21 inop. (5-12)
DEAN MEMORIAL ARPT (HAVERHILL)-New strips dangerous when wet. (2-17)
GRENIER FLD (MANCHESTER)-RADIO: Army ILS glide path inop. (7-10)
HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-9)
LACONIA ARPT-Safety strips rough. Holes and cave-ins edges E/W rnwy. (4-12)
LAFAYETTE FLD (PORTSMOUTH)-CLOSED (emerg use only). (5-6)
LAKES REGION ARPT (WOLFEBORO)-Turf strip unsafe (flooded areas). **(4-7)**
NEWPORT ARPT-60' trees N end N/S strip. (10-9)
NEW JERSEY:ATLANTIC CITY-RADIO: VHF rng inop. (6-6)
ATLANTIC CITY NAS-Lgtd 250' rdo twr erected 1.5 mi NE (40° true) at lat 39-22-29, long. 74-26-34. (6-14) Avail. 0800 to sunset. ETA prior to 0800 and after sunset rqrs 24 hrs previous arrangement with Opers Officer. (12-11)
ATLANTIC OCEAN-Over-water bombing practice approx 40 mi off shore will be conducted at the following positions: lat 39-47-10, long. 73-26-00; lat 39-22-00, long. 73-25-00. This activity has not yet been cleared with Airspace Subcommittee.
CALDWELL-RADIO: VAR rng will be comm soon at lat 40-50-45, long. 74-23-00. Freq. 109.1 mcs. Ident. "NU". Visual courses: 112°,292°; aural courses: 22°,202°. Var 11°W. Class: VARW. (7-10)
CALDWELL-WRIGHT ARPT-Right traffic when taking off and landing from SW. (4-24)
CAPE MAY CGAS-Closed to trans acft except in emerg (caretaker status-no facs).
COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (3-3)
HADLEY ARPT (NEW BRUNSWICK)-Use only cinder strips in wet weather. (2-27)
LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Right traffic when taking off and landing to the SW. (5-16)
LAMBROS SEAPLANE BASE (RIDGEFIELD PARK)-Right traffic for take-offs and landings to the S. (7-18)
LINCOLN PARK ARPT-Right traffic N, NW, NE winds. (5-7)
LITTLE FERRY SEAPLANE BASE-Right traffic when taking off to the S. (1-29)
LYNDHURST-Bcn atop N twr Rdo Stn WINS inop. (1-29)

[redacted]:MELLOR-HOWARD SEAPLANE BASE (RIDGEFIELD PARK)-Right traffic when landing to the E. (1-24)
MILLVILLE ARPT-Rnwys incorrectly mrkd. N/S rnwy 18-36 should be 1-19; NE/SW rnwy 4-22 should be 5-23; E/W rnwy 9-27 should be 10-28; NW/SE rnwy 13-30 should be 14-32. Rwdry lgts inop. Ctc lgts E/W, N/S rnwys inop. (4-4)
NEWARK-RADIO: About July 29, LFM will be comm at Calco Stack, lat 40-43-00, long. 74-08-21. Ident. 1 dash. SW course 2° SE, bear. 56°. (7-7) Following repairs, courses may have shifted.
NEWARK ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-23) FLD: To reduce acft noise over Newark residential area and avoid tall bldg section: 1, Increase rate of climb as much as practicable. 2. N-bound or E-bound acft make left turn as soon as practicable in take-off to SW. 3. Make a half left turn as soon as practicable in take-off to W. 4. Make a half right turn as soon as practicable in take-off to N. Pass at least 500' E of gas tanks lctd in Harrison when making a S approach to the N/S rnwy. (9-7) Closed to all acft without 2-way rdo. Landing fee for trans acft now in effect based on weight. All acft must taxi to Registry Office NW side fld and register. E 800' Rnwy 28 rough. Pilots are to make approach for numeral on rnwy. No hangar space for Army acft. 75' lgtd pile driver 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. Ditch 12' E on both sides of and parallel to red approach lgts and overrun on Rnwy 6, extending up to green ctc lgts then continuing from Rnwy 6 to E taxi strip and along E side of same for approx 1500'. No maintenance facs mil acft. (7-11)
OCEAN COUNTY ARPT (BRETON WOODS)-Const on NE/SW strip. (2-25)
REDBANK-Captive meteorological balloon vcnty of Redbank between 2100 and 0600 daily until Sept. 1. Balloon will be released only when the ceiling is 2000' and visibility 5 mi or better. (7-2)
RED BANK ARPT-Closed to acft over 10,000 lbs except by prior fone arrangements. (7-19)
SOMERSET ARPT (SOMERVILLE)-On W take-off start left turn as soon as practicable. On NW take-off make gentle right turn as soon as practicable followed by wide left hand pattern: (3-16)
TARRYTOWN SEAPLANE BASE-Right traffic when landing and taking off during S winds. (6-25)
TETERBORO AIR TERMINAL (BENDIX)-Const. Pilots using fld do so at their own risk. Rdo rcvrs rqrd all acft using fld. Unsurfaced taxiways rough. 400' min. ceiling with 1 mi visibility authorized for non-scheduled air carrier take-offs under IFR conditions. S taxi strip closed-const. All rnwys being extended. Rnwy 6 avail. with ctn. (7-15)
[redacted]:ALAMOGORDO AAF-RADIO: Army rng inop. (6-6) FLD: Wind tee inop. Closed to all trans acft except on orders from CG, AAF; CG, AMC; or CG, SAC. Acft will not carry passengers not listed on orders to this fld. Opers and svcg avail. 0730 to 1600 Mon thru Fri only. (6-6)
ALBUQUERQUE ARPT-Used by WAA. Avail. only for delivery surplus acft, prospective purchasers of surplus acft or parts, or in emerg. E/W rnwy closed. (4-18)
CARLSBAD ARPT NO. 1-CLOSED (rnwys in need of repairs). (7-7)
**CARLSBAD MUN ARPT-No flood lgts. Fld lgts on req. (1-15). See page 104, 120.
**CLAYTON ARPT-Two lgtd 146' rdo twrs erected, (1) for stn KHHG 34.2 mi NNW (330° T) at lat 36-52-12, long. 103-27-36; (2) for stn KHIJ 7.0 mi NE (44° T) at lat 36-31-00, long. 103-04-25. (6-26)
★CLOVIS AAF-RADIO: Army rng, twr to be discont soon. Army twr opers in emerg only. (7-1) Army air/gnd stn transmits and rcvs on 4765 kcs in addition to freqs previously published. (7-16) FLD: No opers office. Emerg landings only ngts. (5-21)
CONDRON FLD-See notice under White Sands Proving Ground, N. M.
CREWS FLD, SITE 42, EO-PU (RATON)-Avail. days only. (3-18)
GALLUP ARPT-E/W rnwy closed. (3-18)
GALLUP CITY ARPT-ENE/WSW strip under const. (3-18)
★HOBBS AAF-RADIO: Army twr now oper 0630 to 2300 daily. These data rcvd too late for inclusion on data page. (7-15) FLD: Rnwys 3-21, 12-30 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)
HOBBS MUN ARPT-Allway landing area rough. Heavy acft use rnwys only. (3-18)
JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)
KIRTLAND FLD (ALBUQUERQUE)-RADIO: CAA ILS lclzr and glide path will be shut down [redacted]:Aug 28, until approx Sept 1, for adjustment and installation work. (7-18) CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-5)
LAS VEGAS ARPT-Use rnwys only, bal fld unsafe. (2-21)
LOS ALAMOS AIRFLD-Closed. Landing permission must be obtained from the Area Mgr, United States Atomic Energy Comm, Santa Fe Area, P. O Box 1539, Santa Fe, N. M. (5-15)
LOVINGTON ARPT-Cattle on fld. (9-16)
MAGDALENA MUN. ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (3-18)
OTTO INT, SITE 74, LA-AQ-Unsafe lgt acft-rough. (6-18)
PARKER FLD (RUIDOSO-FT. STANTON)-Cattle on fld. (9-16)
ROSWELL-Inten inst train. on Roswell Rdo Rng below, above, and in overcast. Acft inbound to Roswell or operating in vicinity under IFR, contact Roswell Radio for instructions
ROSWELL AAF-Ltd parking. (2-16)
SANTA FE ARPT, new-Army acft rstd from refueling except in extreme emerg. (1-15)
**TRACY FLD (CARLSBAD)-ABANDONED. (6-30) See pages 104,120.
TULAROSA ARPT-Use E/W strip only. (9-16)
WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condron Fld, White Sands Proving Ground will be cleared to Biggs Fld, Tex, and will obtain permission and instructions from Biggs Fld Opers before landing at Condron Fld. When Condron Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by rdo prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condron Fld. (10-14)
[redacted]:AERO LAKE SEAPLANE BASE (KINGSTON)-Right traffic when wind from the N. (5-27)
ALBANY-RADIO: Comsackie FM placed in cont oper July 9 for test and equip. shakedown purposes, will be comm about July 29. FM on S course at lat 42-22-30, long. 73-49-50, ident two dots three dashes. Flgt-checked July 1, radiation pattern normal. About July 30, weather permitting, rng freq will be changed to 263 kcs.
ALBANY ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-22) FLD: Equip. on fld intermittently. (2-22)
AMSTERDAM ARPT-CLOSED (soft) (4-11)
BATH-H'SPORT ARPT (HAMMONDSPORT)-Right traffic for landings and take-offs to the W. Use strips only-newly seeded sod, slippery when wet. (6-23)
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO-RADIO: Auto. rng monitor. sys inop. (6-29) Rng flgt-checked May 30, NE course 4° NW, bear. 226°.
BUFFALO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-26) FLD: Acft entering and departing Buffalo traffic zone use ctn-new arpt 4000' ESE. Rnwys and taxi strips mrkd with black flags for winter opers. (5-30)
CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control lcl traffic and at other times when circumstances make such practices consistent with safety. Reconditioning and resurfacing of rnwys and twys. Equip. on fld. Const until approx July 31. (7-17)
CHRISTIE ARPT-Fld soft. Closed to trans acft. (3-8)
COLUMBIA AIRFLD (VALLEY STREAM)-Closed to all Navy acft except in emerg. (5-13)
★DANSVILLE-RADIO: VHF voice fac comm at common stn. Transmits on and gds 116.1 mcs cont. Voice, hourly weather reporting service comm from 0700 to 2300.
FLOYD BENNETT FLD NAS (NEW YORK)-Avail. 0800 to sunset. Avail. to transport traffic after sunset upon receipt of 2 hrs prior req of ETA. (5-18)
FLUSHING ARPT-Right traffic on N and NW, wind from 315° to 360°. All turns to left on ground. (3-28)
FORT PLAIN INT, SITE 40A, CV-AZ-Safe for middle weight twin-engine acft. SE 700' NW/SE, SW 300' NE/SW strips soft and rough. Dangerous areas mrkd. (7-7)
FULTON ARPK-Right traffic when landing S and SE. (3-31)
HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HYLAN FLD (ROCHESTER)-Use strips only, ctn when wet. (5-18)
IDLEWILD-RADIO: Rng flgt-checked July 7, SW course 2° SE, bear. 40°. CAA ILS comm Apr 9, for purposes of pilot training and familiarization only. Hrs of oper: 0830 to 1700 Mon thru Fri. Serves Rnwy C (ENE/WSW) with approach from WSW. Mag. heading for

[redacted]:landing: 72°. Lclzr freq 109.5 mcs, ident. "NY". Glide path freq 332.6 mcs, angle: 2l6°. Outer mrkr lctd 5.8 mi from end of Rnwy C, keyed 2 dashes per sec. All acft utilizing this fac must clear with Navy twr at Floyd Bennett Fld. Idlewild Arpt under const and minimum alt permitted during simulated approaches will be 200'. (4-11)

IDLEWILD ARPT-Not yet opened-const. (3-13)

ISLIP-RADIO: Commissioning of VHF rng has been indefinitely postponed. (5-2)

ITHACA ARPT-Right traffic pattern in use. (3-3)

KINGSTON ARPT-Right traffic when wind from S. (5-27)

★LA GUARDIA FLD (NEW YORK)-RADIO: GCA now transmits on 209,362 kcs, 118.1,118.7, 121.9,126.1 mcs. TWA 6510 kcs day, 3062.5 kcs ngt. Colonial 5480 kcs day, 3137.5 kcs ngt. Avail. from trailer in emerg. only are 118.3,118.5,118.9,116.1,140.58 mcs. (7-15) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (3-25) FLD: ARMY ACFT HAVING OFF. BUS. WITH HQ ATLANTIC DIV ATC FT. TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. with Cmdr Eastern Sea Frontier or Hdqs 3rd Naval District when RON or refueling services not rqrd. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVAL ACFT USE NAS FLOYD BENNETT. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Obst lgts atop lclzr shack approach end Rnwy 22 and end Rnwy 4. 20' lgtd bldgs 300' E of NE end NE/SW rnwy. 40' GCA truck and trailer 500' W of intersection Rnwys 4-22 and 13-31, mrkd. 25' derrick operating in Bowery Bay vcnty of approach to Rnwy 9 until approx July 25, lgtd. (6-10) Port of New York authority advises that no four-engine acft carrying passengers or cargo shall use Rnwy 18-36 for landings or take-offs. (6-5)

**MAC ARTHUR ARPT (ISLIP)-Neon approach lgt lane lctd SW end NE/SW rnwy comm July 2, 1947. This corrects Airman's Guide, Vol 2, No. 8. (7-16) Rnwy 14-32 closed (cable being installed). Acft use ctn-unconventional flgt test oper. Equip. on fld days. (7-7)

**MASON ARPT (GENEVA)-Lgtd 207' rdo twr for stn WHIN erected 2.5 mi ESE (108° T) at lat 42-51-35, long. 77-00-59. (6-3)

MASSENA-RADIO: VHF rng unmonitored. (7-7) FLD: 156' twr Rdo Stn WMSA lctd 3 mi SW (232° true) temp lgtd with red lgts on top. Upon completion lighting facs will consist of 300 mm flash. bcn atop and four side lgts; two at 1/3 level, 2 at 2/3 level.

MASSENA ARPT-Use rnwys, taxi strips only-turf rough. (2-21)

MITCHEL FLD (HEMPSTEAD)-RADIO: AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 18-36 closed. (4-25)

NANTICOKE VALLEY ARPK(MAINE)-Flares avail. in emerg. (3-17)

NASSAU ARPT (HEMPSTEAD)-Fld not maintained. (6-26)

NEW HACKENSACK ARPT-CLOSED. (3-10)

NEW YORK-SPECIAL NOTICE-New traffic control procedures entitled "Instrument Flight, New York Metropolitan Area", see Special Notice, page 152.

NEW YORK-Each week end, weather permitting, between the hrs of 0900 Sat and 1600 Sun, Naval acft from NAS New York will conduct live gunnery runs and practice bombing in the following areas over New York Harbor; beginning at lat 40-36, long. 73-15; to lat 40-49, long. 72-30; to lat 40-00, long. 72-30; to lat 40-00, long. 73-16; thence to point of beginning. (2-6) THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.

NEW YORK-SPECIAL NOTICE-All acft operating in the vicinity of Upper Manhattan, New York City, New York, avoid flying over or near Lewisohn Stadium, 137th and Amsterdam Avenue, between the hrs of 2000 and 2300, June 16 to Aug 9. Lctn just E of the Hudson River Midway between the NW corner of Central Park, and the E end of the George Washington Bridge. (6-20)

NEW YORK CITY-See Special Notice "Restriction on Flight of AAF Acft in New York City Area".

NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2100 to 0700. (6-16)

NYACK SEAPLANE BASE-Right traffic on N take-offs. (6-25)

OLEAN ARPT-Fld hazardous. Keep off graded rnwy. Fone prior to using. (3-6)

[redacted]:OQUAGA LAKE SEAPLANE BASE-Base lctd at lat 42-03, long. 75-29 is a resort lake during July, Aug, and Sept. resulting in increased activity. Seaplanes using this lake are ctnd to use extreme care while operating in this area. (7-18)

PENN YAN ARPT-Ctn at N/S and E/W intersection. Soft in wet weather. (3-4)

PLEASANTVILLE-RADIO: MH fac operating for test purposes only at lat 41-08-07, long. 73-46-00, freq. 281 kcs, ident dash dot dash. Class: MHW. (7-19)

RANDALL'S ARPT (MIDDLETOWN)-Fld soft in wet weather. (3-1)

REPUBLIC FLD (FARMINGDALE)-Closed ngts. No lgt facs. (3-3)

RIDGEWAY ARPK (ROCHESTER)-Use rnwys only - extreme ctn in wet weather. (3-27)

ROCHESTER ARPT-Use rnwys only - soft. No hangar space. Equip. on fld days. (2-24)

ROCKLAND ARPT (NEW CITY)-50' unlgtd pole immediate vcnty of arpt. (6-5)

ROME AAF-Traffic alt 1500' MSL. Right traffic pattern Rnwys 6, 33, left traffic pattern Rnwys 10,15, 24. Hospital 3/4 mi from Rnwy 28 - avoid if possible. Clump of trees 125' to left and 700' from end of Rnwy 24. (4-18)

ROSS ARPK (PULASKI)-Use center of rnwys only. Sides soft. (4-5)

**ROUSE POINT SEAPLANE BASE-Arpt of Entry. (7-2)

RYE-RADIO: MH fac placed in cont oper July 9 for test and equip. shakedown purposes at lat 40-58-28, long. 73-43-11, 12.6 mi from La Guardia rng stn on the NE course. To be comm about July 29. Flgt-checked July 7, oper normal.

**SACANDAGA PARK (NORTHVILLE)-CLOSED (6-27) See page 54.

SALAMANCA ARPT-Right traffic when taking off and landing into the W. (5-7)

SALAMANCA ARPT-SPECIAL NOTICE-The City of Salamanca has passed an ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100 for each violation. Closed to heavy acft.

SARANAC LAKE ARPT-Use rnwys, taxi strips only - turf rough. (11-27)

SCHENECTADY COUNTY ARPT-Equip. on fld intermittently. Use rnwys only, grass areas soft. (3-26)

SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic when landing to the E, 800' mtn directly N of fld. (5-5)

SCOTT FLD (LANCASTER)-CLOSED. (6-6)

SHAWNEE FLYING SERVICE (NORTH TONAWANDA)-Glider activity, including airplane and auto tow in progress during the summer and autumn months. (6-12)

SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const - NE/SW avail. with ctn. (2-21)

SILVER CREEK ARPT-CLOSED (const). (6-12)

SMITHPORT INC. (UTICA)-Use paved runway only. (5-9)

**STEENBURGH AVIATION SERVICE (GLOVERSVILLE)-CLOSED (6-27)

STEWART FLD (NEWBURGH)-No Army acft will be cleared this fld under IFR. (4-4)

SYRACUSE MUN. ARPT-Turf areas soft after heavy rains. (6-13)

**SYRACUSE ARPT-CLOSED. (7-3) See page 52. About Sept 1, approach lgt lane will be comm E end E/W rnwy. (7-3)

TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (2-25)

TROY ARPT-Bcn inop. (10-10)

UTICA ARPT-Pipe line installations NE side fld, mrkd. Equip. on fld days. (6-19)

VALLEY AIR PARK (MIDDLEBURG)-Right traffic when landing to NW. New strip under const. Present strip will have equip. on it all summer. (7-7)

**VAUGHAN FLD (JOHNSTOWN)-CLOSED. (6-27) See page 54.

WALLINGTON ARPT (SODUS)-Wires S end N/S strip, orchard N end. Equip. on fld. Avail. lgt acft only. Ctn when wet. Avail. days only. (5-29)

WARREN CO. ARPT (GLENS FALLS)-Equip. on fld intermittently days. (5-27)

WATERTOWN-RADIO: VHF rng unmonitored. (7-7)

WERLE FLD (DUNKIRK)-Scattered ruts on fld, mrkd. (6-19)

WESTCHESTER-RADIO: MH fac operating for test purposes only at lat 41-04-09, long. 73-43-01, freq. 260 kcs, ident. dash dot dot. Class: MHW. (7-19)

WESTCHESTER CO. ARPT (WHITE PLAINS)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-6)

WINGDALE ARPT-Avail. lgt acft only - rough. (3-21)

ZAHNS AIRFIELD (AMITYVILLE)-Right traffic when landing and taking off to the N as P84 Jets are flying from Republic Fld. (5-8)

NORTH CAROLINA: ASHBORO ARPT-220' twr Rdo Stn WGWR being erected 6.5 mi NNE (13° true), temp obst lgtd. (5-14)
ASHEVILLE-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy, approach all rnwys with ctn, equip on fld. No radio facs. (1-7)
ATLANTIC MCAAF-Use in emerg only (caretaker status-no facs)
BALLOON FLD NO. 1 (FORT BRAGG)-CLOSED TO ALL ACFT. No army maintenance.
BOGUE MCAAF-Use in emerg only (caretaker status-no facs). (4-16)
BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (12-6)
BURLINGTON ARPT-N/S strip and all sod area unusable. Use rnwys only. (2-20)
CAP ARPT (RALEIGH)-S 200' N/S strip unusable. SW 1400' NE/SW strip under const.(2-10)
CHARLOTTE-RADIO: Soon, rng will be shut down for approx 3 days for conversion to simultaneous fac. (7-14). Stn class will be: SBMLZ-DTV
CHERRY POINT MCAS-Equip. on rnwys. (6-30)
EDENTON NAS-Use in emerg only (caretaker status-no facs)
ELIZABETH CITY CGAS-Stay on rnwys-shoulders soft, rough. Closed ngts from 1900 to 0700 except on prior arrangement. Civil acft use only in emerg or with prior permission of the CO. Closed to acft exceeding 60,000 lbs gross weight. Rnwy 5-23 closed. Equip. on fld. (6-13)
FORT BRAGG-Heavy firing is being conducted in all sections of Ft. Bragg danger area up to 20,000'. All acft must avoid this area shown on Flight Planning Chart 95 herein. Inten training days with rdo control target planes from fld 6 mi due E of N end Pope Fld Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute
GASTONIA MUN. ARPT-Training program consisting of from 2 to 6 acft in progress ngtly during CFR conditions. All flights conducted below 3000'. (1-29)
••GREENSBORO-RADIO: Auto. rng monitor sys comm July 18
GREENSBORO-HIGH POINT ARPT-Use rnwys only. (6-26)
HICKORY-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
JOSEPHSON ARPK (ASHEVILLE)-Four 181' twrs rdo stn WLOS being erected 0.5 mi NE (35° true), temp lgtd. (6-28)
KINSTON ARPT-Avail. civil acft only in emerg. (11-13)
NEW BERN-RADIO: Visual aural VHF rng completely shut down for freq. change. (7-10)
••PITT-GREENVILLE ARPT (GREENVILLE)-Bcn, range, port flood, and rnwy ctc lgts prior req. (1-7). See page 96.
POPE FLD (FT. BRAGG)-RADIO: AACS oper HF/DF stn temp suspended. (4-24). Army rng unreliable; all courses swinging, NW and SE courses too wide on on-course signal. ((5-12) FLD: CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAY RDO-USE AUX. FLD. 2 MI S, AT FT. BRAGG. 73 oct. avail. that fld. (1-31)
RALEIGH-DURHAM ARPT-ILS and transmitter bldgs 900' from NE end NE/SW rnwy. Glide path unit 400' S centerline and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obsts mrkd. Use rnwys, taxi strips only. (7-18)
ROANOKE ISLAND ARPT (MANTEO)-Bcn inop. (10-4)
ROCKY MOUNT-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
SEYMOUR-JOHNSON FLD (GOLDSBORO)-Use rnwys only-shoulders soft.
••SIMMONS-KNOTT ARPT (NEW BERN)-36" rot. bcn green and white, bndry, rng and port flood lgts on req. (12-9). See page 96.
SMITH REYNOLDS ARPT (WINSTON-SALEM)-N/S rnwy lgts very dim. (7-15)
THOMASVILLE ARPT-Ctn-strip rolling. (3-28)
WEEKSVILLE NAF-LTA-Avail. HTA and LTA acft from 0800 to 1630, all other times by prior arrangement with the CO or Operations Office. (7-16)
WILMINGTON-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
[redacted]: BISMARCK-RADIO: 116.1 mc transmitter and rcvr temp inop. (6-15)
BISMARCK ARPT-Use rnwys only. Crash and fire fighting equip. avail. 0800 to 1900 only. 12' bldg and trenching opers in vcnty SE end NW/SE rnwy, mrkd. (7-5)
JAMESTOWN-RADIO: Range inop. Unkeyed 1020 cycle homing signal being cont emitted on carrier freq 344 kcs, except during voice transmissions. (7-16)
JAMESTOWN ARPT-Bcn and wind sock inop. Bndry and obst lgts will be in cont oper. during hrs of darkness. (7-15)
PEMBINA INT, SITE 14A, FO-WG-Closed to acft over 5000 lbs. (7-5)
VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES-Use rnwys only-newly seeded. (7-5)
OHIO: AKRON ARPT-Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg. on arvl and dptr. Ltd svcg facs only. (5-1)
AKRON-CANTON ARPT-CO. FLD (CANTON)-Use rnwys only. No down-wind taxing on rnwys. Equip. on fld days. (5-7)
BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)
BRICKER FLD (BOWLING GREEN)-Use right trafffic when landing or taking off to N, W and SW (3-1)
BRYAN-DEFIANCE MEMORIAL ARPT (DEFIANCE)-NE/SW rnwy under const. 50 pot torches on E/W rnwy avail. for ngt landings on prior req. (2-26)
CEDAR LAWN ARPT (KENTON)-Use strips only. (6-26)
CHARDON ARPT-Use rnwys only. Soft in spring rainy season. (5-13)
CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. Land with wind tee regardless of wind direction. (11-25)
CLEVELAND-RADIO: Ctn-VHF rng unmonitored.
CLEVELAND ARPT-Trans pilots must register in Terminal Bldg upon arvl and dptr.. Landing fee on all civil multi-engine acft. (6-23)
CLINTON CO. AAF (WILMINGTON)-RADIO: Soon, courses of VHF rng will be realigned to: 04°, 94°, 184°, 274° (7-17) FLD: Rnwy lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC Center upon entering or prior to dptr from ATC area. Inten inst train. being conducted; for danger area outline see Chart Columbus 63. Balloon 6' diameter, 25' long will be hoisted to 25' MSL before during and after thunderstorms at approx lat 39-11-00, long. 83-47-00. (5-15)
★DAYTON ARPT-RADIO: CAA ILS lclsr now equipped with voice, freq. 110.3 mcs., ident "DY". Approach bear. 55° Compass lctrs will be comm at a later date. See page 46. FLD: Sod area W Rnwy 18-36 rough-use in emerg only. At ngt and during wet weather use rnwys only. Taxi strip on E side of fld between Rnwy 27 and Airline loading ramp rough. (7-15)
FAIRFIELD-RADIO: Army FM unreliable. (2-17)
GRIESER ARPT (WAUSEON)-Use strips only. (7-3)
GRIMES FLD (URBANA)-Use strips only. Land according to wind tee lctd in center of fld. (3-1)
LAKEVILLE ARPT (CONNEAUT)-Closed to heavy acft. Ctn in wet weather. Use strips only. (3-27)
LAKEWOOD ARPK (CINCINNATI)-Right traffic E, left traffic W. (2-23)
LANSDOWNE ARPT-Rough-land with ctn. Soft in wet weather. (6-13)
LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclsr of Army ILS inop. (12-30)
FLD: Equip. all rnwys 0800 to 1700 Mon to Sat until Aug. 31. (6-4)
LORAIN SKYPORT-Trans acft avoid fld in wet weather. (5-13)
LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Rnwy 6-24. (3-28)
MANSFIELD ARPT-Use rnwys, taxi strips only. Equip. on fld (const). Temp 35' pwr line erected along W side fld S of hangar line. (5-2)
MARION ARPT-Use only NE/SW, NW/SE strips W side fld. NE/SW, NW/SE strips extend into cultivated area W end fld. (6-4)
McKINLEY ARPT (CANTON)-80' twr NW corner fld. (4-26)
MEDINA PRICHARD ARPT (MEDINA)-E/W, NE/SW strips closed. Land N-S in W portion of sodded fld. Watch where local acft land. (2-3)
MIDDLETOWN ARPT-Right traffic pattern taking off to S, SW and W.
NEWARK ARPT-Guyed derrick 240' above gnd 1/4 mi W on Pure Oil Refinery Property. High guy wires will fan out from top of structure. (7-3)
NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)
OHIO STATE UNIV. ARPT (COLUMBUS)-Const. Trans use rnwys only. (2-26)
PARK WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E, NE, SE. (3-3)
★PATTERSON FLD (FAIRFIELD)-RADIO: Army ILS (SCS-51) inop. (6-3)
Arfld twr now transmits on 396 kcs., 126.18, 127.88 mcs. (7-3) FLD: Equip. on fld. Line of [redacted] poles 50' high 1500' approach Rnwy 24, lgtd. Rnwys 3-21, 7-25 closed; 18-36 only avail. (4-21)

OHIO: PAULDING ARPT-Soft when wet, land at own discretion. (2-26)
PORT COLUMBUS NAS (COLUMBUS)-RADIO: Compass lctrs at middle and outer mrkr sites of CAA ILS will be comm soon. (7-11) FLD: Use rnwys only-grass areas rough. Glide path and neon approach lgts not operating pending removal of obsts in approach lane. 30' portable twr on Curtiss Wright taxi strip W side fld 800' from E/W rnwy and 800' from NW/SE rnwy until approx Oct. 7 between 0800 and 1700. No fuel for trans mil. acft. (7-3)
**PUTNAM ARPT (OTTAWA)-New fld. Lat. 41-01-30, long. 84-01-30. See page 46.
RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)
REED'S FLD (WATERTOWN)-Acft use ctn in wet weather. (5-13)
SKY HAVEN ARPT (NORTHFIELD)-Ctn when wet. (2-24)
**SOLON ARPT-Flood lgts on req. (5-1). See page 140.
STOMBAUGH ARPT (BRYAN)-Ctn wet weather. Use rnwys only. (2-20)
STOUT FLD (NORTH KINGSVILLE)-E/W strip closed. (6-1)
TAYLORCRAFT ARPT (ALLIANCE)-No rdo. Left hand 800' pattern. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots rqrd to register in Opers Office upon arvl and prior to dptr. Exper and production test flying immediate vcnty. Land according to wind tee atop NE corner of hangar. Mobile gnd traffic crossing SE end NW/SE rnwy intermittently. Open to trans acft only. (6-23)
TOLEDO-RADIO: Ctn-VORW rng unmonitored.
TOLEDO ARPT-Equip. on fld 1500' S intersection. Wind tee free swinging. All sod landings parallel to active rnwy. Major const extending from E thru SW quad. Sod areas this section closed except for taxiing. Equip. on various sections during const, mrkd. (7-15)
VAN WERT ARPT-Unsafe heavy acft. Lgt acft land with ctn. Soft when wet. (5-1)
WARD ARPT (BEDFORD)-SW end NE/SW strip under const. Strips unusable during thaws (3-2)
WELLINGTON-RADIO: VARW rng unmonitored.
WELLINGTON ARPT-Right traffic on S and SW rnwys. Const N end N/S rnwy. Closed during thawing weather. (3-13)
WILLOUGHBY ARPT-New NW/SE strip under const. Use with ctn. (5-13)
WRIGHT FLD (DAYTON)-CLOSED TO ALL TRANS ACFT EXCEPT IN EMERG. All trans Army and Navy acft use Patterson Fld. (3-16)
YOUNGSTOWN-RADIO: Ctn-VORW rng unmonitored.
YOUNGSTOWN ARPT-Use rwys only. Equip. on fld. (3-13)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron ngts on req only. Hangar const NE portion fld approx 700' NW of NE/SW rnwy, unlgtd. (7-17)
OKLA: ALTUS AAF-Avail. only for deliverty surplus mil acft or in emerg. Equip. on and near N/S rnwy. (3-17)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg. only. No fuel or svcg avail. trans acft-use Ardmore Arpt, site 10, FV-WD. Inten ctc and inst train. in progress. Use rnwys only. (5-27)
CADDO FLYING SERVICE (FT. COBB)-Use with ctn when wet. (3-9)
CIMARRON FLD (YUKON)-Now a WAA Sales and Sto. Center. No svcg, repairs or overngt sto. Planes parked on fld. 4 strips indicated by pylons and mrkrs. Lime mrkings center of each strip. (3-17)
**CHICKASHA ARPT-Rnwy ctc, range, obst lgts on req. No bcn or flood lgts. (3-4) See page 86.
COUNTRY CLUB ARPT (OKLAHOMA CITY)-Only N/S, NW/SE strips avail. (3-17)
**DAVIS FLD (MUSKOGEE)-24" rot, green bcn, ctc, range, obst lgts. No flood lgts. Fld lgts on req. (5-7). See page 84.
**DOWNTOWN ARPK (OKLA CITY)-New fld. Lat. 35-27-30, long. 97-32-30. (7-9). See page 86.
**EL RENO ARPT-Ctc and range lgts on prior req. No bcn. (3-4). See page 86.
GAGE-RADIO: Auto. rng monitor. sys installed, awaiting flgt-check before comm. (7-10)
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
**GUTHRIE MUN ARPT-Course lgts changed to clear. (7-4)
**HALLIBURTON FLD (DUNCAN)-Bndry, range, obst lgts avail. prior req. No bcn or flood lgts. (3-5). See page 84.
HATBOX FLD (MUSKOGEE)-Use rnwys only-parked acft.
**HOLLIS ARPT-Lat. 34-22-00, long. 99-55-15. (3-7). See page 84.

[redacted]: IDABEL ARPT-Avoid S 1/3 N/S strip after heavy rains. (2-28)
**LAWTON ARPT-No bcn. (3-5). See page 84. Obst lgts inop. Bndry, flood lgts on req. (3-17)
MAX WESTHEIMER FLD (NORMAN)-Avail. all acft up to 30,000 lbs days only Lcl traffic avoid flying over bldg area and corporate limits of Norman. (3-17)
NUCKOLS FLD (OKLAHOMA CITY)-Use rnwys only. (1-14)
OKLAHOMA CITY-RADIO: Soon, rng and voice commun. will be shut down for modernization. (7-7)
POST FLD (FT. SILL)-All except liaison acft use rnwy. Rnwy unlgtd; closed ngts. Const, equip. on fld. Bcn atop water twr inop. (3-7)
ROOSEVELT-RADIO: Ctn-VHF rng unmonitored. (4-10)
SHAWNEE ARPT-Use rnwys, taxi strips only (3-17)
STILLWATER ARPT NO. 1-325' twr Rdo Stn KSPI being erected 4 mi SSE (160° true). (2-20)
TINKER FLD (OKLA CITY)-RADIO: Army rng unreliable, for homing only. (6-11) FLD: Use rnwys, taxiways only. Stored acft adj rnwys. W ramp congested 6' obst N end N/S rnwy 100' off center. (6-11)
TULSA ARPT-RADIO: CAA ILS lclzr and glide path will be shut down Sept 8 until Sept. 12, for adjustment and installation work. (7-18) FLD: Pilots without rdo watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only. (3-25)
WILL ROGERS FLD (OKLA CITY)-RADIO: Soon, lclzr and glide path of CAA ILS will be shut down for approx 3 days for installation of compass lctrs. (6-24) FLD: Bndry lgts inop-ctc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 type acft. Use rnwys, taxi strips only. (4-9)
WOODRING FLD (ENID)-Use rnwys only. (8-5)
[redacted]: ASTORIA-RADIO: Effect. Aug. 1, rng oper by Port of Astoria will be oper only when West Coast Airlines acft in vcnty and will be shut down at all other times except when prior arrangement made for its use. (7-17)
BAKER ARPT-Use rnwys only. (5-20)
BEND ARPT (old)-Usable in emerg. (5-2)
**CLATSOP ARPT (ASTORIA)-Bcn, range, apron flood, obst. and rnwy ctc lgts on req. Total charge for lighting arpt $5.00 (12-5). See page 1. Formerly Clastop Co Arpt. (12-5-46). See page 1.
COASTWAY SCHOOL OF AERONAUTICA (TILLAMOOK)-Right traffic W takeoffs and landings. (3-17)
★EUGENE-RADIO: Adtnl VHF voice fac avail. on 116.1 mcs. Stn now gds 3105, 4495, 6210, 3117.5 kcs, 116.1, 122.1 mcs. (7-21). These data rcvd too late for chart and data page. VHF omni-directional range oper for test purposes, not flgt-checked, is unmonitored and should not be used for navigational purposes. (6-27)
EUGENE ARPK-Restriction to acft weighing over 4000 lbs has been rmvd. (7-18). These data rcvd too late to delete ⑧ symbol.
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade. (6-5)
HOOD RIVER ARPT-Avail. lgt acft. Soft when wet. (3-13)
KLAMATH FALLS ARPT-Rnwy lgts Rnwy 7-25 inop. (2-19)
**LAKEVIEW ARPT-Correct location: lat 42-09-30, long. 120-24-15. Bcn, 24" rot, clear opers on req. (5-8). See page 20.
LEXINGTON ARPT-Right traffic when landing to the E. (4-28)
★MAHLON SWEET FLD (EUGENE)-RADIO: Outer mrkr of CAA ILS now monitored. (7-15) FLD: Equip. on fld. Use rnwys only (5-2)
★MEDFORD ARPT-RADIO: AACS oper HF/DF stn temp suspended. (4-24). Army air/gnd stn now transmits on and gds 6280 kcs, in addition to freqs previously published. (7-16) FLD: Use rnwys, taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10 mph. No bndry or flood lgts No maintenance mil acft. (3-12)
ONTARIO-RADIO: 122.1 mc rcvr temp inop. (6-10)
PENDLETON-High explosive demolition being conducted approx 30 mi NW within the following described area: beginning at a pt. 1 mi W of the Union Pacific RR crossing over the Umatilla River 4.5 mi SW of Hermiston, thence 5.25 mi N, thence 6.5 mi. W, thence S to an intersection with the Union Pacific RR at a pt. 6.5 mi WNW of pt. of beginning.
PILOT ROCK ARPT-Usable lgt acft. (5-2)
PORTLAND-RADIO: VORW rng comm for test purposes, with no ident. Not flgt-checked, is unmonitored and should not be used for navigational purposes. (6-29)

[redacted]: PORTLAND ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for
** mobile gnd traffic. (5-24) FLD: Lgtd 260' rdo twr for stn KPDQ erected 8 mi SSW (195° true) at lat. 45-28-12, long. 122-39-43. Lgtd 108' rdo twr for stn KPRA erected 7.5 mi SSW (210° true) at lat 45-29-23, long. 122-41-40. (6-27) Acft landing this fld must have workable 2-way rdo. (5-20).

**ROBERTS FLD (REDMOND)-B-2 ctc, range, obst lgts avail. on prior req or by signal. No bcn. (5-5). See page 1.

**ROME FLIGHT STRIP-No lgts. (5-6). See page 21.

ROSEBURG INT, SITE 41A, SF-SA-Unlgtd 100' pole 1200' S, 300' E of bndry. (12-3)

SANTIAM JUNCTION FLIGHT STRIP (IDANHA)-Land to the E, take-off to W (3-13)

SEASIDE ARPT-Right traffic S takeOffs and landings. (3-17)

SUTHERLIN SKY RANCH ARPT-CLOSED (6-14)

THE DALLES ARPT-NE/SW rnwy unlgtd. (7-10)

TILLAMOOK NAS-Rot. bcn operates from sunset to sunrise and during IFR conditions Ctn during low visibility. High terrain surrounds stn in all quadrants. (2-13)

TROUTDALE ARPT-Parked acft. (3-13)

TULANA ARPT (WORDEN)-Soft when wet. Pilots use at own risk. (5-2)

[redacted]: ALLEGHENY CO. ARPT (PITTSBURGH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-17) FLD: N/S rnwy closed Equip. on fld, mrkd. Closed to non-rdo-equipped acft. Truck and trailer N edge NW/SE rnwy, lgtd Flash. ident. bcn inop. Exten repairs on all rnwys and taxi strips, mrkd. (5-28)

**ALLENTOWN-RADIO: VHF rng decomm July 10th.

ALLENTOWN-BETHLEHEM ARPT-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9, 14, 18, inop. 150' twr Rdo Stn WSAN being erected 7 mi S (180° true)(3-20)

**ALTOONA ARPT-175' rdo twr for stn WRTA 7 mi NNE (17° T) obst lgtd, comm June 1 300 mm red code bcn on top twr flashing 40 times per min comm June 2.

BARRETT ARPT (CANADENSIS)-CLOSED (const)(12-18)

BEAVER FALLS-Patterson Heights Arpt. 1.5 mi S Beaver Falls is not under const, entirely avail. New fld, Beaver Falls Arpt closed-under const and soft. (3-30)

BETHLEHEM-EASTON ARPT (EASTON)-Right traffic when taking off to SW, W and NW.(1-2)

BLAIR CO. ARPT, SITE 24A, CO-PG (MARTINSBURG)-Use rnwys only. (4-8)

BUTLER-ALAMEDA ARPT (BUTLER)-Pilots avoid hospital area adj arpt Use right traffic on W take-off. (3-14)

CARLISLE-RADIO: FM will be decomm concurrently with the comm of the New Kingston FM on the W course of Harrisburg rng.

CARLISLE ARPT-NW/SE strip under const. Use ENE/WSW strip only. (3-11)

CECIL-RADIO: Visual and aural FM signals reported in vcnty of Imperial, Pa (6-15)

CHEMUNG VALLEY ARPT (ATHENS)-Right traffic when taking off or landing to the W and E 500' extension E end E/W strip under const. Soft when wet. (2-21)

CLEARFIELD ARPT-Right traffic when landing or taking off to the E, NE and SE (4-3)

CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. Lgt acft may land in grass area immediately S of E/W rnwy-avoid area in wet weather. Pwr lines E (3-10)

DALEVILLE ARPT-Right traffic used on S to SE take-off.

EMLENTON ARPT-CLOSED (5-28)

GREATER PITTSBURGH ARPT (PITTSBURGH)-First 500' Rnwy 23 and first 600' Rnwy 14 closed. Ltd transportation. (6-2)

GREEN ACRES ARPT (BEAVER MEADOWS)-Strips soft when wet, use sodded area only Cost N/S rnwy. Use NW/SE, E/W, NE/SW strips. (2-21)

HARRISBURG-RADIO: About July 29, the New Kingston VHF fan mrkr will be comm Lctd on the W course of Harrisburg rng at lat 40-13-49, long 77-04-44, 10 6 mi from range Iddnt four dashes. Concurrently with the comm of New Kingston FM, the Carlisle FM will be decomm. (7-14)

HARRISBURG STATE ARPT-RADIO: Twr equipped to transmit on and guard 121 9 mcs for mobile gnd traffic. (6-19) FLD: Use rnwys only. (3-12)

JOHNSTOWN ARPT-Use rnwys only. Army Reserve Training Sundays. (5-10)

**JOHNSVILLE ARPT-Rnwy and taxi strip lgtg comm July 1, 1947. (7-21). See page 68.

KAISER FLD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather Use rnwys only. (3-13)

LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd-stay between red flags. Sinkhole extreme E end E/W strip-2 holes S end N/S strip, mrkd. (3-12)

LANSDALE ARPT-Right traffic when taking off to the E. (5-7)

MIFFLIN CO. ARPT (REEDSVILLE)-NW/SE strip under const. (5-21)

[redacted]: MILLARD ARPT (ANNVILLE)-Sod area soft-use strips only. (5-12)

MT. POCONO ARPT, SITE 21, BJ-LG-Ruts along extreme SE side NE/SW rnwy. Use ctn when taxing this area. (3-24)

MT. UNION AIRPORT-Left traffic 600' pattern. Student training Landing according to wind tee S end field. Wind sock atop hangar. In wet weather, use only rnwys, taxi strips. (3-13)

MUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familiar with fld and surrounding obsts. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Airport for ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. (7-7)

**NICHOLSON-MOUNT VIEW ARPT (NICHOLSON)-Formerly carried Mount View Arpt (Nicholson)(3-4). See page 52.

OLMSTED FLD (MIDDLETOWN)-Ngt landings hazardous. Obsts adj fld. 80' high tension wires across approach zones Rnwys 29,14. Lgtd obsts between Rnwys 29, 32, approx. 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgtd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to B-29 opers. Use Rnwys 11,32 for ngt landings. Closed to P-80 oper except in emerg. (7-2)

PHILADELPHIA NORTHEAST ARPT-Use rnwys only. Trans pilots must register in Admin. Bldg on arvl and dptr. (5-16)

**PHILADELPHIA SOUTHWEST ARPT-RADIO: Twr equipped to transmit on guard 121.9 mcs for mobile gnd traffic. (4-14) FLD: Lgtd 262' rdo twr, 367' above sea level, for stn WPWA erected 8 mi W (268°T) at lat. 39-52-18, long. 75-22-58. (6-14) Closed to non-rdo-equipped acft except in emerg. Const on fld. Use rnwys only. Use ctn in taxiing Unlgtd poles approx 20' high across approach to Rnwy 9 approx 1200' W of approach end of rnwy. Other unlgtd poles 45' high in const area W and NW of arpt-clear of approaches. Equip. immediately vcnty of ILS glide path fac days. (7-4)

★PITTSBURGH-RADIO: D/F stn rcvs on the following frequencies: 3105, 4122.5, 4495 4937.5, 5572.5, 5612.5, 5697.5, 6210 kcs. All data are relayed through Pittsburgh Commun. Stn. Cont. oper but bearings on req only. Pilots calls Pittsburgh Rdo and requests DF assistance. Acft communicator will then advise pilot of mag. bear towards the stn and intervals for making calls. (7-3)

PITTSBURGH-BETTIS ARPT-Right traffic on NE and NW rnwys. (3-14)

PITTSBURGH-BUTLER ARPT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (3-14)

QUAKERTOWN ARPT-Exten training 5 mi radius. (6-9)

READING ARPT-Ridges S and E within 4 mi of fld up to 1200' MSL. Equip. on fld days. (6-20)

STAR VALLEY ARPK (CHARLEROI)-Equipment on fld intermittently Caution in wet weather. (4-1)

SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings (4-8)

**TREXLERTOWN ARPT-New fld. Lat. 40-33-00, long. 75-35-30. (2-27) See page 66.

VALLEY FORGE ARPT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (3-13)

**WASHINGTON-Bcn site no. 13 CO-PG arwy lctd 6.5 mi NW decomm. July 15, 1947

WEST CHESTER ARPT-Strips under const. Right traffic on W and N take-offs. (6-3)

WILKES-BARRE-SCRANTON ARPT-Use rnwys only. (6-4)

WILKES-BARRE-WYOMING VALLEY ARPT-Use rnwys only. Closed ngts. Bndry and obst lgts avail. in emerg or by prior req. 380' rdo twr being erected 7 mi S (170° true). (5-2)

WILLIAMSPORT ARPT-Closed ngts. Rnwy lgts avail. for emerg. landings or by prior req. Const S side fld, mrkd. (5-23)

WILLOW GROVE NAS-Closed from official sunset to 0800. (3-14)

WINGS FLD (AMBLER)-Being seeded. Equipment on fld. (3-26)

RHODE ISLAND: BERKELEY ARPT-Right traffic for landings and take-offs to the S.(6-23)
CHARLESTOWN NAAS-Closed 1600 to 0700. Flgts desiring landings during closed hrs must notify stn 1 hr prior ETA. Rnwy 4-22 avail. in emerg. Rnwy 12-30 closed-resurfacing. Parking space for overngt acft not avail. Positive two-way commun with twr necessary for all landing acft. Use extreme ctn. (7-15).
GREENE ARPT (PROVIDENCE)-RADIO: Twr equipped to transmit on and guard 121.9 mc s for mobile gnd traffic. (6-7). FLD: Soft spot on turf area S of rnwy intersection, mrkd. During daylgt hrs arpt rstd to acft equipped with at least a functioning 200 to 400 kc rcvr. Du: ng hrs of darkness rstd to acft with functioning 2-way rdo. (5-8)
PROVIDENCE-RADIO: Ctn - VHF rng unmonitored. (5-21)
SOUTH CAROLINA: AIKEN MUN. ARPT-Race track shown within arpt symbol on Savannah Chart. This has confused inexperienced students flying from other flds who have attempted to land on the race track - ctn. (6-25).
**CHARLESTON MUN ARPT-Lat 32-53-45, long 80-02-15. (1-16) See page 118.
CLARK FLD (CHARLESTON)-Strips rough. (4-28).
**COLUMBIA MUN ARPT-Formerly carried as Owens Field (Columbia) (12-16) See page 118. Use rnwys only. Req pilots avoid pivoting acft on NW end NW/SE rnwy. Small acft parked on ramp front Admin Bldg, mrkd. (7-18).
CONGAREE FLD (COLUMBIA)-NG svcg not yet avail. (3-25)
FLORENCE ARPT-Closed ngts (bcn, rnwy, obst lgts inop). (6-30)
GEORGETOWN CO. ARPT-Bcn inop. (4-28)
GREENVILLE AAB-RADIO: Army emerg bcn placed in oper on 1742 kcs. Bcn is jeep-mounted and placed at approach end of active rnwy upon req to twr, 24 hrs daily. Ident consists only of series of dots followed by 2 long dashes and then repeats. No voice modulation avail. Pwr is 5 watts with rng limited to 15 mi. (5-23). FLD: Occasional heavy glider traffic. Maintenance 0830 to 1700 only. Acft parked on E/W rnwy. (7-2)
JENNINGS ARPT (ORANGEBURG)-115' unlgtd derrick 3/4 N. (3-21)
LEXINGTON CO. ARPT (COLUMBIA)-RADIO: Twr inop. (7-10) FLD: Control of air traffic discont. Bndry lgts inop. Taxi strip between NE/SW and E/W rnwys unlgtd. (7-18)
MYRTLE BEACH-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
MYRTLE BEACH AAF-Inst training at 1000 and 5000' alts 50 mi radius during IFR. (6-9)
PARRIS ISLAND MCAS-Use in emerg only (caretaker status-no facs).
**SPARTANBURG MUN ARPT-Formerly carried as Memorial Arpt (Spartanburg)(10-30) See page 92. Use rnwys, taxi strips only. (5-1)
WOODWARD FLD (CAMDEN)-Use rnwys, taxi strips only-fld tie-downs in this area No facs for closing flight plans other than fone. Flight plans should be closed with Shaw Fld twr before landing. Closed ngts. (4-28)
SOUTH DAKOTA: ANDERSON ARPT (MITCHELL)-Areas off rnwys soft in wet weather. (3-27)
BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (3-27)
BIEDENFELT FLD (FAULKTON)-Hay stacks on fld. Use strips only. (3-27)
BROOKINGS ARPT-W portion fld soft in wet weather. bal fld usable with ctn. (3-27)
GERONIMO ARPT-Rough and dangerous-unattended. (5-20)
**HURON ARPT-Formerly carried as W.W.Howes Arpt (5-8). See page 12. Closed to acft exceeding 25,500 lbs. Use black-top rnwys only. Stakes on grass areas. (6-4)
PIERRE-RADIO: Rng-flgt-checked July 8, courses correctly aligned.
RAPID CITY AAB-Equip. 300' S of E/W rnwy to 700' W of N/S rnwy; equip. lgtd. E/W rnwy closed. (6-4)
SIOUX FALLS MUN. ARPT-Use rnwys only. Tetrahedron rmvd. In fld rough 100' E of center of NE/SW rnwy, mrkd. (4-8)
TENNESSEE: BERRY FLD (NASHVILLE)-RADIO: CAA ILS operating without voice. FLD: Use rnwys only-rnwy, taxiway shoulders soft. (1-13)
CHATTANOOGA ARPT-LOVELL FLD-Intermittent dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (2-27).
CORNELIA FORT ARPK (NASHVILLE)-Landings and take-offs to S use left traffic, to N right traffic. All approaches must be 180° side from 800' (5-7)
CUMBERLAND FLD (NASHVILLE)-Strips under const.
DYERSBURG-RADIO: Ctn-VHF rng unmonitored, unattended and should not be used for navigational purposes.
JACKS CREEK RADIO: Stn lctn mrkr inop. (7-10).
KINGSTON-RADIO: July 10, FM on W course of Knoxville rng shut down until about Aug 10, for relctn to lat 35-47-30, long 84-36-25.(7-3)
LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)
LENOIR, BCN SITE 13, NA-WA-About Aug 1, will be discont and relctd to approx center line of airway. Chattanooga Chart. (7-17).
**LEWISBURG ARPT-Lgtd 180' rdo twr for stn WJJM erected 0.5 mi NE at lat 35-26-58, long 86-46-55. (6-28)
McGHEE TySON ARPT (KNOXVILLE)-S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. (3-13).
McKELLAR ARPT (JACKSON)-Use rnwys only - parked acft.
MEMPHIS-Scheduled night training flights will be conducted in vicinity by trainer type acft Thursdays 1930C to 2230C until further notice. THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.
★MEMPHIS-RADIO: Auto. rng monitor. sys comm July 14.
MEMPHIS ARPT-RADIO: Traffic will be controlled from twr on N side of fld when wind velocity is 45 mph or less, during periods when wind velocity at Memphis is in excess of 45 mph twr and approach control will be inop on N side of fld. At such times, traffic will be controlled by lgt gun signal from old twr atop term bldg on S side of fld. Middle and outer compass letrs of CAA ILS temp inop. (6-19) FLD: Fld badly eroded. Use rnwys only-shoulders soft. Equip. on fld. Avail. private acft equipped with fully operating 2-way rdo. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft not permitted. Ltd facs. No 91 oct. (7-2)
MEMPHIS FLYING SERVICE-Right traffic N take-offs and landings; left traffic S take-offs and landings. NE/SW, E/W rnwys closed. (2-24)
MEMPHIS NAS-Prior notification rqrd for landings between off. sunset and 0730 except in emerg. Flight plans should be addressed to "MEMPHIS NAVY". Exten flight opers in 15 mi radius. Traffic left at 1000'. Red rot. bcn indicates IFR. Unsafe for acft over 27,000 lbs. Equip. on all rnwys. (7-17)
OUTLAW FLD (CLARKSVILLE)-Avoid bare spots on NE/SW, NW/SE strips during rains and after thaws. Use grass spots only. (1-13)
SMyRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (3-7) ARPT: Temp inactive no facs. (6-8)
STEWART FLD (UNION CITY)-Use rnwys only-parked acft.
TRI-CITY ARPT (BRISTOL)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only-rough. Soft when wet. (4-8)
TEXAS: ABILENE-RADIO: Stn guards 3117.5 kcs 2300 to 0700.
ABILENE AIR TERMINAL-E/W rnwy avail. only on permission of control twr. (3-13)
★ALICE-RADIO: July 14, N and S courses realigned to 153°, 333°. Courses flgt-checked, and correctly aligned.
ALICE ARPT-Rnwy lgts not visible on final approach. Lgts obscured from air by grass and vegetation. Bcn inop. (6-16)
ANDERSON FLD (EL PASO)-RADIO: Aug 25, CAA ILS lclzr and glide path will be shut down until approx Aug 24, for adjustments and installation work. (7-18) ILS flgt-checked
** July 14, oper normal. FLD: Formerly carried as El Paso Mun. Arpt. (1-26). See page 104.
ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use rnwys only. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (3-17).
ARLINGTON (MIDWAY) ARPT-NE/SW rnwy unsafe-NW/SE rnwy usable with ctn. Rnwy lgts inop. (3-17).
ASHERTON ARPT-High brush-use strips with ctn. (3-17)
ATLANTA MUN ARPT-Cattle on fld. (11-15)
AUSTIN-RADIO: Stn gds 3117.5 kcs 2300 to 0700.
AVENGER FLD (SWEETWATER)-Use rnwys only. (3-21)
★BERGSTROM FLD (AUSTIN)-RADIO: Army ILS (SCS-51) fac lclzr has been modified for a 5° course width. Recommended for flgt crew training only until further check. (7-17)
FLD: NE/SW, NW/SE rnwys closed. (4-23)
BIGGS FLD (EL PASO)-See notice under White Sands Proving Ground, N.M. (12-26)
BIG SPRING-RADIO: Stn gds 3117.5 kcs 2300 to 0700.(2-27) Auto. rng monitor sys installed but not comm.
★BROWNSVILLE-RADIO: July 10, N course realigned to 153°. Following realignment "A" and "N" quadrants reversed. Courses gnd-checked only. Rng and stn mrkr flgt-checked July 15, courses correctly aligned. (7-15). Commun stn guards 3117.5 kcs

[illegible]: during hrs 2400 to 0800. (2-23).
[illegible]CE FLD (BALLINGER)-Holes in fld-use rnwys only. (3-17)
CAMP HOOD LANDING FLD (KILLEEN)-Ngt opers on previous arrangement. Right traffic to N, left to S overhead approach. Equip. near NW/SE rnwy. (1-8)
CHILDRESS-RADIO: Ctn - VHF rng unmonitored. (4-10)
[illegible]BOLO CREEK-RADIO: July 18, approach FM comm on N course of Alamo rng at lat 29-42-53, long 98-27-05, bear, and dist, 354°, 9.5 mi. Pattern elliptical, ident one dash Flgt-checked, oper normal.
CLEBURNE NORTHWEST ARPT-250' twr rdo stn KCLE being erected 1.5 mi NNE (28°) true. (2-3)
CLEVELAND-RADIO: Ctn - VHF rng unmonitored. (4-23)
CLIFF MAUS FLD (CORPUS CHRISTI)-Use rnwys only. Farming opers in progress 200' S of N/S rnwy and 200' S of E/W rnwy. (6-12).
COMMERCIAL ARPT (EDINBURG)-Two 250' twrs being erected 2 mi W (273°) true. Rdo Stn KCBD erecting three 315' twrs 2.5 mi SE (123°) true. (3-24)
CORPUS CHRISTI-RADIO: Commun stn guards 3117.5 kcs between hrs 2300 to 0700. (2-2[illegible])
CUDDIHY FLD (CORPUS CHRISTI)-RADIO: Mun. twr comm. Oper. 1230 to 2130, daily except Weds. Lgt gun oper only. (5-23). FLD: Traffic left 600'. Bndry, obst, rnwy lgts and tetrahedron avail. sunset to 2300 only. Use rnwys only-farming opers. (6-16).
CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings to be made within orange cone bndrys. (3-12)
**CURTIS FLD (BRADY)-Rot bcn, bndry and obstruction lgts avail. (10-31) See pages 107, 121, 125.
DALLAS-Extensive night flying by small acft up to 1000 ft. in vicinity of Hudson Arpt. (approx 8 mi NE Love Arpt). THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.
DENTON ARPT-Use N/S rnwy only. (2-21)
[illegible]MMIT COUNTY APRT (CARRIZO SPRINGS)-Use in emerg only. Const. (2-24)
DRAUGHON-MILLER ARPT (TEMPLE)-Use rnwys, taxi strips only. (2-4)
EAST SIDE ARPT (LONGVIEW)-320' rdo twr being erected 3 mi SSW (196°) true. (2-25)
ECTOR CO. ARPT (ODESSA)-CLOSED. (7-20)
**EDGERTON FLD (CUERO)-ABANDONED. (4-8) See page 124.
EGYPT, BCN SITE 13, ZN-HU-Temp inop. (5-12)
ELDORADO ARPT-E/W strip soft in wet weather. (3-17)
ELLINGTON FLD (HOUSTON)-Closed to VHB acft except in emerg. Exten Reserve training daily until 1900 Thes and Weds until 2200 under CFR. (6-3)
ENGLISH FLD (AMARILLO)-RADIO: Sept 2, CAA ILS lclzr and glide path will be shut down until approx Sept 6, for adjustments and installation work. (7-18) CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-18) FLD: Use rnwys, taxi strips only. (3-1) 175' tank being erected 6 mi WSW (255°) true. 250' derrick being used during const, lgtd. (4-5)
FAIRCHILDS, BCN SITE 16, ZN-HU-Temp inop (5-12)
FLORESVILLE, BCN SITE 2, ZN-HU-Temp inop. (5-12)
★GONEY-RADIO: July 17, FM on E course of Dallas rng decomm.
FORT WORTH AAF-40' trees immediate end Rnwy 35L. (6-12)
FORT WORTH SEAPLANE BASE-Proximity to AAF calls for the use of discretion in circling the Seaplane Base. Traffic patterns are all away from the AAF. Ramps and beaching dollies under const. (1-8)
**GAINESVILLE ARPT-CLOSED (7-7) See page 108.
* GALVESTON ARPT-Bcn, range, obst and rnwy ctc lgts oper dusk to dawn (12-11) See page 126.
GARWOOD, BCN SITE 11, ZN-HU-Temp inop. (5-12)
GISKIN FLD (SHERMAN)-Cattle on rnwys-emerg landings only. (3-24)
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (3-17).
**GOODFELLOW FLD (SAN ANGELO)-RADIO: Army air/gnd stn in oper on VHF Channels C, A, and D. (7-15)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT. (4-8)
★GREGG CO. ARPT (LONGVIEW)-RADIO: Cl twr comm July 14, transmits on 272 kcs.,

TEXAS: 118.5, 121.5 mcs. See page 108 FLD: NE/SW rnwy unlgtd. (7-15)
GUTHRIE-RADIO: Ctn - VHF rng unmonitored. (4-10)
HALLETTSVILLE, BCN SITE 8, ZN-HU-Temp inop. (5-12)
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. Const on rnwys. (4-1)
HICKS FLD (FORT WORTH)-Use strips only - parked acft. (1-2)
HIGHLAND PARK ARPT (DALLAS)-E/W rnwy suitable for lgt plane landing days only. Use rnwys during rainy weather. (1-28)
HOUSTON ARPT-RADIO: Outer mrkr of CAA ILS shut down for installation of compass lctrs. About July 30, ILS lclzr and glide path will be shut down until approx Aug 3 for installation work and adjustments. (7-17) FLD: Use rnwys, taxi strips-ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip. on fld. (4-22)
INTERNATIONAL ARPT (BROWNSVILLE)-RADIO: Outer mrkr of CAA ILS flgt-checked July 15, oper normal. Aug 5, CAA ILS lclzr and glide path will be shut down until approx Aug 9 for adjustment and installation work. (7-17) FLD: Rnwy 4-22 closed. Use rnwys, taxi strips only. Civil acft may be cleared thru this arpt for foreign flights. Army acft use Kelly Fld. Obst lgts atop 90' antenna poles 3 mi N inop. 180' rdo twr being erected 3 mi SSE (158°) true. Six 40' antenna poles 1/4 mi S and 500 yds E of W side fld, lgtd. (6-5)
JEFFERSON CO. ARPT (BEAUMONT)-Rnwy ctc lgts operated on req only. Reqs should be made thru arpt manager or Beaumont Rdo. (6-10)
JOAQUIN-RADIO: Ctn - VHF rng unmonitored. (4-10)
JUNCTION-RADIO: Ctn-VAR rng unmonitored.
KELLY FLD (SAN ANTONIO)-RADIO: AACS oper HF/DF stn temp suspended. (4-24) FLD: Acft on fld. Use rnwys only. 190' lgtd twr const W of Rnwy 14-32. 150' water twr under const 1-1/2 mi SE, not lgtd. (4-16)
KENDLETON, BCN SITE 14, ZN-HU-Temp inop. (5-12)
LAREDO-RADIO: Stn lctn mrkr oper erratic. (6-18)
LAREDO MUN. ARPT-Flight opers from old terminal S end fld discont. Fence const across taxiway leading to bldg. Fence lctd approx 600' E of W end Rnwy 35R and in direct line with regular fence at S end fld. This section no longer included in arpt area. All opers being conducted from new terminal W side fld. Tetrahedron free swinging and will be lgtd upon rdo req. (6-11).
LONE OAK, BEACON SITE 5, DL-LV-Temp discont. (9-10)
LOVE FLD (DALLAS)-RADIO: Aug 14, CAA ILS lclzr and glide path will be shut down until approx Aug 18 for adjustments and installation work. (7-18)
MAJORS FLD (GREENVILLE)-All lgts temp inop. (1-3)
**MARATHON ARPT-Formerly carried as Combs Arpt (Marathon) (7-8) See page 120.
MARSHALL ARPT-304' twr being erected 3 mi NW (317°) true, lgtd. (2-11)
MEACHAM FLD (FT. WORTH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-7) Aug 20, CAA ILS glide path and lclzr will be shut down until approx Aug 24 for adjustments and installation work. (7-18) FLD: In wet weather use rnwys, taxi strips only. 260' single vertical twr being const 4 mi ESE (115° true) temp lgtd. Grain elevator 967' MSL, 9100' N of N end N/S rnwy on extended centerline directly on lclzr course. 1000' extension being const S end N/S rnwy. Equip. in const area. Discontinuance of approach lgt lane on N end N/S rnwy postponed. 265' twr rdo stn KCNC being erected 5 mi SE (135° true). Taxi strip leading to Rnwy 17 under const. (6-2)
MONTGOMERY CO. ARPK (CONROE)-Avail. only acft equipped with landing lgts. (3-17)
NIXON, BCN STTE 4, ZN-HU-Temp inop. (5-12)
ORANGE ARPT-Use NW/SE, E/W strips only. Fld flooded after rains. (3-17)
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (3-17)

TEXAS: ★PHANTOM HILL-RADIO: July 21, approach FM comm on N course of Abilene rng at lat 32-36-36, long. 99-39-00 about 9.4 mi from rng stn. Bone-shaped, ident one dash. These data rcvd too late for charts.

••PHARR ARPT-New fld. Lat 26-10-00, long. 98-11-00. (4-2). See page 122.

PILGRIM, BCN SITE 5, ZN-HU-Temp inop. (5-12)

POUNDS FLD (TYLER)-Use rnwys only, bal fld rough and unsafe. (2-21)

PYOTE AAF-Rnwys 18-36,7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)

RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld. Rnwy 1-19 unsafe for acft over 10,000 lbs. (6-5)

RAYMONDVILLE INT, SITE 5, JI-FV-Rough. (3-3)

ROBERT MUELLER ARPT (AUSTIN)-RADIO: About Aug 15, CAA ILS will be comm serving NW/SE rnwy with approach from SE. Voice equipped lclzr will oper on 109.5 mcs, ident "AUS", transmitter will be lctd 900' NW of NW end of NW/SE rnwy on rnwy centerline extended. Glide path will oper on 332.6 mcs, transmitter lctn 400' NE of rnwy centerline and 750' NW of the SE end of the NW/SE rnwy. Middle mrkr will be lctd 3636' SE of the SE end of the NW/SE rnwy and 50' SW of the rnwy centerline extended, keying alt dots and dashes; outer mrkr will be lctd 6.12 mi SE of the SE end of the NW/SE rnwy on the rnwy centerline extended, keying two dashes per sec. FLD: Acft landing or taking-off on Rnwy 34R use right traffic pattern. Acft landing or taking-off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. E/W taxi strip NW section fld closed. (5-2)

RUSK CO. ARPT (HENDERSON)-Use rnwys and taxi strips only. (1-30)

SALTILLO, BCN SITE 9, DL-LV-Temp discont. (9-18)

SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio A.T.C. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or San Antonio Range Stn and adhere to instructions issued by San Antonio A.T.C. Acft outbound from Randolph Fld adhere to instructions issued through Randolph Tower.

★SAN ANTONIO-RADIO: July 17, NE and SE courses of Kelly rng realigned to 195°, 318° (7-1). Rng figt-checked, courses correctly aligned.

SAN ANTONIO ARPT-ALAMO FLD-RADIO: Aug 11, CAA ILS lclzr and glide path will be shut down until approx Aug 15 for adjustments and installation work. (7-17) FLD: Acft arriving after dark rqrd to have two-way rdo. (2-27)

SAN BENITO INT, SITE 2, JI-FV-Unlgtd hangar 200' NE bcn twr. (1-22)

SAN MARCOS AAF-Ctn-helicopter and liaision pilot training. (10-15)

SHEPPARD/KELL MUN. ARPT (WICHITA FALLS)-Unlgtd N/S rnwy on W side fld rstd to acft of 450 HP or less. Left traffic on all rnwys, entering at 45° down-wind leg at 800'. (5-28)

★SIERRA BLANCA-RADIO: VHF rng figt-checked and comm on cont oper on an unmonitored basis July 13, no control facs and without means of remote control. Lctn: lat 31-08-00, long. 105-13-24. Freq. 108.7 mcs, ident. "IB". Visual courses: 114°, 294°; aural courses: 24°, 204°. Class: VARW. These data rcvd too late for inclusion on charts and for ⓞ symbol.

SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible from twr due to parked acft. Stn sto acft rcvd only between 0800 and 1630 Mon thru Fri. Ltd transportation, no housing, messing facs. Closed to all acft except on off. bus. or emerg. (6-23)

★SPRING BRANCH-RADIO: July 18, FM on N course of Alamo rng decomm.

••STEWART FLD (TYLER)-Lgtd 240' rdo twr for stn KRST erected 2.3 mi SW (230° true) at lat 32-19-10, long. 95-17-15. (6-6)

STINSON FLD (SAN ANTONIO)-Right traffic Rnwys 9,14,17,22. Left traffic on all other rnwys. Traffic 600' above terrain 1167' MSL. Fld and lighting facs in oper until 2230. Rnwy lgts on demand after 2230. Acft entering Stinson Fld control zone after dark shall be equipped with 2-way rdo. (5-11)

T.C.U. ARPT (FORT WORTH)-Use E/W strip in wet weather. (2-21)

••TEMPLE ARPT-Lgtd 400' rdo twr for stn KTEM erected 2.0 mi E (90° true) at lat 31-07-20 long. 97-20-00. (7-8)

TERRELL, BCN SITE 6, FY-AG-Temp discont. (9-18)

TEXARKANA-Demolition opers are being conducted approx 15 mi WSW Texarkana Arpt. 0800-1615 daily except Sat and Sun. All acft ctnd to fly above 1500' over this area.

TEXAS: TEXARKANA ARPT-400' unlgtd twr Rdo Stn KCMC being erected 4.5 mi WSW (250° true). (4-22)

VICTORY FLD (VERNON)-Use rnwys only-parked acft. Avail. days only. (12-30)

VIENNA, BCN SITE 10, ZN-HU-Temp inop. (5-12)

WHITE FLD (BRADY)-CLOSED. (8-7)

WHITE ROCK ARPT (DALLAS)-520' twr Rdo Stn KIXL-FM being erected 2.3 mi SW (232° true). (6-9)

★WINK-RADIO: Auto. rng monitor. sys comm July 14. (7-15). Rng figt-checked, courses correctly aligned. (7-16)

WINK ARPT-Rnwy lgts inop. (4-26)

WOLFE CITY ARPT-Use in emerg only. (2-25)

YATES-RADIO: About Aug 4, MHW fac will be comm on N course of Alamo rng, 3.36 mi N of rng stn at lat 29-37-42, long. 98-27-48. Freq. 245 kcs, ident. "O". (7-17)

UTAH: DELTA ARPT-Trans acft use rnwys, taxi strips only. (4-8)

ENTERPRISE INT, SITE 39, LA-SL-CLOSED (rough, soft). (5-29)

HANKSVILLE INT, SITE 54, LA-DV-35' unlgtd pole line 600' S of E portion E/W rnwy. (5-10)

HURRICANE ARPT-Soft when wet. (4-3)

MILFORD-RADIO: July 2., CAA Commun Stn will be moved to new quarters at Milford Arpt, Stn class will be changed to: BMRLZ-DT. Anticipate approx 24 hrs shutdown of voice communs and rdo rcvg facs during move. (7-11)

MILFORD ARPT, SITE 45, LA-SF-Unlgtd bldgs SE corner fld S of and adj to bcn twr. Bndry lgts temp discont. Course lgts changed to clear. Dirt areas soft. Three 25' poles erected N side of new const on E side fld. (7-8)

PROVO ARPT-NNE/SSW, NV/SE rnwys avail. all acft days. ENE/WSW rnwy closed. Equip. on ends of rnwys intermittently. (5-12)

ROBERT H. HINCKLEY FLD (OGDEN)-NE/SW rnwy lgts inop. N/S rnwy lgts oper cont during hrs of darkness when twr inop. Equip. E side fld days. (5-21)

SALT LAKE ARPT NO. 2-Use rnwys, taxiways only-shoulders soft. Closed to agt opers. (4-20)

SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail. (5-3)

SALT LAKE CITY ARPT NO. 1-Use rnwys, taxi strips only during wet weather account shoulders soft. Right traffic when winds are from S, SE, E. Prevailing wind rnwy lgts operating ngts. (6-18)

THOMPSON, BCN SITE 60, LA-DV-About July 25, new bcn site will be comm 8 mi SW of Thompson, Utah at lat 38-53-45, long. 109-48-30. Elev 4774'. Site will be clear 6 RPM bcn and red course lgts flash. char "O". (7-19)

WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E, in the Low Flight Strip area, from 0800 to 1800. See chart 23.

WENDOVER FLD-Obst lgts on mtns N and W of fld inop. (4-7)

VERMONT: BARRE MONTPELIER ARPT-Use rnwys only. (12-31)

BURLINGTON ARPT-Use rnwys only. Parked acft N side E/W taxi strip. (4-3)

LEMMINGTON-COLEBROOK ARPT-Avail. emerg landings only. (5-13)

VIRGINIA: ALBERTA ARPT-ENE/WSW, NNW/SSE stripe rough. Ends and sides mrkd by 12 yellow mrkrs. (5-21)

ALEXANDRIA ARPT-NW/SE rnwy lgtd until 2100 every ngt for 1000'. Approx 1500' of AGA reflectors extending beyond the lgts (5-28)

ALTAVISTA ARPT-200' NE end of fld unusable in wet weather. (2-4)

BLACKSTONE-RADIO: At intermittent periods, reception on high freqs unreliable (hvy lcl interference). (7-2)

BLACKSTONE ARPT-Tetrahedron inop, unlgtd. NE/SW rnwy avail. full length and 250' wide from NW side of NE/SW rnwy. 5 and 7" rises of concrete 24' wide at seams on SE side NE/SW rnwy, mrkd. 5" rise lctd 450' NE and 7" rise lctd 75' SW of intersection NE/SW and NW/SE rnwys. (6-17)

BYRD FLD (RICHMOND)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (7-16). June 9, middle and outer mrkrs of CAA ILS temp inop pending relctn, concurrently with this relctn compass lctrs will be installed. Lclzr will remain in oper. (6-9) FLD: Ltd Army svcg facs. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft. Oper of acft during hrs of darkness rstd to acft equipped with functioning

VIRGINIA: 2-way standard rdo. During daylgt hrs acft shall be equipped with at least functioning rdo rcvr unless exceptions granted by CAA arpt traffic control twr or in emerg (7-16)

CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (1-2)

CHINCOTEAGUE NAAS-Closed 1700 to 0800 except on req with 2 hrs notice. Bcn operates all ngt except during local ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. IFR flight plans accepted only 0800 to 1630 Mon thru Fri except on holidays and on 2 hrs notice. Fld lighting sys under repair-unreliable. Use rnwys, taxi strips only-soft shoulders and trenches along sides of rnwys and taxi strips. Pilotless rdo-controlled acft operating days Mon thru Fri. Other acft in vcnty proceed with ctn. Rnwy 10-28 closed Equip. on fld (7-11)

**CREEDS ARPT-Inactive. (7-2). See page 96.

DAHLGREN NAF PROVING GROUNDS-CLOSED TO ALL (INCLUDING TRANS MIL) ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Except in emerg or on req (with two hrs notice) fld open only 0730 to 1615 Mon thru Fri inclusive. Off. flights must be cleared thru one of the following: NAS Anacostia, D.C; NAS Patuxent River, Md.; NAS Norfolk, Va. NAS Quonset Point, R.I.; Cape May CGAS, N.J.; Inyokern NAF, Calif.; NAF Torpedo Stn, Newport, R.I ; Naval Acft Factory, Philadelphia, Pa.; Cherry Point MCAS, N.C.; Quantico MCAS, Va.; AAF Proving Gnds, Eglin Fld, Valparlso, Fla.; Langley Fld, Va.; Wright Fld, Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md.; Lakehurst NAS, N.J. (3-10)

DANVILLE ARPT-Rnwy lgts will be operated by INSAC personnel 0800 to 2400. From 2400 to 0800 lgts will be unattended and rnwy nearest in line with wind direction at 2400 will be lgtd. Grassy plots soft when wet, rough when dry. Use only hard surfaced rnwys and taxi strips. Tetrahedron free swinging. (5-26)

EMPORIA ARPT-Fixed tee, wind sock E side fld indicating rnwy in use. (12-28)

FENTRESS NAAS-Use in emerg only (caretaker status-no facs). (2-19)

HARCUM ARPT-Use NE/SW strip only between yellow cone mrkrs. (3-31)

HERMITAGE ARPT (RICHMOND)-Right traffic pattern on take-offs and landings in S and SW directions. (7-16). These data rcvd too late for (1) symbol

HOPEWELL ARPT-NE/SW and NW/SE strips under const. (3-21)

**HUMMEL FLD (HARTFIELD)-Formerly carried under Greys Point. (7-17). See page 66.

★LANGLEY FLD-RADIO: Army twr no longer bdcasts weather. (7-3) AACS, oper HF/DF stn temp suspended. (4-24) FLD: Rnwy 2-20 closed. Rnwy 12-30 closed to all 4-engine acft. (1-14)

LOVING FLD, SITE 35A, NA-WA (PULASKI)-Observe right traffic for landings from SW on NE/SW rnwy. (4-4)

LYNCHBURG-RADIO: At intermittent periods especially during dry weather rcvg watches on high freqs impaired by pwr noises. (6-17)

MT. VERNON-See Special Notice under District of Columbia.

NORFOLK-RADIO: VHF rng shut down for indefinite period. (5-8)

NORFOLK ARPT-Const SW end of fld. Tetrahedron unlgtd and uncontrollable. Expect repairs to be completed late in Aug. (7-17)

NORFOLK NAS-EAST FLD-RADIO: Navy GCA fac inop. (7-17) FLD: Pilots on S-bound coastal flights inbound IFR between 0700-2400 to NAS Norfolk shall establish rdo ctc with Navy Chincoteague Rdo for further clearance instructions from ATC Norfolk. Pilots on N-bound coastal flights inbound IFR between 0700-1900 to NAS Norfolk shall establish ctc with Navy Weeksville Rdo for further clearance instructions from ATC Norfolk. Pilots on either S-bound or N-bound coastal flights inbound IFR to NAS Norfolk at other than the above stated hrs ctc Norfolk Rdo or Navy Norfolk Twr earliest possible for further clearance instructions. (3-18)

OCEANA NAAS-Facs avail. 0730 to 1600 Mon thru Fri. Ltd facs avail. 1600 to sunset Mon thru Fri and 0730 to sunset Sat and Sun. for essential military flgts only. After sunset emerg landings only. Fld lighting sys under const-unreliable. Soft shoulders and trenches along sides of rnwys and taxi strips. Equip. on fld. (7-8)

ORANGE CO. ARPT-Strips muddy in wet weather. (4-4)

PENINSULA ARPT (HAMPTON)-Right traffic whenever wind conditions require take-offs and landings toward SW (Newport News). Left hand pattern when wind conditions require take-offs and landings to NE (Hampton). Traffic direction and pattern indicated by T on roof of hangar. (5-19)

PRESTON GLENN ARPT (LYNCHBURG)-RADIO: At intermittent periods especially during VIRGINIA: dry weather twr rcvg watches on high freqs impaired by pwr noises. (6-17). Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic (5-8) FLD: Use only rnwys during and after wet weather. Two poles 4200' E of E/W rnwy. (2-7)

**PUNGO NAAS-Formerly Pungo Arpt. Repossessed by Navy. (7-2). See page 140.

QUANTICO MCAS-Closed sunset to sunrise except in emerg. (5-6)

RICHMOND-Elko Aux Fld 5 mi E of Byrd Fld is similar in design and layout to Byrd Fld, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse the two flds.

SHENANDOAH ARPT-N/S strip under const. Grading equip. on fld. Soft in wet weather. NE/SW strip mrkd by cone mrkrs. (3-15)

UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (3-17)

WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (3-7)

WOODRUM FLD (ROANOKE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (3-10). FLD: Ext local traffic days. Acft landing without establishing rdo commun with twr must conform to local traffic patterns. Observe twr at all times for lgt gun signals especially on base leg and final approach. Clear rnwy immediately after landing. Mil acft utilizing VHF freq should listen for control twr instructions or observe lgt signals from twr in response to their transmissions. All acft departing should determine proper rnwy and taxi route from twr or operations prior to taxiing. (2-28)

WASHINGTON: SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3; Spokane Sectional, and Washington 5 Danger Area Charts).

ARLINGTON AERONAUTICAL SCHOOL ARPT-Unmrkd cable span being erected 11 mi E (78° true). Cable will run N/S between lat 48-13, long. 121-55, on Wheeler Mtn and lat 48-11-30, long. 121-55-00 on Blue Mtn. Cable anchorage levels at approx 2800' on both Mtns and will be approx 1000' above valley floor. Vertical-down-haul will be attached at mid-span terminating at the ground in Jim Creek Valley. Bcn inop. (4-26)

BARRY'S SKYHARBOR ARPT (TACOMA) Right traffic, W take-offs and landings. (3-17)

BELLEVUE AIRFLD (SEATTLE)-Right traffic when landing to S. (3-19)

BELLINGHAM ARPT-Do not taxi off surfaced areas-sodded portions soft. Day traffic controlled by white T center of arpt. N/S rnwy closed. (7-17)

**BOEING FLD (SEATTLE)-Code bcn flashes "SA". (7-10). Daylgt CFR opers-lgt acft use mrkd dirt landing strip E side fld adj to main rnwy. Traffic patterns made to E at 1000'. Right traffic when taking off to NE. Flash. amber lgt on twr indicates right pattern in relation to dirt landing strip. All turns, taxiing off or back on dirt area made toward twr. Acft using dirt strip avoid flying over main rnwy or approaches. Watch for air and ground traffic. Lgt gun signals for take-offs and final approaches only. Heavy acft use rnwys, taxi strips. Equip. on fld. All unscheduled acft landing at Boeing Fld must register with County Fld Office, except those who have made other arrangements with fld management. Equip. S of Admin Bldg loading ramp, avoid flagged area. Holes E side main taxiway, N and S of Admin Bldg. (4-4)

BUENA ARPT-Right traffic E take-offs and landings. (3-17)

CLE ELUM ARPT-Right traffic E takeoffs and landings. (3-17)

COUNTY-CITY ARPT (PORT TOWNSEND)-Right traffic E takeoffs and landings. (3-17)

COUPEVILLE OLF-Closed except in emerg.

EPHRATA ARPT-Wild horses on fld. (8-3)

FELTS FLD (SPOKANE)-Lgt non-rdo equipped acft use mrkd graded area S of main rnwy. Fancher Bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. N side rnwy mrkd. Equip. on fld. (4-22)

HARRINGTON INT, SITE 19, SA-HL-Equip. on fld days. (7-9)

KELSO ARPT, SITE 61A, SF-SA-Closed ngts. Days all traffic keep to W of red flags mrkg bndrys. Equip. on fld. (7-17)

KENMORE ARPT (BOTHELL)-Avail. emerg use only-cattle. (9-10)

KITSAP CO. ARPT (BREMERTON)-Lgts inop. (5-12)

**LAKE UNION SEAPLANE BASE (SEATTLE)-Arpt of Entry. (7-2)

L & D SEAPLANE ANCHORAGE (PROSSER)-Ramp washed away. Possible to moor plane to existing boat float. Circle arpt lctd 1 mi N for gas truck or fone Prosser 91114. (6-20)

LONGVIEW SKYHARBOR SEAPLANE ANCHORAGE-Right traffic S takeoffs and landings. (3-17)

[redacted]: MARTIN FLD (COLLEGE PLACE)-Const, equip. on strips. Strip 2500 x 150' S side of fld flagged for landing. Taxi strip adj. Center of fld rough and unsafe for landing. (4-29)
McCHORD FLD (TACOMA)-RADIO: AACS operated HF/DF stn temp suspended until further notice. (4-24) Army ILS (CAA type) temp inop. Middle mrkr to be relctd and present equip. will be modified. (3-13) FLD: Use rnwys, taxiways only Equip. on fld. (12-11)
MT. CATHERINE, BCN SITE 4, SA-HL-Bcn inop. (7-17)
MT. VERNON OLF-Closed except in emerg. Training use rqrs 24 hrs advance notice thru Whidbey Island NAS. Bcn inop. (3-20)
NELSON RIDGE, SITE 6, SA-HL-About Aug 1, bcn will be dismantled and relctd at lat 47-11-30, long. 121-01-42, 1½ mi SE of present lctn. After relctn bcn will be recomm with no change in char (5-13)
OLYMPIA ARPT-Rot. bcn flash. green and yellow used to warn local and trans acft of approach of scheduled transport acft. Bcn turned on five minutes before arvl and turned off upon arvl and landing of acft. (12-7)
PAINE FLD (EVERETT)-Lgts inop. (5-29)
PASCO-See Special Notice (first letm under state heading).
PIERSON ARPK (VANCOUVER)-Const. Use North E/W strip only. (3-17)
PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-Avail lgt acft only. (11-26)
PUYALLUP ARPT-Right traffic N takeoffs and landings. (3-17)
S & S AIRSTRIP (PUYALLUP)-Right traffic S takeoffs and landings. (3-17)
SAVAGE FLD (CHENEY)-Moderate soil erosion intermittently. (9-14)
SEATTLE NAS-Single-engine acft approach from Kirkland 1500' descending to 1000' over the stn. Seaplanes approach over Lake Washington from N or S under 200'; landing area lgtd on req between sunset and sunrise. Rnwy 14-32 lgtd 30 minutes prior to arvls and dptrs between sunset and sunrise and on req. Tetrahedron lgtd sunset to sunrise. (5-27)
**SEATTLE-TACOMA ARPT-RADIO: Outer mrkr of CAA ILS unmonitored. (6-5) FLD: 36" green and white rot. bcn, range, obst, rnwy ctc lgts and neon approach lgts oper sunset to sunrise. (6-6). See page 142. Equip. on fld days. (5-22)
SPRAGUE ARPT-Entire fld rocky-dangerous. Emerg use only. (5-20)
SUNNYSIDE ARPT-Right traffic, S takeoffs and landings. (3-17)
TONASKET ARPT-Right traffic S or SW takeoffs and landings. (3-17)
WALLA WALLA AAF-RADIO: DF stn will be relctd at Spokane AAF soon. (6-16) FLD: No opers office. Equip. on fld days Mon thru Fri. (3-24)
WESTPORT ARPT-Driftwood on fld after extremely high tides. (1-2)
WHIDBEY ISLAND NAS-AULT FLD-Bcn operates during IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. (4-3)
WILBUR ARPT-Taxiway const W side of strip. (4-25)
[redacted]: **BOONE FLD (RONCEVERTE)-Formerly carried as Ronceverte Arpt. (1-31). See page 64.
ELKINS ARPT-Ctc Elkins Rdo or circle for before landing. (3-14)
HUNTINGTON ARPT-305' twr Rdo Stn WHTN being erected 2.1 mi SSE. (7-4)
LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy rain. (4-10)
SCOTT FLD (BECKLEY)-Use right traffic on N course. (4-7)
WHEELING-RADIO: Ctn - VHF rng unmonitored. (4-9)
[redacted]: CAMP McCOY ARPT-Emerg use only-not maintained. (6-12)
CHAPLIN'S ARPK [PLYMOUTH)-Only E/W strip avail. Will continue for approx four months. (7-7)
CLINTONVILLE ARPT-Equip. on fld extending NW/SE rnwy. Use ctn-observe grade stakes NW corner fld. (7-7)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts. (7-7)
EAU CLAIRE MUN. ARPT-Use rnwys only. (7-5)
GEN. MITCHELL FLD (MILWAUKEE)-Equip. on fld days. Right turn procedure rstd to lcly based acft. All acft land according to tetrahedron unless otherwise instructed by twr. All pilots must register in Admin Bldg upon arvl and dptr. Position lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. Ditch extending 150' S of intersection NE/SW, NW/SE rnwys paralleling SE portion NW/SE rnwy for ½ mi. Obst lgt atop 95' chimney SW corner fld inop. Rdo rcvr req for all lcly based acft. NW/SE rnwy and S taxi strip closed until approx Oct 12. (7-12)

[redacted]: GINNOW ARPT (OMRO)-Use strips only. (7-5)
LA CROSSE ARPT-Use rnwys only (5-23)
**LAKE GENEVA ARPT-New fld. Lat 42-39-00, long. 88-31-30. (6-21). See page 30.
MERRILL ARPT-Use rnwys only-soft after heavy rains. (6-3)
MOREY ARPT (MADISON)-Use strips only. (5-19)
**OCONTO FALLS ARPT-ABANDONED. (7-14). See pages 16 and 30
RICHLAND FLYING CLUB INC. (SEXTONVILLE)-Equip. on fld. (5-5)
SHAWANO ARPT-Soft when wet-use rnwys only. (6-3)
SKY HAVEN ARPT (MILWAUKEE)-Use ctn on S 1/3 portion N/S strip. Stay on strip. (7-1)
STEVENS POINT ARPT-Use rnwys only. (5-23)
THREE LAKES ARPT-Const. (6-13)
TOMAH ARPT-N/S strip under const. Will continue until approx the Fall. (7-7)
TRUAX FLD (MADISON)-Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough. Flood lgts and svcg not avail. 2230 until 0700 daily with the exception of Thurs when flood lgts and svcg not avail. after sunset. Three 257' rdo twrs 11 mi S, lat 42-58-45, long. 89-18-58, t emp lgtd. During const, remaining 3 rdo twrs obst lgtd top level. (7-13)
WAUPUN ARPT, new-New arpt under const 2 mi WSW Waupun. Closed to trans acft. (7-5)
WINNEBAGO CO. ARPT (OSHKOSH)-Use rnwys only. All traffic left hand, 600' except E and NE which is right traffic, 600'. (7-5)
[redacted]: ARCHER-RADIO: FM will be decomm concurrent with comm of Cheyenne ILS. (7-11)
CHEYENNE-RADIO: Soon, Hillsdale VHF bone-shaped FM will be comm at lat 41-09-30, long. 104-31-30, 16.2 mi E of Cheyenne low freq rng, ident one dash.
CHEYENNE ARPT-RADIO: CAA ILS will be comm soon. Voice equipped lclzr on 110.3 mcs, ident. "CX". Transmitter lctd 457' W of the W end of the E/W rnwy. Mag heading for landing: 262°. Glide path on 335 mcs, lctd 982' W of approach end and 400' S of centerline of E/W rnwy. Middle mrkr lctd 3461' E from approach end E/W rnwy, keyed alt dots and dashes; outer mrkr 32,274' E from approach end E/W rnwy, keyed 2 dashes. Middle compass lctr on 230 kcs, ident "X", outer compass lctr on 260 kcs, ident. "C". FLD: Equip. on fld days. Lgtd bldg between E/W rnwy and taxi strip, 1000' from E end. (7-7)
JACKSON MUN. ARPT-Cattle on fld intermittently. (6-13)
RAWLINS ARPT-Equip. on rnwys. (4-17)
ROCK SPRINGS MUN. ARPT-Use rnwys, taxiways only, bal fld unsafe-const. Equip. on fld. Glide path bldg 400' S and 750' from E end E/W rnwy. (7-8)
SHERIDAN CO. ARPT-N/S rnwy unsafe heavy acft. Taxi strips parallel all rnwys except N/S rnwy and terminate at ramp. Equip. on fld intermittently. Ctc Sheridan rdo for fld lgts. (2-6)
WARDWELL FLD (CASPER)-Use rnwys, taxi strips only, bal fld rough. 40' unlgtd pole erected at 30 million candle pwr ceilometer projector 1000' N of hangar. (4-8)
WORLAND ARPT-Strips under const. Equip. on strips days. Use with ctn. (5-21)

RADIO FACILITY CHARTS
U.S. COAST & GEODETIC SURVEY
DEPARTMENT OF COMMERCE

The U.S. Coast and Geodetic Survey of the Department of Commerce publishes a series of radio facility charts covering the entire United States. There are forty-two separate charts comprising the RF series, reproduced on standard page size paper measuring 8 x 10-1/2 inches, with a margin allowed for binding. These charts provide complete radio information to facilitate the planning and execution of cross-country flights in the United States and were developed by the Survey at the specific request of the Air Transport Association which represents commercial airlines operating in domestic areas. The latest advancement in depicting a special type of information necessary for aeronautical operations by use of radio facilities is reflected by the charts, which are widely used by commercial, private, and military airmen.

The charts are printed in green and magenta on a white background. The data reproduced from the green plate include the projection, scale, and a minimum of terrain features such as shorelines and major rivers. The civil airways - classified as to type - showing main safe altitudes and with mileage indicated between designated radio fixes are also showin in green. Magenta is employed to show all radio facility data, including radio ranges, beacons, radio served airports, bearings, and frequencies. The complete radio facility information for the United States, provided by these charts, is similar to the data published in the Airman's Guide.

On the reverse side of each chart are tabulated comprehensive data for all radio stations in operation, classified as to Aids to Navigation and Control Towers. The Aids to Navigation data include the type, class, identification, and other information pertaining to radio facilities of each radio station, together with the elevation and bearing of the airport serviced by the station.

Under the program for the maintenance of these charts revisions are made on a weekly schedule, to provide the users of the charts with the latest changes in radio facilities data, with a minimum of delay. An index sheet showing the arrangement of the charts of the series and a legend sheet identifying the symbolization employed in the series are furnished free with all orders for RF charts.

Radio facility charts are distributed at 5 cents each, or they may be obtained on an automatic subscription basis at an annual subscription price of 10 cents per year per chart when ordered in quantities of 20 or more of any one chart. Subscriptions will include all revisions during the year. Announcement will be made in the next issue of arrangements whereby persons desiring to subscribe for a single set of all 42 charts with revision service may do so at a special rate. Cost estimates are now being made by the Coast and Geodetic Survey for this new service designed especially to help the personal flier.

Orders for less than 20 copies will not constitute a subscription and must be purchased as individual orders with the usual 33-1/3% discount on gross orders of $10.00 or more in one shipment to one address. All subscriptions must be paid for at the time of placing the order and no subscription will be honored unless accompanied by the proper remittance. A subscription can cover only one individual chart. A grouping of several charts to make up a subscription will not be accepted.

It is estimated that an average of four revisions will be made of each chart per year, but if conditions do not warrant the issue of more than one revision it is understood that only one will be made.

Orders for charts should be addressed to the Director, U. S. Coast and Geodetic Survey, Washington 25, D. C.

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SPECIAL NOTICE

The Airman's Guide dated August 5, 1947, will be the last issue to appear in its present form. Beginning with the August 19th issue the Guide no longer will carry the charts and facing data pages, but will include the Notices to Airmen. This step has been made necessary by reductions in appropriations.

Airport Directory information will be included in the semi-annual Flight Information Manual, the next issue of which will be dated January 1, 1948. It is, therefore, important that you save this issue of the Airman's Guide since it will contain the most up-to-date Airport Directory available until January 1, 1948.

The Government Printing Office will continue to mail you the Airman's Guide every two weeks until your present subscription expires. You can then order a new subscription, covering both the revised Airman's Guide and the combined Flight Information Manual and Airport Directory, for $6.00 a year. Money orders should be sent to Superintendent of Documents, Washington 25, D. C.

Many subscribers may wish to supplement the Airman's Guide with the Radio Facilities Charts published by the Coast and Geodetic Survey. A single set of 42 charts covering the U.S., with revised charts issued on an average of four times a year may be obtained from the Coast and Geodetic Survey for $4.50 a year. Orders for these charts should be addressed to the Director, U.S. Coast and Geodetic Survey, Washington 25, D.C.

AIRMAN'S GUIDE

NOTICES TO AIRMEN
DIRECTORY OF AIRPORTS
AIR NAVIGATION RADIO AIDS

VOL. 2, NO. 10 .....AUGUST 5, 1947

This issue includes all data on record as of 0001 E.S.T. on the date above. For later information consult teletype NOTAMS.

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
OFFICE OF AVIATION INFORMATION

For sale by Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. – Price 30 cents per copy, $7.50 per year

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THE AIRMAN'S GUIDE IS A COMPOSITE DIRECTORY OF AIRPORTS, AIR NAVIGATION RADIO AIDS, AND NOTICES TO AIRMEN. ON THE DATA PAGES ARE TABULATED ALL THE DATA COVERING THE FACILITIES CHARTED ON THE BACKING PAGES. THIS PRESENTATION IS GRADUALLY BEING REVISED, HOWEVER, SO THAT EVENTUALLY THE DATA PAGES WILL FACE THE CHARTS.

INDEX OF FACILITIES

TO FIND THE NUMBER OF THE PAGE ON WHICH A FACILITY IS CHARTED, REFER TO THE INDEX OF FACILITIES BELOW. AS OUTLINED ABOVE, THE DETAILED DATA FOR THE FACILITY WILL BE FOUND ON THE DATA PAGE BACKING, OR FACING, THE CHART.

NEW DATA PRESENTATION

(A) ON THE DATA PAGES BACKING OR FACING THE CHARTS, NEW DATA OR REVISIONS ARE INDICATED BY ARROWS; (B) IN THE NOTICES TO AIRMEN SECTION, CITATIONS COVERING NEW OR REVISED RADIO DATA ARE PREFIXED BY ONE LARGE STAR " ★ " CITATIONS COVERING NEW OR REVISED AIRPORT, OR MISCELLANEOUS DATA ARE PREFIXED BY TWO ASTERISKS "**"

DATA PAGE NOTAMS

BECAUSE OF THE SERIOUS PAPER SHORTAGE, THE DATA PAGES, WHERE POSSIBLE, HAVE TO SERVE AS NOTAM (NOTICES TO AIRMEN) PAGES, RESULTANTLY, MOST OF THE NEW DATA FORMERLY NOTAMIZED IN THE NOTICES TO AIRMEN SECTION WITH PREFIXED LARGE STARS OR DOUBLE ASTERISKS ARE NO LONGER CARRIED IN THAT SECTION. ONLY COMMISSIONINGS, ABANDONMENTS, OR CHANGES SO POTENTIALLY HAZARDOUS THAT THEY ARE INDICATED WITH Ⓡ (FOR RED FLAG) SYMBOLS ON THE CHARTS, ARE NOW CITED IN THE NOTICES TO AIRMEN SECTION NOTAMIZING ON THE DATA PAGES IS EFFECTED BY THE USE OF PREFIXED ARROWS AS IN THE FORMER AIR NAVIGATION RADIO AIDS PUBLICATION. ANY CHANGES FROM THE PREVIOUS ISSUE, WHETHER CITED IN THE NOTICES TO AIRMEN SECTION, OR NOT, ARE INDICATED BY THE PREFIXED ARROWS. FOLLOWING ARE EXAMPLES OF CHANGES NOTAMIZED ONLY ON THE DATA PAGES: FIELD OBSTRUCTION, SERVICING, ELEVATION, LOCATION, AND RUNWAY LENGTH CHANGES. BECAUSE OF THE USE OF THE PREFIXED ARROWS AS NEW DATA INDICATORS, A FURTHER INNOVATION HAD TO BE ADOPTED. THIS IS A TINTED HORIZONTAL LINE FOLLOWING THE LAST TABULATED FACILITY AND TITLED EITHER NEW RADIO FACILITIES OR NEW AIRPORTS.

HOW TO USE THE AIRMAN'S GUIDE

NEW FACILITIES ON DATA PAGES

SPACE BELOW THE TINTED HORIZONTAL LINES ON THE DATA PAGES HAS BEEN RESERVED AS A SUPPLEMENT FOR NEW RADIO AIDS AND AIRPORTS WHOSE DATA WERE RECEIVED AFTER THE DATA PAGES WERE ORIGINALLY TYPED. REVISIONS TO EXISTING AIRPORTS AND RADIO AIDS ARE SUPER-IMPOSED ON THE OLD DATA. NEW AIRPORTS AND RADIO AIDS HOWEVER, ARE LISTED, NECESSARILY OUT OF ALPHABETICAL ALIGNMENT, BELOW THE TINTED HORIZONTAL LINES UNTIL THE PAGE IS RE-TYPED.

CHART NOTAMS

NOTAMIZING ON THE CHARTS IS EFFECTED BY USE OF THE SUPER-IMPOSED Ⓡ AND Ⓞ SYMBOLS. THE Ⓡ (FOR RED FLAG) INDICATES A VERY HAZARDOUS CONDITION OR A MAJOR CHANGE. THE Ⓞ SYMBOL (FOR ORANGE FLAG) INDICATES A MINOR CHANGE OR HAZARDOUS CONDITION WITH THE FACILITY STILL USABLE WITH CAUTION. THE PERTINENT DETAILS TO WHICH THESE SYMBOLS REFER WILL BE FOUND LISTED IN THE NOTICES TO AIRMEN SECTION UNDER THE FACILITY NAME (AND STATE) BY WHICH THEY ARE CHARTED.

Ⓡ and Ⓞ SYMBOLS

THESE SYMBOLS WERE ADOPTED FOR SUPER-IMPOSITION OVER CHARTED FACILITIES TO INDICATE HAZARDOUS CONDITIONS AND COVERING NOTICES TO AIRMEN. THUS, IF A CHART USER NOTES NO SYMBOL ON THE FACILITIES HE IS PLANNING ON USING, THERE IS NO NECESSITY FOR HIM TO WADE THROUGH THE 30-ODD PAGE NOTICES TO AIRMEN SECTION

NOTICES TO AIRMEN SECTION

ALL TEMPORARY CONDITIONS (FIELD SOFT, RUNWAY UNDER CONSTRUCTION, RANGE COURSE OUT OF ALIGNMENT, ETC) ARE CITED IN FULL IN THE NOTICES TO AIRMEN SECTION UNTIL THEY ARE NO LONGER IN EFFECT. WHEN A CITATION CARRIES A PERMANENT ITEM AND A TEMPORARY ITEM, THE PERMANENT ITEM IS UNDERLINED. PARENTHETICAL DATE AT END OF ITEM INDICATES TIME ITEM WAS REPORTED. TO CONFORM TO CHART PRACTICE, ALL FACILITY DATA ARE LISTED IN THE NOTICES TO AIRMEN SECTION AND ON DATA PAGES ALPHABETICALLY BY STATES AND BY FACILITY NAME. THUS, AN AIRPORT WILL BE FOUND LISTED ALPHABETICALLY UNDER ITS OWN NAME RATHER THAN UNDER ITS LOCALE'S NAME. IF THE AIRPORT OR RADIO FACILITY NAME IS OTHER THAN THAT OF THE CITY IN WHICH IT IS LOCATED, THE LOCATION IS SHOWN IN PARENTHESIS AFTER THE FACILITY NAME.

SPECIAL NOTICES

NOTICES OF NATIONAL INTEREST, OF GREAT IMPORTANCE, OR OF NON-LOCALIZED NATURE, WILL BE FOUND AT THE BEGINNING OF THE NOTICES TO AIRMEN SECTION.

CIVIL FACILITY CHANGES: ADVISE WHOM

PLEASE ADVISE THE NEAREST C. A. A. AIRWAYS COMMUNICATIONS STATION BY TELEPHONE, TELEGRAPH, OR LETTER AS SOON AS TEMPORARY CONDITIONS COVERING CIVIL AIRPORTS OR NAVIGATIONAL AIDS BEGIN OR TERMINATE, OR FLIGHT HAZARDS ARE ERECTED OR REMOVED. FIELD DATA REVISIONS SHOULD BE SUBMITTED TO THE NEAREST C.A.A. DISTRICT AIRPORT ENGINEER.

TO ALL SUBMITTERS OF AIRMAN'S GUIDE DATA

AN UNDER-MANNED STAFF PREVENTS AN INDIVIDUAL ACKNOWLEDGMENT OF DATA SUBMITTED FOR THE AIRMAN'S GUIDE BY TELEGRAM, TELETYPE DISPATCH, OR LETTER. YOUR COOPERATION IN PERMITTING A GUIDE CITATION TO SUFFICE AS AN ACKNOWLEDGMENT WILL BE APPRECIATED.

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FM - FAN MARKER
R - RADIO RANGE
T - AIRPORT WITH CONTROL TOWER

N.B. ALL FACILITIES WITHOUT A LETTER SUFFIX ARE AIRPORTS. NAMES NOT FOLLOWED BY A NUMBER SUFFIX ARE NOT AIRPORTS BUT MERELY GEOGRAPHICAL LOCATIONS.

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Middlebury (35)
Montpelier R (35)
Newport (35)
Rutland (35)
St. Albans,Point Hill (35)
St. Johnsbury,Brown (39)
Springfield,Hartness (35)
Swanton, Austin (35)
Thetford, Post Mills (35)
Vergennes FM (35)
White River Junction
" Twin State (35)

[redacted]

Alberta (95)
Alexandria A, FM(87,89)
" Beacon (89)
" Crossroads (89)
Alta Vista (87)
Annandale,Sprgfield (89)
Arcola R (87,89)
" Pleasant Valley (89)
Bedford (87)
Big Spring Gap
" Powell Valley (93)
Blacksburg, V.P.I. (87)
Blackstone A, R (87)
Bristol, Combs (93)
Brodnax, Pennington (95)
Cape Charles (97)
Charlottesville, Univ. of Virginia (87)
Chatham, Chatham-Gretna (95)
Chester FM (87)
" Midway (87)
Chilhowie FM, A (93)
Chincoteague T, R (89)
Clarksville-Finchley(95)
Clover (96)
Covington-Clifton Forge (87)
Creeds (97)
Culpeper (87)
" Reynolds (87)
Dahlgren NAF T (87)
Danville A, H (95)
Dawn FM (87)
Deep Creek FM (97)
Drivers, Monogram (97)
Eclipse FM (97)
Elliston (87)
Emporia (95,97)
Falls Church (96)
Farmville (87)
Fentress (97)
Franklin (95,97)
Fredericksburg
" Shannon (87)
Front Royal R (87)
" Stokes (87)
Galax (93,95)
Gordonsville A, R (87)
" Int. (87)
Hampton,Pentacola (97)
Harcom (87)
Harrisonburg,Hartman (87)
Hartfield, Hummel (87)
Herndon FM (87,89)
" Blue Ridge (89)
Hopewell (87,97)
Hot Springs, Ingalls (87)
Independence, Com (93, 95)
Langley R, T (87,97)
Lawrenceville (95)
Leesburg (87)
Lexington (87)
Lively (87)
Luray (87)
Lynchburg R (87)
" Preston Glenn T (87)
" Timberlake (87)
Manassas (89)
Martinsville (95)
" Lester (95)
Melfa (89)
Milford (87)
Montvale, Buford's (89)
Mt. Vernon H, FM (87,89)
Narrows (81)
Norfolk R, T (97)
" Glearock (97)
" NAS, Chambers (97)
" NAS, East R,T (97)
" Norview (97)
" S. Norfolk (97)
Oceana T (97)
Oakcock,Johnson (89)
Orange Co. (87)
Parksley (89)
Petersburg (87)
" Colonial Heights (87
Portsmouth (97) 97)
" Cumberland (97)
" Roosevelt (97)
Pulaski R, A (81,95)
Pungo (97)
Quantico R, T (87,89)
Radford (87)
Richlands (81)
Richmond R (87)
" Byrd T (87)
" Central (87)
" Hermitage (87)
" Northfield (87)
" Parnell (87)
Roanoke R (87)
" Woodrum T (87)
Shenandoah (87)
Staunton (87)
Suffolk (97)
" Peanut City (97)
Tappahannock (97)
Timberville, New Market Timberville (87)
Virginia Beach (97)
" Thalia (97)
Warrenton,Ziegler (87)
Waverly (96,97)
Waynesboro (87)
" Augusta (87)
" Valley (87)
Weems,Carroll's (87)
Weirwood,Kellam (89)
West Point (87)
Williamsburg, Scott (97)
" Wm & Mary (97, 97)
Winchester (87)
Windsor, Carver (96,97)

[redacted]

Aberdeen, Mem Int (3)
Almira, "JZ" (3)
Arlington, Aero School (3)
Auburn (143)
Bellevue, Lake (143)
Bellingham (3)
Blaine (3)
Bothell,Kenmore (3)
Bremerton,Kitsap Co(143)
Brewster,Riverview (3)
Burlington,Skagit Valley Air Svc (3)
Camano Island FM (3)
Camas, Groves (143)
Chehalis, Co.-City (3)
Chelan (3)
Cheney, Savage (3)
Clarkston,Asotin Co. (3)
Cle Elum (3)
College Place
" Martin (3)
" Skyranch (3)
Colville (3)
Connell (3)
Coulee City (3)
Coupeville (3)
Davenport (3)
Deer Park (3)
Dungeness FM (3)
Easton FM, A (3)
East Sound,Orcas Is. (3)
Ellensburg R (3)
" Bowers (3)
Emmelow (143)
Ephrata A, R (3)
Everett A, R (3)
" Paine (3)
Forks (3)
Geiger (3)
Goldendale (3)
Graham, S & S (3)
Harrington FM, A (3)
" Armstrong's Ranch (3)
Huntsville,Toothet Valley (3)
Hobart FM (3)
Ilwaco (3)
Issaquah, Seattle Sky Ranch (143)
Keiso (3)
Kennewick,Twin City (3)
" Vista (3)
Kent (143)
Kittitas, Cameron (3)
Klipsan Beach, Ocean Park (3)
La Center FM (3,143)
La Crosse (3)
Lakeview FM (3,143)
Lind (3)
Longview, Vista (3)
McChord R, T (3,143)
Mallott (3)
Marysville, Marysville Bay Meadows (3)
Mead, Wallace (3)
Metaline Falls, Sullivan Lakes (3)
Montesano, Summit (3)
Moses Lake (3)
Mossyrock (3)
Mt. Vernon, Barker & Dean (3)
" OLF T (3)
Neah Bay R (3)
Newport (3)
North Bend, Snoqualmie Pass (3)
Okanogan-Legion (3)
Olympia (3)
Omak,Okanogan (3)

Opportunity,Lemon (3)
Orchards, Evergreen (143)
Oroville,Scott (3)
Pasco (3)
Paterson, Anderson (3)
Port Angeles CGAS T (2)
" Clallam Co. (2)
Port Orchard, South Port Orchard (143)
Port Townsend,Co-City (2)
Prosser (3)
Pullman-Moscow Regional (3)
Puyallup (143)
" Northern Tacoma (143)
Quillayute (2)
Renton,Boeing-Renton (.43)
Republic,Fairweather (3)
Richland Air Base (3)
Ritzville (3)
Rosalia (3)
San de Fuca, Whidbey Island (2)
Seattle R (2,143)
" Bellevue (143)
" Boeing T (143)
" NAS H, T (2,143)
" Seattle-Tacoma (143)
Shelton,Mason Co. (2)
Silverdale, Apex (143)
Snohomish (2)
Spanaway, Forest Grove (143)
" Acft. Co. (143)
Spokane R (3)
" AAF T (3)
" Calkins Air Term.(3)
" Felts T (3)
" Geiger (3)
" Manito (3)
Sprague (3)
Stevenson FM (2)
Sunnyside (3)
Tacoma (143)
" Arpk (143)
" Barrys Sky Harbor (143)
" City View Arpk (143)
" Lakewood (143)
" McChord R,T (2,143)
Toledo-Winlock (2)
Tonasket (3)
Toppenish (2)
Twisp (2)
Vancouver (143)
" Mun (143)
Vista (3)
Walla Walla R (3)
" AAF (3)
Washougal FM (2,143)
Washtucna (3)
Wenatchee, Pancher (2)
" Pangborn (2)
Westport (2)
Whidbey Island R,H,T (2)
Wilbur (3)
Winthrop,Intercity (2)
" Pasayten (2)
Woodland FM (2,143)
Yakima R (2)
" County T (2)

WEST VIRGINIA

Beckley, Scott (85)
Buckhannon, Lewis (87)
Bunker Hill,Ridgeway (87)
Burlington,Baker (87)
Charleston R (85)
" Bollinger (85)
Clarksburg,Benedum (87)
Elk Garden (87)
Elkins A, R (87)
Glenville (49)
Greenbrier (87)
Hinton (85)
Holliday's Cove
" Weirton (49)
Huntington R (82)
Logan (85)
Martinton (87)
Martinsburg A, R (87)
" North End (87)
Moorefield (87)
Morgantown A, R (49,87)
New Cumberland, Herron (49)
Parkersburg,Stewart (85)
" Wood Co. (85)
Paynesville R (85)
Pence Springs, Hinton Alderson (85)
Petersburg (87)
Princeton (85)
Ravenswood (85)
Romney (87)
Roncverte,Boone (87)
Spencer,Roane Co. (85)
Sutton (85)
Taplin,McDonald (85)
Terra Alta,Forman (87)
Weston,Louis Bennett (87)
Wheeling-Ohio Co. R(49)
White Sulphur
" Greenbrier (87)
Williamson,Morris (85)
Winfield, Clark (85)

WISCONSIN

Amery (14)
Antigo (15)
Appleton,Outagamie (15, 29)
Arbor-Vitae (15)
Ashland (14)
Baraboo,Bell-Aero (29)
Barron (14)
Beaver Dam (29)
Berlin (15,29)
Black River Falls
" Jackson Co. (14)
Bloomer,Pines (14)
Boscobel (27)
Boulder (15)
Boyceville (14)
Brodhead, Bill's (29)
Camp Douglas, Camp Williams (27,29)
Camp McCoy (27)
Cedarburg,Grob (29)
Chetek (14)
Chippewa Falls (14)
Clintonville (15,29)
Colby-Abbotsford (14,29)
Coloma (15,29)
Cumberland Mun. (14)
Dallas (14)
Darlington, Red Rock (27,29)
DePere,Nicolet (15,29)
Durand,Schlosser (14)
Eagle River (15)
Eau Claire (14)
" (Mun) (14)
" Sky Haven (14)
" Sky Park (14)
Elkhorn (29)
Fifield,Boyd's Mason Lake (14)
Fond du Lac (15,29)
Genessee FM (29)
Grantsburg (14)
Green Bay, Brown Co. (15,29)
Green Lake (15,29)
Hales Corner,Wisconsin Skyways (29)
Hayward (14)
Holcombe (14)
Hudson Fly. Svc (14)
Iron River, Union (14)
Janesville City (29)
" Rock Co (29)
Kenosha A, FM (29)
Kohler (15,29)
La Crosse A, R (27)
" Int (27)
Ladysmith,Rusk Co. (14)
Lake Delton, Wisconsin Dells Lake Delton(29)
Lake Geneva (29)
Lancaster, Fly Svc. (27)
Land O'Lakes, King's Gateway (15)
Lemonweir,Mauston (27,29)
Lone Rock R, A (27,29)
Madison R (29)
" Morey (29)
" Four Lakes (29)
" Truax (29)
Medford,Taylor Co.(14)
Manitowoc (15,29)
Manitowish, Waters Arpt (15)
Marshfield (14,29)
Menomonie (14)
Merrill (15)
Milwaukee R (29)
" Brown Deer (29)
" Curtiss-Wright (29)
" Mitchell T (29)
" Skyhaven (29)
" Maitland (29)
Minong,Hultquist's Sky Ranch (14)
Monroe,Badger (29)
Neenah, Valley Airways (15,29)
Neillsville (14)
New Lisbon,Tucker Fly. Svc (27,29)
New Richmond (14)
Oconto Mun. (15,29)
Omro,Ginnow (15,29)
Oshkosh
" Winnebago Co. (15,29)
Owen (14,29)
Phillips (14)
" Price Lake (14)
Platteville,Platte(27,29)
Plymouth,Sky Village (15,29)
" Chaplin (15,29)
Portage,Mael (29)
Pulaski,Kubiak's (15,29)
Racine,Horlick-Racine (29)
Rhinelander (15)
Rice Lake (14)
River Falls (14)
Rothschild,Wisconsin (15,29)
Sextonville,Richland Fly. Club Int.(27, 29)
Shell Lake (14)
Shullsburg (27,29)
Shawano (15,29)
Siren,Burnett Co. (14)
Sparta,Sparta-Angelo (27)
Spencer (14)
Spooner (14)
Stevens Point (15,29)
Sturgeon Bay
" Cherryland (15,29)
Sturtevant, Air City (29)
Superior, Bong (14)
Thorp (14)
" City (14)
Three Lakes (15)
Tomah (27,29)
Tomohawk (15)
Washington Island (15)
Watertown (29)
Waukesha Co. (29)
Waupaca (15,29)
Wausau, Alexander (15, 29)
West Bend Fly Svc.(29)
Whitewater (29)
Winter,Rainbow (14)
Wisconsin Rapids-Nepco Tri-City (15,29)
Wonewoc,Castle Rock (27,29)

WYOMING

Afton (23)
Basin (7)
Big Piney (23)
Buffalo (7)
Casper R (25)
" AAF T (25)
" Casper Central (25)
" Wardwell (25)
Cheyenne R,T (63)
Cody (7)
Cokesville (23)
Cowley,Cowley-Lovell-Bryon (7)
Douglas A, H (23)
Dull Center,Hoadley(25)
Evanston (22)
" City (22)
Fort Bridger R,A (22)
Gillett Arpk (7)
" Mun. (7)
Greybull (7)
Jackson (22)
Kemmerer (22)
Lander (23)
Laramie A,R (23,63)
" Brees (23,63)
Lingle (25)
Lusk (25)
Meadows FM (63)
Medicine Bow (23,63)
Meeteetse, Mun. (7)
Midwest FM (23)
Moran,Signal Mtn. (22)
New Castle,Mondell(25)
Parkerton FM (23)
Pine Bluffs (63)
Pinedale (23)
Point of Rocks FM (23)
Powell (7)
Rawlins (23,63)
Riverton (23)
Rock Springs Mun. (23)
Saratoga (23,63)
Sheridan R, FM (7)
"Sheridan Co. (7)
Shoshoni (23)
Silver Crown FM (23,63)
Sinclair R, A (23,63)
Sussex (23)
Thermopolis (23)
Torrington (25)
Ucross FM (7)
Wamsutter (23,63)
Wheatland (25)
" East Side (25)
Worland (23)

GCA AVAILABLE: How and Where

GROUND CONTROLLED APPROACH (GCA) AVAILABLE TO CIVIL PILOTS AS WELL AS ARMY AND NAVY: All GCA facilities (Army, Navy, or CAA) are available to any plane in emergency. To secure GCA assistance pilots should call the associated control tower for instructions.

In addition to the working frequencies listed below, Army and Navy GCA emergency VHF transmissions are made on 140.58 mcs. Simplex service on 3117.5 kcs will be provided at all Army and Navy installations to provide an alternate means of communications for scheduled air carrier aircraft. Army and Navy towers will relay GCA instructions on 200-400 kcs band to civil aircraft not equipped to receive VHF or HF.

A minimum of 30 minutes will generally be required to assemble a GCA crew and prepare the equipment for operation AFTER an alert has been received at those locations not providing continuous service.

CAA GCA UNITS

LOCATION	FREQUENCIES		REMARKS
	Transmitting	Receiving	
Chicago Arpt, Ill.	350 kcs; 109.5, 126.18 mcs.	3105,4495,6210,3117.5 kcs;126.18,118.1,118.7, 122.5 mcs.	Continuous.
LaGuardia Fld, N.Y.	209,362 kcs;118.1, 118.7,121.9,126.1 mcs.Emerg:118.3 118.5,118.9,116.1 140.58 mcs.	3105,6210,3117.5 kcs; 118.7 mcs.Emerg: 140.58 mcs.	Oper cont.Avail. for emerg. use 24 hrs. daily.
Washington Nat.Arpt,D.C	322,278 kcs;118.1 118.5,126.18 mcs Emerg:140.58 mc	3105,3117.5,4495,6210 kcs;118.1,118.5,122.5, 126.18 mcs.Emerg:(30-min.Notice)-140.58 mcs.	Oper cont.Avail. for emerg. use 24 hrs. daily.

NAVY GCA UNITS

LOCATION	FREQUENCIES		REMARKS (Weather minimums;hrs. of oper)
	Transmitting	Receiving	
Atlantic City NAS,N.J.	*,275 kcs	+	200',1/4 mi.30-min.not.
Cherry Point MCAS,N.C.	*	+	200',1/2 mi.30-min.not.
Corpus Christi NAS,Texas	*,348 kcs;126.18, 128.7,142.74 mcs.	+,126.18,128.7, 142.74 mcs.	100',1/2 mi.30-min.not.
El Toro MCAS, Calif.	*	+	30-min.notice.
Jacksonville NAS (Lee Fld), Fla.	*,323 kcs.	+	200',1/2 mi.15-min.not.
Miramar NAAS,Calif.	*,239 kcs.	+	200',3/4 mi.30-min.not.
Moffett Fld NAS, Calif.	*,323 kcs.	+	100',1/2 mi.Continuous.
New York NAS (Floyd Bennett), N.Y.	*,388 kcs.	+	100',1/4 mi.30-min.not.
Norfolk NAS, Va.	*,323 kcs.	+	200',1/2 mi.30-min.not.
Oakland Arpt.Calif.	*,278 kcs.	+	100',1/4 mi.30-min.not.
Olathe NAS, Kans.	*	+	100',1/4 mi.30-min.not.
Patuxent River NAS,Md.	*,347 kcs.	+	100',1/4 mi.Continuous.
Quonset Point NAS, R.I.	*	+	100',1/4 mi.30-min.not.
Saufley Fld NAAS, Fla.	*,375 kcs.	+	100',1/4 mi.30-min.not.
Seattle NAS, Wash.	*,230 kcs.	+	100',1/2 mi.30-min.not.
Squantum NAS, Mass.	*,323 kcs.	+	200',1/2 mi.30-min.not.
Whidbey Island NAS,Wash.	*,278 kcs.	+	100',1/4 mi.30-min.not.

'Standard freqs = 3475,4890,6640 kcs; 134.64,142.02,143.64 mcs.

* = Standard, 3117.5 kcs, 140.58 mcs, & HF from 2000 to 18100 kcs.

+ = Standard, 3117.5 kcs,140.58 mcs, & HF from 1500 to 9050 kcs.

N.B. Pilots desirous of making practice GCA approaches should make their own arrangements with the tower concerned.

AUGUST 5, 1947

ARMY GCA UNITS

LOCATION	FREQUENCIES		REMARKS (Hrs. of operation,etc.)
	Transmitting	Receiving	
Andrews Fld, Md.	HF,VHF	HF,VHF,1500-18000 kcs.	Cont.during IFR;0800-1700 daily,or on 30-min.notice.
Barksdale Fld, La.	HF,VHF	VHF;4495,6210, 3117.5 kcs.	Cont.during IFR;0800-1700 Mon-Fri,or 40-min.not.
Biggs Fld, Tex.			Opers for training CFR daylgt hrs. Mon-Fri.
Clinton Co.AAF,Ohio	HF,VHF	VHF; 1500-18000 kcs.	Cont.during IFR;0800-2200 CFR,or 30-min.notice.
Dow Fld, Maine			Opers for training CFR daylgt hrs. Mon-Fri.
Eglin Fld, Fla.			Opers for training CFR daylgt hrs. Mon-Fri.
Fairfield-Suisun AAF,Cal.	HF,VHF minus channel A.	350,3117.5 kcs. VHF minus channel A,1500-18000 kcs on req.	Cont.during IFR;0900-2100 Mon-Fri,or 30-min.not.
Ft. Worth AAF,Tex.	3475,4890,6640; channels C,D	4495,6210 kcs; channels C,D	Opers for training 0700-1530 Mon-Fri.
Grenier Fld, N.H.	3475,4890,6640 kcs; channel A. Emerg:3105,4495 6210,4765 kcs.	Channels A, C G, H; 1500-18000 kcs on req.	Opers 0730-1200,1300-1630,1730-2100 for training.
Langley Fld,Va.	HF,VHF	VHF;3105,4495, 6210,3117.5 kcs.	Cont.during IFR;0800-1630 CFR,or 40-min.notice.
Lowry Fld, Colo.			Opers for training CFR daylgt hrs. Mon-Fri.
MacDill Fld, Fla.	3475,4890,6640 kcs;VHF	VHF;on req,1500-18000 kcs.	Opers 0800-1600 Mon-Fri for training.
March Fld, Calif.			Opers for training CFR daylgt hrs. Mon-Fri.
Maxwell Fld, Ala.	VHF;3475,4890, 6640 kcs.	VHF;4495 kcs.	Opers for train.0700-1600 Mon-Fri,or on 40-min. not.in extreme emerg.
McChord Fld, Wash.	HF,VHF minus channel A;4495, 6210 kcs.	VHF minus channelA,190-400 & 1500-18000 kcs.	Opers 0900-2100 daily for training.
Mitchel Fld, N.Y.	HF,VHF	VHF,3105,4495, 3117.5,4765 kcs.	Cont.during IFR;0900-1130 & 1300-1630 CFR;40-min. notice other times.
Patterson Fld, Ohio	HF,VHF minus channel A.	VHF minus chan. A;3105,4495,6210 1500-18000 kcs.	Opers 1200-2400 for training.
Selfridge Fld, Mich.			Opers for training CFR daylgt hrs. Mon-Fri.
Shaw Fld, S.C.	3475,4890,6640; channels C,D	3105,4495,6210; channels C,D	Opers for train.0800-1145 & 1300-1630 Mon.-Fri.
Smoky Hill AAF, Kans.	3475,4890,6640; channels B,C,D,H	3475,4890,6640; channels B,C,D,H	Opers for train.0700-1200 & 1300-1600 Mon-Fri.Sat: 0700-1200.
Tinker Fld, Okla.	3475,4890,6640; channels C,D,G,H	4495,6210 kcs; channels C,D,G,H	Opers for training.
Westover Fld, Mass.	HF,VHF	HF,VHF;200-400 & 1500-18000 kcs	Cont.during IFR; 30-min. notice other times.

HF = 3475,4890,6640 kcs. Emerg. airline freq: 3117.5 kcs.

VHF = (Channel A) 116.1,(B) 126.18,(C)137.88,(D)140.58,(G) 137.70,(H) 134.10

N.B. Army Weather Minimums: For clearance purposes minimums established in TC-[illegible]-3 or AAF Regulations 60-16 apply.

AIR NAVIGATION RADIO AID

LEGEND

(3) - Station guards 3105, 4495, 6210 kcs
(4) - Station guards 3105, 4495, 6210, 3117.5 kcs.
(7-24) - Hours of operation (7 A M. to midnight) on a 24-hour clock basis
→ - New or revised data*

RADIO CLASS DESIGNATIONS

AC.....Approach Control Tower, CAA
B.....Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited)
C.....Control Tower, CAA
CA.....Control Tower, Army
CI.....Control Tower (City,County,Private, etc.)
CN.....Control Tower, Navy
D.....Distantly controlled
FM.....VHF fan type marker (100 watts)
FMHW.....Non-directional radio beacon when combined with fan marker.
GCA.....Ground control approach system
H.....Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System (voice on localizer channel)
IM.....VHF boundary marker
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
LOR.....Low frequency omni-directional range
MH.....Non-directional radio-beacon (homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts
MM.....VHF middle m-
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50 less than 150 watts
MRL.....Range (loop radiators), power more than 50 less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within 5.5 miles of middle marker
P.....Point to point radio
RA.....Range (adcock, vertical radiators), power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous (range signals and voice) type of transmitter
T.....Teletype
TX.....Principal teletype
V.....Additional voice feature on VHF
VAR.....Visual-aural VHF range (every VAR has simultaneous voice feature)
VOR.....VHF omni-directional range
W.....Without voice facilities
Z.....VHF station location marker at a range station

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE •–	E-EASY •	I-ITEM ••	M-MIKE ––	Q-QUEEN ––•–	U-UNCLE ••–	Y-YOKE –•––
B-BAKER –•••	F-FOX ••–•	J-JIG •–––	N-NAN –•	R-ROGER •–•	V-VICTOR •••–	Z-ZEBRA ––••
C-CHARLIE –•–•	G-GEORGE ––•	K-KING –•–	O-OBOE –––	S-SUGAR •••	W-WILLIAM •––	
D-DOG –••	H-HOW ••••	L-LOVE •–••	P-PETER •––•	T-TARE –	X-XRAY –••–	

1 •–––– 3 •••–– 5 ••••• 7 ––••• 9 ––––•
2 ••––– 4 ••••– 6 –•••• 8 –––•• 0 –––––

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission) 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered non-directional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles. These are now shown as "MHW" facilities.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency, and generally, VHF of 116.1 and/or 111.1 mcs. 116.1 mcs. is used for transmission to Army aircraft, 111.1 mcs. to civil aircraft.

The classification designation "B" denotes that the station broadcasts meteorological and notice to airmen information on a scheduled basis at 15 & 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW RADIO FACILITIES, BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

N.B. For Digest of A.T.C. and Communications Procedures, see *FLIGHT INFORMATION MANUAL*

AIRPORT DATA
LEGEND

(When city and airport names are identical, the airport name is omitted in the interest of space-conservation)

(A)	Airport name	(A)	- Owned or leased totally by Army
(N)	"	(N)	- " Navy
(CG)	"	(CG)	- " Coast Guard
(NG)	"	(NG)	- " National Guard
(A)	"		- Open to civilians but owned or leased wholly or in part by Army, Air Reserve, Army svcg. detach. or contract ops usually available.
(N)	"		- Open to civilians but owned or leased wholly or in part by Navy.
(CG)	"		- " Coast Guard.
(NG)	"		- " WD or State Govt, for Air Nat'l Guard. Ltd svcg. and main. for transient military acft.
(P)	"		- Civil airport opened to military acft. (See Note 3)
★	"		- CAA Intermediate Field

CLASS — SIZE

4h: Length of longest landing strip (unpaved) in hundreds of feet
4hx: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl").

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-angling winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW/SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station
R2: Range (or homing device) and tower
R3: Range (or homing device), tower, and instrument landing system

LIGHTS

L: Incomplete lighting, either flood or portable runway lights
L1: Beacon only
L2: Beacon and boundary
L3: Beacon, boundary, and obstruction
L4: Beacon, boundary, obstruction, and flood
L5: Beacon, boundary, obstruction, flood, and runway contact
(L5): Identical to L5 except that runway contact lights are high intensity
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach
(L6): Identical to L6 except that instrument approach lights are high intensity

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

SERVICING

S1: Fuel
S2: Fuel, storage
S3: Fuel, storage, minor aircraft repairs
S4: Fuel, storage, minor aircraft, and minor engine repairs
S5: Fuel, storage, major aircraft, and minor engine repairs
S6: Fuel, storage, major aircraft, and major engine repairs

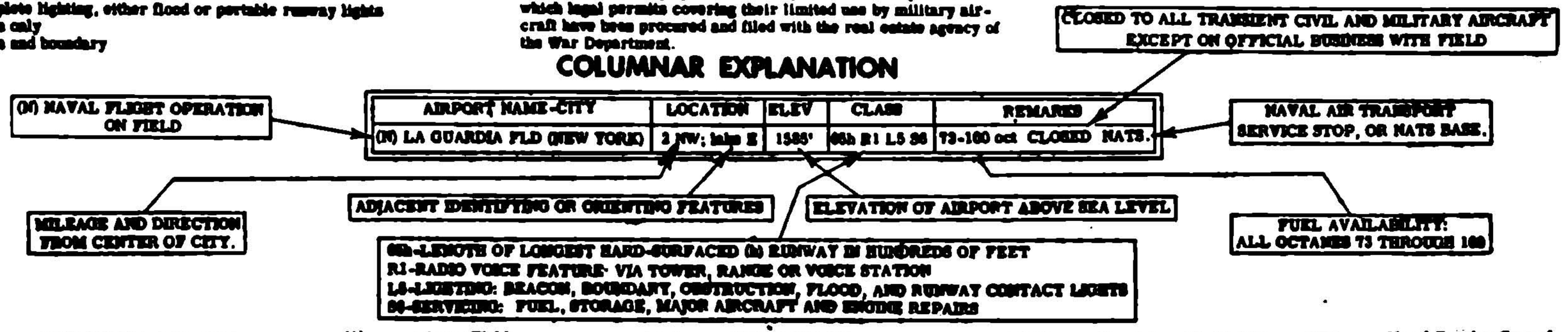
N.B. Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently, servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.

These fields are often recognizable by airport class, comparable to, for example, "1S S1". "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there. Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class column should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify.
2. ➔ New or revised data. ★
3. "(P)" in CITY-AIRPORT NAME column indicates: (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the U.S. Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. "Effingham Int., 10, L5-ED" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Sec 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int.".
5. In Location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct.", indicates fuel octanes available. "Army", or "Navy" following octane indicates Army or Navy contract fuel available.
   (b) "CLOSED" indicates closed to all civil aircraft and all transient military aircraft except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "TEMP INACTIVE. NO FACS." indicates AAF airfields used either exclusively by the AAF or municipal airfields used jointly by the AAF and civil interests at which both the Army and the civil interests are inactive. Such airfields will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned (See Special Notice).
   (e) "ARMY TEMP INACTIVE. CIVIL FACS." indicates municipal airfields used jointly by the AAF and civil interests at which the Army facilities are inactive but civil facilities are available. Such fields may be used by military aircraft, however, only commercial service is available.
   (f) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency. Only those private fields that are clearly identifiable from the air as airports are listed. Too many personal use fields are not covered in the Guide because they are not marked or are too small.
   (g) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines within at least a 15-1 glide angle are indicated.
   (h) "Fld lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (i) "FEE" indicates landing fee for private aircraft.
7. Airline stop airport names are capitalized or bracketed.

COLUMNAR EXPLANATION



AIRPORT NAME ABBREVIATIONS

(A)	- Army Field	LTA	- Lighter than Air	NAAS	- Naval Aux. Air Station	NPG	- Naval Proving Grounds
AAB	- Army Air Base	MCAS	- Marine Corps Air Station	NAF	- Naval Air Facility	OLF	- Outlying Field (Navy)
AAF	- Army Air Field	MCAAF	- Marine Corps Aux. Air Facility	NAS	- Naval Air Station		
CGAS	- Coast Guard Air Station	(N)	- Navy Field	(NG)	- National Guard		

* AT THE BOTTOM OF THE LAST COLUMN, UNDER THE HEADING OF NEW AIRPORTS BORDERED BY TINTED LINE WILL BE FOUND, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP

FLIGHT PLANNING CHARTS

LEGEND

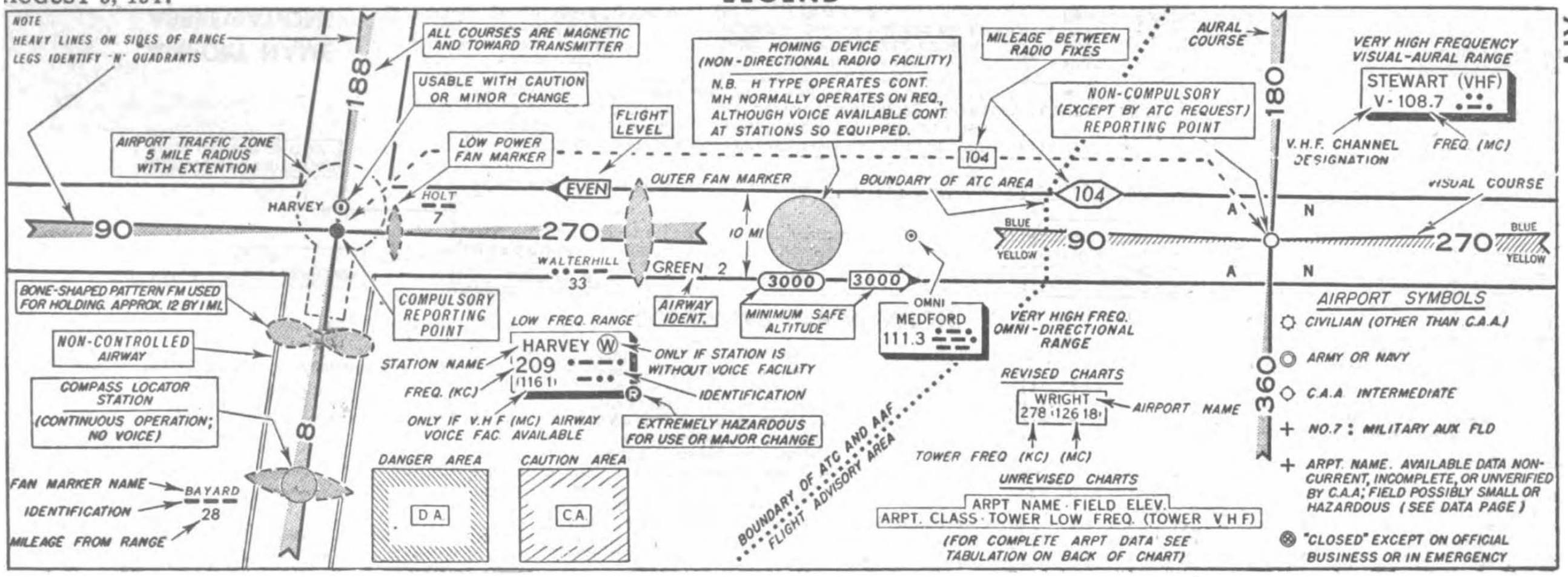


CHART CONTENTS

The Flight Planning Charts, in addition to the warning (R) and caution (O) symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages; (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE AND USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled (R) or (O) items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new fields, abandoned fields, range frequency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

VHF CHANNEL LETTER DESIGNATORS

Channel letter designators are being shown on the Flight Planning Charts herein only as an aid to pilots in their use of unmodified military equipment. It is emphasized that not all very-high frequencies now in use have channel letter designators. Standardization of air-borne equipment in this respect has not been effected, nor is it expected to be along the lines of one-letter designators because of the large number of frequencies which eventually will be in use.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol (R) for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol (O) for orange, or caution.

RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

WARNING

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

Loop ranges (such as ML, RL, MRL without simultaneous feature) are not suitable for DF and ADF operations. DF or ADF use should be restricted to simultaneous type of range stations, H stations, and commercial broadcast stations.

SEATTLE

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Adams (Silverton, Ore)	1.2 NW;RR E	267	33 S4	80 oct.
Albany (Ore)	2.5 NE;RR NW	235	26 S6	80 oct. P-line SW;trees S,SW
*Arlington Int,12B,PD-SM (Ore)	1.4 ENE;riv NW	872	50 L3	
(N) Arlington Aero. School (Wash)	3 SW;hwy W	129	53h L5 S6	80,91 oct Rnwy lgts prior req
ASTORIA Range (Ore)(Clatsop)	323 (AST)	99°,6.9	MRLZ	3105,6210 by pre-arrangement & oper 7-17
Barker & Dean (Mt.Vernon,Wash)	2.2 S;RR,riv W	4	20 S4	73,80 oct Trees NW.
BELLINGHAM Range (Wash)	209 (IJ)(116.1)	114°,2.9	SBRAZ-DTV	(4); 116.1
(P) [Bellingham] (Wash)	4.5 NW;hwy E	158	50h L5 S6	80,91 oct ARPT OF ENTRY
Bend (Ore) (NC)	7.8 N	3350	44	Use in emerg.
Bend (Ore) (new)	5.5 ENE;hwy S	3429	40 S6	80,91 oct Pwrline SE. Use
Blaine (Wash)	0.5 E;RR W	15	15 S1	80-oct P-line SSE strips Ctn when wet.
(P) Bowers (Ellensburg, Wash)	2.5 NE;hwy S	1767	59h L5 S6	80,91 oct Ctc lgts prior req
Cameron (Kittitas, Wash)	0.5 N;RR S	1650	26	
(P) Chehalis Co.-City (Wash)	0.6 NW;RR E	174	50h S6	80 oct.
Clallam Co.(Port Angeles,Wash)	3.2 WNW	290	52h S6	80 oct.
(P) Clatsop (Astoria, Ore)	3 SW;riv E	9	58h L5 S6	80-100 oct. FEE for lgts. Lgts on req.
Cle Elum (Wash)	2.4 E;hwy S	1930	25 S4	80 oct.
Coastway Sch. of Aero.(Tillamook)	1.4 E	55	29 S6	80 oct. Ctn when wet. (Ore)
(P) Corvallis (Ore)	4.9 SSW;RR E	235	52h S6	80,91 oct.
Corvallis Junction (Ore)	1.3 NNE;RR W	240	20 S6	80 oct.
County-City (Port Townsend,Wash)	5 SSW;hwy ESE	110	33 S6	80,91 oct. P-line WNW;trees ESE. ARPT OF ENTRY
(N) Coupeville OLF (Wash) (N)	2 SE	193	54h	CLOSED.
Dallas (Ore)	1.2 N;RR S	372	23 S2	80 oct. ENE,WSW blkd.
*Easton Int,5B,SA-HL (Wash)	1.7 NNW;RR SW	2221	30 L2	Trees,mtns WNW.
ELLENSBURG Range (Wash)	385(EB)(vhf)	270°,2.0	SBMRAZ-DTV	(4); 116.1,122.1 (Bowers)
Elma (Wash)	0.8 S;rd W;riv S	60	26	P-line W
→EUGENE Range (Ore)(Mahlon Sweet)	251(EU)(vhf)	150°,4.5	SBRAZ-DTV	(4); 116.1,122.1 (ILS)
Eugene Airpark (Ore)	1.6 SW;rd W	420	28 S6	80,91 oct. Trees NNW.
EVERETT Range (Wash)(Paine)	224(MI)(vhf)	330°,3.1	BMRLZ-DTV	(4); 116.1, 122.1
Everett (Wash)	3.5 NNE;riv N	15	21 S2	80 oct. P-line W. Ctn winter
(P) Fancher (Wenatchee,Wash)	2.5 NE;hwy S	1440	33h L5 S6	80,91 oct. Fld lgts prior req.
Forks (Wash) (NC)	1 SW;rd S	286	23 S1	80 oct. Trees P-line SE. ENE,WSW. HAZARDOUS.
Goldendale (Wash) (NC)	0.6 SE;RR W	1600	20	P-line E,SE. Ditch ctr. HAZ-
Harrisburg (Ore)	2 NNE;RR E,W	300	25 S1	80 oct. ARDOUS.
Hood River (Ore)	2.5 S;riv E	605	19 S1	80 oct. Soft when wet. Brush E
Ilwaco (Wash)	1.5 ENE;bay S	8	20 S2	80 oct.
Intercity,USFS (Winthrop,Wash)	4 SSE;riv SW	1650	32 S1	80,91 oct. Mtns SE.
Kelso,61A,SF-SA (Wash)	1.4 S;RR SW	25	29 L3 S6	80 oct.
Kenmore (Bothell, Wash.) (NC)	2.3 NW;rd E	420	17	12-14' brush NNE,SSW.
Langmack (Sweet Home, Ore)	2 E;RR N	550	32 S2	80 oct. E blkd. Trees W.
Lebanon (Ore)	1.3 SW;RR E	340	36 S6	80 oct.
(P) Madras (Ore)	2 NNW;RR SE	2420	74h	
[Mahlon Sweet] (Eugene, Ore)	8 NW;RR NE	365	52h L6	
Marysville Bay Meadows Arpk. (Marysville, Wash)	2 N;rd W	60	13	Very dangerous appchs.
(N) Mason Co. (Wash)	2.5 NW;hwy ENE	278	52h L S6	Twr NW. No Navy facs. Lgts
→McCHORD Army Range (Wash)	272 (DTA)	26°, 1.7	BMRLZ	(Tacoma) prior req.
McMinnville (Ore)	3.1 ESE;hwy N	156	50h S6	80 oct. Trees SW.
(P) [McNary] (Salem, Ore)	2.2 SSE;RR SW	207	55h L5 S6	80,91 oct.
(P) [Moon Island] (Aberdeen,Wash)	6 W;harb.N,S	14	50h L5 S6	80,91 oct.
Mossyrock (Wash)	1 W; hwy SW	613	19 S1	80,91 oct.
MT.VERNON OLF Tower (Wash)	3295(126.18,142.74)		CN	3105,4495;126.18,142.74 (24 hrs.adv notice only)
(N) Mt.Vernon OLF (Wash) (N)	5 NW;RR S	146	53h	P-line N. CLOSED.
NEAH BAY Range (Wash)	362 (KQ)		SRAWZ	
(P) Newport (Ore)	4 S;ocean W	160	51h L5 S4	80 oct. Lgts on req.
Ocean Park Sky Port (Wash)	0.5 S;hwy W	10	21	P-line S. (Klipsan Beach)
Olympia (Wash)	4.5 S;hwy E	190	50h S4	80 oct. Trees W.
Orcas Island (East Sound,Wash)	0.7 N;hwy E	25	24 S2	80,91 oct.
(P) Paine (Everett, Wash)	6.5 SW;hwy NE	602	65h L5 S6	80 oct. Fld lgts prior req.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Pangborn (Wenatchee, Wash)	5.3 ESE;hwy S	1246	46h L5	Ctc lgts prior req. Mtns N,E
Pasayten,USFS (Winthrop,Wash)	38 NW;riv E	4250	28	Use in emerg. only. Clsd to
PORT ANGELES CGAS Twr.(Wash)	3295 (142.74)		CN	3105,4495; public (NC) 142.74 (8-1630)
(CG) Port Angeles CGAS (Wash)(CG)	2 NNE	13	45h L5 S1	91,100 oct. Lgts prior req.
PORTLAND Range (Ore)	332(PD)(vhf)	168°,3.1	SBRAZ-DTV	(3); 116.1, 122.1
Prineville (Ore)	2.9 SW;hwy SE	3237	37 S6	80 oct.
Quillayute (Wash)	0.7 NNW	195	50h	8 mi. W of Forks.
Ray Adams (Monmouth,Ore)	2.2 NNW;RR E	195	23 S1	80 oct. Cattle on fld.
REDMOND Range (Ore)(Roberts)	368(RG)(116.1)	101°, 4.3	SBRAZ-DTV	(4); 116.1
(P) [Roberts] (Redmond, Ore)	1.5 SE;hwy N	3075	70h L5 S6	80,91 oct. No bcn. Lgts on req
Santiam Jct.Flgt Strip(Idanha,Ore) (NC)	21.5 SSE;hwys N	4000	30	Trees W,E. Steep down grade to W. Hill E end W appch.
Seaside (Ore)	1.5 NE;RR W	6	17 S4	80 oct.
SEATTLE Range (Wash)(King Co)	260(SA)(116.1)	296°,2.8	SBRAZ-DTXV	(3); 116.1, 122.1
Sisters (Ore)	1 NE;hwy S	3198	37	PRIV. Trees NE,E. W blkd.
Skagit Val'y Air Svc.(Burlington)	0.7 S;RR E	35	20 S1	80 oct. Pwrline S. Use strips.
Sky Acres (Brooks, Ore)	1.6 NE;RR W	180	20 S1	Ltd 80 oct. (Wash)
Snohomish (Wash)	0.9 SW;RR N	16	30h S6	80,91 oct. Rnwy data unver.
Snoqualmie Pass(No.Bend,Wash)	3.5 ESE;hwy S	660	19	Trees WNW, Poles ESE. ESE. (NC)
Springfield (Ore)	1.6 ENE;hwy 0.5 S	460	20 S1	80 oct. Ctn-wet weather. P-
Summit (Montesano,Wash)	2.9 W;hwy S	190	22 S1	80 oct. line E.
THE DALLES Range (Ore)	230(ND)(116.1)	251°,2.8	SBRAZ-DTV	(4); 116.1
(P) The Dalles (Ore)	1.7 NE	239	51h L5 S6	80,91 oct.
TILLAMOOK Navy Range (Ore)	520 (NFS)	123°,2.5	BMRLZ	3105,4495. Manned 8-sunset
TILLAMOOK NAS Tower (Ore)	278 (142.74)		CN	(3);142.74(8-sunset, later on
(N) Tillamook NAS (Ore) (N)	3 SE;riv N	35	50h L5 S4	91 oct. Used by LTA,HTA. req
TOLEDO Range (Wash) (Int.)	239(GL)(vhf)	235°,2.8	BMRLZ-DTV	(4); 116.1, 122.1
Toledo-Winlock Int,63B,SF-SA	3 NE;hwy W	371	51h L3 S2	80,91 oct. (Wash)
Toppenish (Wash)	3.2 SSW;hwy E	835	32 S3	80 oct.
Twisp (Wash)	1.9 SE;riv S	1620	19 S1	80 oct. Hills NNW.
Vernonia (Ore) (NC)	2.4 WSW;riv S	620	29	Obsts sur fld.
Vision (Longview,Wash)	6.2 NNE;riv N,E	20	31 S1	80,91 oct. NW blkd. Use ctn.
Wasco (Ore)	0.4 E;RR SW	1420	18 S1	Ltd 80 oct.
Westport (Wash) (NC)	0.5 N;harb. E	5	18 S1	80 oct. P-lines NW. Ctn.
WHIDBEY ISL.Navy Range(Wash)	353 (NUW)	303°,3.3	BMRLZ	(3)
WHIDBEY ISL.NAS Tower (Wash)	278 (142.74,126.18)		CN (GCA)	(3):142.74,126.18. Tr.& gds 116.1,140.58 on req.
(N) Whidbey Island NAS (Wash)(N)	3 NW Oak Harb.	17	70h (L6) S2	91,100 oct.
WHIDBEY ISL.NAS Navy MH Fac.	522 (K)		MH	(4) cont. (Wash)
WHIDBEY ISL.NAS Seapl.Tower	2870(142.74)		CN	(3): 3155,142.74 (24 hrs. advance notice).
Whidbey Isl.(San de Fuca,Wash)	1.0 N;bay S	185	16 S1	80,91 oct. Trees N.
Willamette Arpk.(Eugene,Ore)	4.8 W;hwy S	420	25 S6	80,91 oct.
YAKIMA Range (Wash)	320(YA)(vhf)	267°,4.7	BMRLZ-DTV	(3); 116.1, 122.1
YAKIMA CO. Tower (Wash)	278 (118.5)		AC	(4); 118.5,122.5,142.74
[Yakima Co.] (Wash)	2.8 SSW	1058	50h L5 S6	80,91,100 oct. P-line S.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

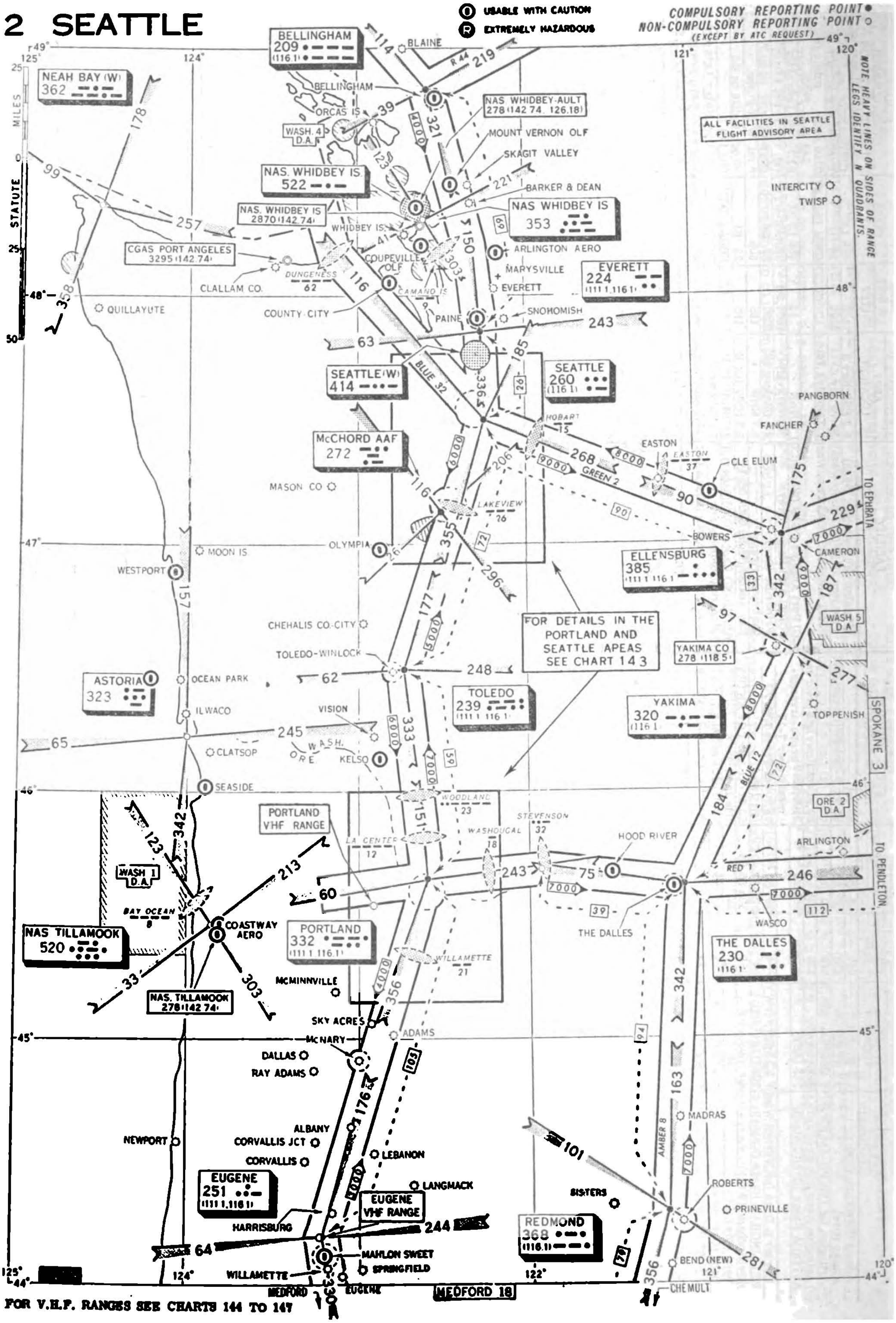
LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
MAHLON SWEET (L6)	109.9	333.8	159°	MM- ·– ·– ·– (0.63)	OM- – – (4.5)
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: H - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

2 SEATTLE


USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.
ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA
MILES
STATUTE
BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS WHIDBEY-AULT 278 (142.74, 126.18)
NAS. WHIDBEY IS. 522
NAS WHIDBEY IS 2870 (142.74)
NAS WHIDBEY IS 353
CGAS PORT ANGELES 3295 (142.74)
EVERETT 224 (111.1, 116.1)
SEATTLE (W) 414
SEATTLE 260 (116.1)
McCHORD AAF 272
ELLENSBURG 385 (111.1 116.1)
ASTORIA 323
PORTLAND 332 (111.1 116.1)
NAS TILLAMOOK 520
NAS. TILLAMOOK 278 (142.74)
TOLEDO 239 (111.1 116.1)
YAKIMA 320 (116.1)
EUGENE 251 (111.1, 116.1)
REDMOND 368 (116.1)
THE DALLES 230 (116.1)
MEDFORD 18
FOR DETAILS IN THE PORTLAND AND SEATTLE APEAS SEE CHART 143
FOR V.H.F. RANGES SEE CHARTS 144 TO 147

SPOKANE 3

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

E EXTREMELY HAZARDOUS U USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS INDICATE 5 QUADRANTS.

DOROTHY SCOTT
U TONASKET
O OKANOGAN No 1
O OKANOGAN LEGION
MAFLOTTI
RIVERVIEW
ANDERSON
O CHELAN
EPHRATA 269 (111 1 116 1)
DAVENPORT
WILBUR
COULEE CITY
HARRINGTON
EPHRATA
MOSES LAKE AAF
RITZVILLE
LIND
WASH 5 D A
WASH 8 D A
CONNELL
SUNNYSIDE
RICHLAND
PROSSER
PASCO
VISTA
TWIN CITY
PENDLETON 278 (118 7)
PENDLETON
HERMISTON
BOARDMAN
LEXINGTON
PENDLETON 341 (111 1, 116 1)
TO THE DALLES
SEATTLE 2
BAKER 221 (111 1, 116 1)
JOHN DAY
ELKO 19
COLVILLE
NEWPORT
HAFER'S
DEER PARK
SPOKANE 365 (111 1, 116 1)
CALKINS AIR TERMINAL
SPOKANE AAF 248 (126.1)
FELTS 278 (118.5)
GEIGER AAF
SPRAGUE
HARRINGTON
SAVAGE
ARMSTRONG'S
LE MEN
MANITO
ROSALIA
LA CROSSE
WASHTUCNA
TOUCHET VALLEY
WALLA WALLA AAF
SKY RANCH
OREGON SKY RANCH
PENDLETON AWYS SER
LA GRANDE 329 (116 1)
LA GRANDE
ENTERPPISE
JOSEPH
ASOTIN CO
LEWISTON
WALLA WALLA 212 (116 1)
PULLMAN-MOSCOW REGIONAL
BAKER
ONTARIO
On request
ONTARIO 305 (116.1)
PAYETTE
WEISER
WASH.
ORE.
IDAHO
MONT.
WASH.
IDAHO
IDAHO
MONT.
EUREKA
LIBBY
SANDPOINT
COEUR D'ALENE 347 (116.1)
COEUR D ALENE AIR TERMINAL
THOMPSON FALLS
WEEKS
KELLOGG
ST MARIES
TEKOA FLY CLUB
MULLAN PASS 206 (116.1)
OROFINO
CRAIGMONT
KAMIAH
IDAHO CO.
NEW MEADOWS
McCALL
CASCADE
STATUTE MILES
TO SPOKANE
GREAT FALLS 6
SEATTLE
SALT LAKE CITY
SEATTLE
GREAT FALLS
SEATTLE
SALT LAKE CITY
ELKO
BOISE 350

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
→ COEUR D'ALENE (Air Term.)	347(KO)(116.1)	BMRLZ-DTV;321°,5.2	(4);116.1,122.1
PAYETTE FM	(- - - - -)	FM; 301°, 49	Boise.
MONTANA			
MULLAN PASS	206(MN)(116.1)	BMRLZ-DTV	(4);116.1
OREGON			
BAKER	221(BK)(vhf)	SBRAZ-DTV;116°,1.8	(4);116.1,122.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329(IU)(116.1)	MHTV	(4);116.1,122.1
LA GRANDE FM	(- - - -)	FM; 300°,38	Baker
ONTARIO	306(OO)(116.1)	MHV	(4);116.1,122.1
PENDLETON	341(PO)(vhf)	SBRAZ-DTV	(3);116.1 122.1
Pendleton Arpt.	278 (118.7)	C; 247°, 1.9	(4);122.5,118.7
WASHINGTON			
EPHRATA	269(EP)(vhf)	BMRLZ-DTV;336°,4.0	(4);116.1,122.1
FELTS (Spokane)	278 (118.5)	AC;331°,1.2	(4);118.5,126.18,122.5
HARRINGTON FM	(- - - -)	FM; 236°, 45.3	Spokane
SPOKANE (Felts)	365(SM)(vhf)	SBRAZ-DTV	(3);116.1,122.1
SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
→ WALLA WALLA	212 (WL)(116.1)	SBMRLZ-DTV;182°,3.6	(4);116.1,122.1
Walla Walla AAF			DECOMMISSIONED

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Signal, Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cascade	1 E;riv SW	4765	29 S2	80 oct. Pole line NW.
Cayuse Creek, USFS (NC)	40 ENE Pierce	3770	20	
Chamberlain, USFS (Dixie)(NC)	17.6 SE	5765	32 S1	73 oct. Maint. May to Nov.
(P) Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S6	80,91 oct. 2-50' poles S.
Dixie, USFS (NC)	4 SW; creek E	5200	28	Obst N,E,S.
(P) Idaho Co. (Grangeville)	0.9 N;dam S	3295	44 S4	80 oct. 20' pole line W.
Kamiah	0.6 SE;riv E	1194	32 S1	80 oct. Trees SSE.
★ Kellogg Int, 29B, SA-HL	0.8 NW;riv N	2300	38 L3 S4	80 oct.
Landmark, USFS (Knox) (NC)	1.7 SSE	6680	23	ESE bkd, hills SSW.
(P) Lewiston	2 S;riv NW	1426	50h L1	Port rnwy lgts.
McCall	1 S, RR W	5021	23 S6	80 oct. P-line NE.
Orofino	1,3 NW;riv NE	1000	24 S6	80 oct. Ctn, Mtns ESE.
Payette	2 NE;RR W	2200	35 S6	Road crosses fld SE. No sto.
Priest River (NC)	0,9 NNW, RR S	2165	25	Trees E; hill W.
St. Maries	1,2 NW;riv S	2132	23 S2	76 oct.
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct. No sto. Pole line W.
Tekoa Flying Club (Tensed)	5 NNW, crk N	2650	16 S2	80 oct.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
Weiser	2,8 S, riv W	2120	34 S6	80 oct.

MONTANA

Eureka	2.7 NNW, RR N	2680	27 S1	80 oct.
Libby, USFS	1 NE;riv S, E, W	2090	30 S1	80 oct.
Thompson Falls	3,2 ESE, RR N	2460	25 S1	80 oct. Mtns E,S.

OREGON

(P) Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80,91 oct. No sto.
Boardman Flight Strip	5.6 WSW, RR N	378	42h	

h-hard surfaced runways R-radio facilities L-lighting facilities. S-servicing. (See page XIII) NC-(not charted) → NEW OR REVISED DATA

OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Enterprise	1.4 WNW;RR SW	3750	34	Hwy SW.
Hermiston	1.7 SE;hwy W	635	25 S2	80 oct. P-line ENE.
(P) Joseph	1.2 W;RR E	4150	33 S2	80 oct.
(P) La Grande	5.5 ESE, RR SW	2713	47h R1 L2 S6	80 oct.
Lexington	0.7 N;hwy E	1650	30 S1	80 oct. RR SW
(P) Ontario	2,5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oregon Sky Ranch (Milton)	3.7 SSW, RR E	1300	20 S6	73,80 oct.
(P) PENDLETON	2.9 WNW;RR 1 S	1492	63h R2 L5 S6	80,91 oct. Fld lgts on req.
Pendleton Airways Inc. (Pendleton)	3.8 ESE, RR N	1200	37 S6	80,91 oct Pole line E.
Pilot Rock	0,8 E, hwy N			ABANDONED.

WASHINGTON

Anderson (Pateros)	1.6 SSW;hwy E	1100	16 S1	80 oct. Mtn W.
Asotin County (Clarkston)	0.5 N;riv N	760	33 L4 S6	80,91 oct. Lgts prior req. Mtns W.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct. Trees 200' W.
(P) Chelan	4.7 NE;riv SE	1250	26	Hills N,S,SW. Caution.
Colville	0,8 E;hwy NW	1875	27 S1	80 oct.
(P) Connell	1.2 SSW, RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW, hwy S	2425	28 S1	80 oct. Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
(P) Dorothy Scott (Oroville)	3 NNE; lake W	1290	29 S2	80 oct. 2000' mtn S.
(A) Ephrata	2 SE, hwy NW	1273	73h R1 S6	80 oct. ARMY TMP INACT. CIVIL FACS.
Fairweather (Republic) (NC)	0.8 S;riv E	2500	20	Trees N,S.
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91 oct. ARPT OF ENTRY.
(A) Geiger (Spokane) (A)	6.5 SW;hwy N	2372	82h	TMP INACT NO FACS
Hafer's Ranch (Chewelah)	3.6 SSW;RR E			ABANDONED.
* Harrington Int, 19, SA-HL	1 NNW;hwy E	2305	32 L3	
"JZ" (Almira)	1 NNW;RR SW	1950	21	
La Crosse, 28B, PD-SM	2.5 SW;RR NW	1459	37 L3 S1	80 oct. RR E.
Lemen Airpark (Opportunity)	3 SE; lake N	2040	32 S4	80 oct. No sto. Pole line NNE.
(P) Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Place)	1.5 WSW, RR N	750	24 S6	80,91 oct. No sto. Trees ENE.
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	TMP INACT NO FACS
Newport	1 W;riv NE	2150	29 S6	No fuel. Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	25 S6	80 oct.
Okanogan Flight Strip (Omak)	4 N;hwy E	1298	47h S1	80 oct.
Pasco	2,8 NNW, RR E	402	47h	CLOSED.
(P) Prosser	1.4 NW;riv S	685	40 S6	80,91 oct. Trees W. Poles NE.
(P) Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct
Richland	1.3 SSE, riv NE	365	23 S1	80 oct. Riv SE.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct. Pwrline, bldgs NE.
Rosalia	2.6 W	2180	26 S1	80 oct. Hill NE.
Savage (Cheney)	0.7 WSW;RR SE	2400	24 S1	80 oct.
Sky Ranch (College Place)	1 E;mtn S	800	30 S6	80,91 oct. WSW bkd.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct. JP-1. No sto.
Sprague	0.7 NE;RR S	2000	21	
Sullivan Lake (Metaline Falls)	4 ESE; lake S	2590	21	Road crosses fld-caution. (NC)
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonaskot	1.9 NNW;riv E	1250	41 S1	80 oct. Pwr line SSW. P-line SSE.
Touchet Valley (Huntsville)	0.5 NE;RR S	1400	19 S4	80 oct. Trees, poleline WSW.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
Vista (Kennewick)	4.5 W;rivs NW	516	35h L S6	80,91 oct. Emerg lgts on prior req.
Wallace (Mead) (NC)	2 W;RR E	1935	26	40' trees NE.
(A) WALLA WALLA AAF (A)	3 NE;hwy S	1205	72h R1	CLOSED.
Washtucna	1 S;RR SE, NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct. Pole line NE.

NEW AIRPORTS

Craigmont, (Idaho)	Adi NW;RR SW	3668	20 S2	80 oct. P-line E.
Manito Arpk (Spokane, Wash)	5 SSE	2450	21	P-line NE; trees SW Data unver.
New Meadows (Idaho)	0.5 N;hwy jct SE		26	Unusable in wet weather.
Armstrong's Ranch (Harrington, Wash.)	3 ESE	2220	25 S2	Data unver.
Maflott (Wash.)	1 N;riv S	1100	27 S1	80 oct. Soft when wet.
Riverview (Brewster-Pateros, Wash)	2.6 WSW;hwy SE	1070	21 S1	80 oct. Pwr line SE, hill WSW.
John Day (Ore)	0.6 W;riv N	3075	19 S2	80 oct.

GREAT FALLS

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388(DZ)(vhf)	SBRAZ-DTV;332°,1.7	(4);116.1,122.1
[redacted]			
ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL) (116.1)	SBMRAZ-DTV,319°,0.8	(4):116.1
BUTTE	233(BT)(vhf)	BMRLZ-DTV;99°,16.1	(4);116.1,122.1
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV) (116.1)	SBRAZ-DTV;327°,3.1	(4); 116.1
DILLON (Int.)	379(DE)(116.1)	BMRLZ-DTV;167°,2.0	(4);116.1
DRUMMOND	296 (DR)(116.1)	SBMRAZ-DTV, 185°,1.3	(4);116.1
GREAT FALLS	317(GT)(116.1)	SBRAZ-DTV	(3);116.1
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.5	(4);126.18,122.5,118.7
GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371(HL)(vhf)	SBMRAZ-DTV252°,1.9	(4):116.1,122.1
Helena Airport	278(118.9)	C	(4);118.9,122.5
HOMESTAKE FM	(- -)	FM, 99°, 21	Butte
LIVINGSTON (Int.)	224(LT)(116.1)	SBMRAZ-DTV;247°,2	(4);116.1
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308(MX)(vhf)	SMRAZ-DTV; 120°, 1.5	(4);116.1,122.1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254(SP)(116.1)	BMRLZ-DTV;275°,0.1	(4);116.1,122.1
WHITEHALL (Int.)	284(WW)(116.1)	SBRAZ-DTV;183°,2.3	(4);116.1
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs (NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
(P) Challis	1.2 NNE;hwy E	5000	34 S1	80 oct.
Dubois, 23,S1-GT	0.8 SSE	5123	48 R1 L3	30' pole W.
Flying R (Lake)	2.8 SE;hwys SE,S	6630	34	Mtns ENE.
Moose Creek,USFS (Red Riv,Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld. (NC) Closed to Public
Salmon	4 S;riv W	4045	S1	80 oct,Mtns NE.
[redacted]				
Basin Creek (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4900	21	Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	24 NE Seeley Lake	4650	22	Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	26 SE Swan Lake.	4200	22	Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25 S1	(NC) 80 oct.Rough
(P) BUTTE	4 S;RR W,N	5553	56h R1 L5 S6	80,91 oct.
Chester	1.5 WNW; RR S	3150	44	
(P) Choteau	1.2 NNE;hwy S,E	3810	39 S6	80 oct.
Condon (Flathead Nat'l Forest)(NC)	19 E of Ronan	3690	27	
Conrad	1.1 W; creek S	3530	32 S2	80 oct.
(P) CUT BANK	3 SW;riv I E	3900	87h R1 L5 S6	80 oct. ARPT OF ENTRY.
(P) Deer Lodge	1.5 W;RR E	4700	38 L1 S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6114	70h L3	
★ Dillon Int,32, SL-GT	4.6 ENE;riv 2 W	5238	38 R1 L3 S1	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int.44B. SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	P-lines S.
(P) Flathead Co.(Kalispell)	7.4 NNE;RR E	2960	47h L2 S4	80 oct.All lgts prior req.
Fort Benton	1.3 NE;RR S	2870	27 S2	80 oct.Poles NW.Soft when wet.
(P) Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80,91 oct.
Gates Park,USFS(NC)	35.8 W Choteau.	5400	26	Sur by mtns.Closed to public.
Geraldine Mun.	0.5 S;RR N,E	3200	17 S1	80 oct.Rough.
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
(P) GREAT FALLS	3 WSW; RR E	3669	70h R2 L5 S6	80,91 oct. ARPT.OP ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3485	89h R1 L5 S6	73.91.100 oct.JP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3186	38 L4 S6	80,91 oct. All lgts prior req.
Hamilton	1.3 ENE;hwy W	3640	35 S6	80 oct.
(P) HELENA	2.5 ENE;hwy W	3882	55h R2 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	37 E Ronan	4575	20	Sur by mtns.Closed to public.
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.W,NW blkd.
Livingston	6 ENE;RR N	4656	62 S2	80,91 oct.
10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3 S4	80 oct.Poles S.
Meadow Creek (Flathead Nat'l Forest)	21 ESE Swan Lake	4000	22	(NC)
(P) MISSOULA COUNTY	5.3 WNW;RR N	3200	71h R1 L5 S2	80,91 oct.No flood lgts.
Plains	1.3 NNW; RR NE	2465	32 S4	80 oct. Poles N,E.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	21 S1	80 oct.Ski-equipped acft only. Nov. thru April.
Rainbow Skyport (Gregson)	1 N;RR E,S	5030	40 S1	80 oct.NE,SW,NW blkd.
Schafer (Flathead Nat'l Forest)(NC)	17 SSE Summit	4855	24	Sur by mtns.
Seeley Lake (NC)	4.5 NW	4150	20	Trees NW.
Sheridan	0.6 SE	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat'l Forest)(NC)	14 ENE Swan Lake; riv E	3800	22	Sur by mtns.
Stevensville	2 ENE;riv 2 W	3620	30	80 oct.
★ Superior Int,36B,SA-HL	1 S;RR S,riv NE	2700	35 R1 L2 S1	Ltd 80 oct.Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L3 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	37 S1	80 oct.
(P) Valier	0.6 S;lake S,W	3820	35 S1	Ltd 80 oct.Ctn when wet.
(P) West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld. Scheduled air line summer mo. only.
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.

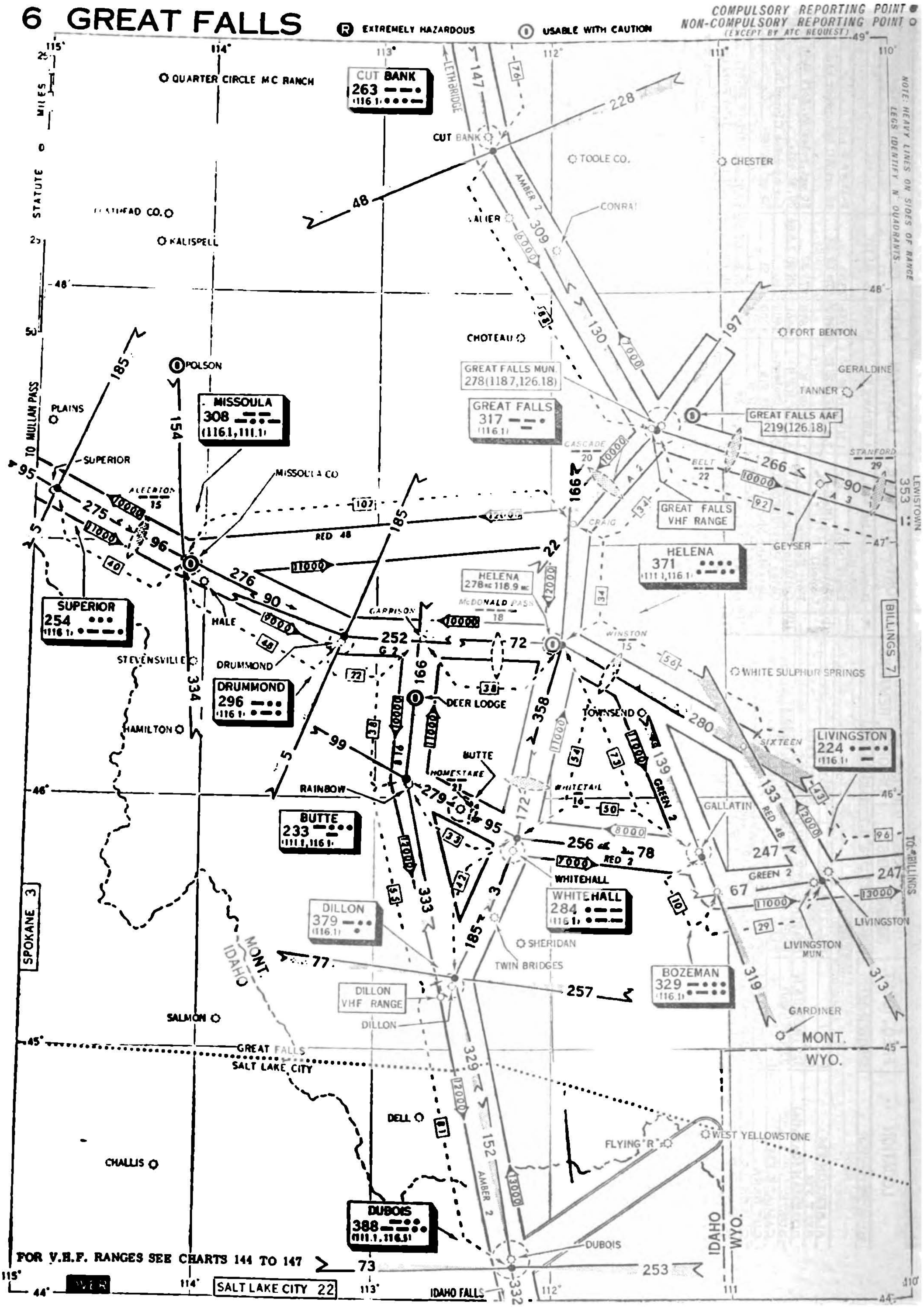
NEW AIRPORTS

Gardiner, Mont.	1 NNW;RR S	6200	22	

6 GREAT FALLS

R EXTREMELY HAZARDOUS I USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)



BILLINGS 7

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
I: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'A' QUADRANTS.

110° 109° 108° 107° 106° 30' 105° 25'

STATUTE MILES 0 25 50

49°
48°
47°
46°
45°

CHINOOK
HAVRE CITY CO
HARLEM
MALTA AIRPK.
ETCHART
VALLEY CO.
SCOBEY
GUSTAFSON ANDERSON
WOLF POINT
FORT PECK
VINE
CIRCLE
JORDAN
DENTON
LEWISTOWN
FOREST GROVE
MOORE
LEWISTOWN 353 (116 1)
HARLOWTON
ROUNDUP
BILLINGS 400 (116 1)
LAVINA
CUSTER
CUSTER (W) 215
MILES CITY
MILDRED
FORSYTH
MILES CITY 320 (116 1)
NYE 25
RAPELJE
BILLINGS 278 (118.7)
BIG TIMBER
COLUMBUS (R)
PARK CITY 21
BILLINGS 6
ZELMA
BIG HORN CO
BRIDGER
RED LODGE
ST XAVIER
BOXES BROS RANCH
SHERIDAN 239 (116 1)
SHERIDAN CO.
SHERIDAN 2
UCROSS 17
DENVER
COWLEY-LOVELL-BYRON
LOVELL
POWELL
CODY
GREYBULL
BASIN
BUFFALO
GILLETTE MUN
GILLETTE ARPK.
MEETEETSE
ROCK SPRINGS 23
CASPER 269
TO WRIGHT
TO DICKINSON
TO GREAT FALLS
GREAT FALLS SALT LAKE CITY
MINNEAPOLIS GREAT FALLS
MONT.
WYO.

GREAT FALLS 6
BISMARCK 10
LIVINGSTON 224
AMBER 3
RED 2

197 90 17 270 146 145 142 238 60 240 250 229 67 247 325 326 208 118 28 298 159

9000 7000 6000 5000 4000 3000 12000 10000

93 87 89 76 153 96 55 105 101 135

RADIO — MONTANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	**400(BI)(116.1)**	**SBRAZ-DTXV**	(3);116.1
Billings Airport	**278 (118.7)**	**AC(ILS-W);247°,1.3**	(4);118.7,126.18,122.5
BILLINGS LFM	**(- - -)**	**LFM, 247°, 6**	Billings
CUSTER (Int.)	**215(CU)**	**MRLWZ;230°, 2**	
LEWISTOWN	**353(IT)(116.1)**	**SBRAZ-DTV,90°,2.9**	(4); 116.1
MILES CITY	**320(MY)(116.1)**	**SBMRAZ-DTV,58°, 2.1**	(4); 116.1
NIBBE FM	**(-)**	**FM, 490°, 25.4**	Billings
PARK CITY FM	**(. . - - -)**	**FM, 247°, 21**	Billings
WYOMING			
SHERIDAN LFM	(- -)	LFM,118°,2.3	Sheridan
SHERIDAN	239 (ZY)(116.1	SBRAZ-DTV;298°,1.6	(4);116.1,122.1
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BILLINGS	**110.3**	**335**	**253°**	IM-	MM- ·-·-(0.6)	OM- --(4.3)
					MMK-	OMK- 251 -···
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. +- Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Big Horn Co. (Hardin)	2.3 ESE,riv W	3000	31 S1	(NC) 80 oct.
* **Bigtimber Int,** 13A, **HL-**Twin Cities	2.5 SSW;riv 1.2 E	4450	43 L3	
(P) BILLINGS	2.5 NW,RR S	3612	57h R3 L6 S6	80,91,100 oct.
(P) Bones Bros.Ranch (Birney)	2 ESE,crk W	3500	29 S2	No fuel. ROUGH
(P) Chinook	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21 S1	80 oct.
(P) Columbus	1 ESE,RR N	3575	50 S1	80 oct.Poles W,E,NW.
* Custer Int,25,HL-Twin Cities	2.3 E;hwy N	2868	44 L3	Poles NNW.
Denton	2.2 SSW;hwy S	3850	26 S2	80 oct.
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct.Trees SE,E.
Forsythe, 30 HL-Twin Cities	3 ENE;hwys S	2722	30 L3 S1	73 oct.Allway fld.
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct, P-line N,S,WSW
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct.Poleline E.
Harlem	2.3 NNE;RR S	2560	24 S2	80,91 oct.ESE blocked.
(P) Harlowton	2 WNW,riv S	4400	29 S2	73 oct.

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Havre-City-County	4 WSW;RR 1 N	2589	48h S6	80 oct.ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
(P) Jordan	1.8 WNW,rd S	2637	40 S1	80 oct. Road W.
* Lavina Int,44B, CX-GT	1 WNW,RR S	3496	49 L3	lgts on req.
(P) LEWISTOWN	2.5 SW,RRNW	4177	90h R1 L5 S4	80,91 oct.No flood lgts.Rnwy
(P) Malta Airpark	0.8 SW,RR N	2270	31 S1	80 oct.Shrubs NW
* Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L3	
(P) MILES CITY	2.5 NW;hwy N	2628	56h R1 L5 S6	73,91,100 oct.Fld lgts prior req.
Poplar (NC)	0.8 N,RR S	1970	28	
(P) Rapelje	1 SE;lk NE	4030	38	
(P) Red Lodge	0.5 WNW	5600	29	ROUGH. Road N.
(P) Roundup	1.9 N;hwy W	3500	37 S2	80 oct.Rough.
* St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W
(P) Scobey	1 NW,RR S	2458	34 S1	80 oct.
(P) Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80,91 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
(P) Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)	2 W,hwy N	3002	18	
WYOMING				
Basin	2.5 NE;riv W	3775	32	Hills S.E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	73 oct.
→ Cody	2 ESE;hwy S	5084	50h S6	80,91 oct. P-line S,SE,SW.
→ Cowley-Lovell-Byron (Cowley)	2 NNE	4050	32	
(P) Gillette	5.2 NNW	4380	36 S4	80 oct.Hwy E.
(P) Grey Bull	2 NW,hwy S	3900	71 S4	73,91 oct.Hill NW
(P) Powell	8 NNW	5054	42	Storage.P-line N,NE.
(P) SHERIDAN COUNTY (Sheridan)	2 SSW,creek N	3961	61h R1 L5 S6	80,91 oct.
NEW AIRPORTS				
Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S4	80 oct.Poles NW.
Moore, (Mont.)	0.5 E;RR NNW	4100	19 S2	80 oct. P-line W.
Lovell (Wyo)	1 SE;hwy W	3850	26 S1	80 oct.
Meeteetse (Wyo)	3.4 SW;riv N	5950	36	P-line SW
Bridger (Mont)	0.3 W;RR S	3675	30 S2	80 oct.S blkd Poles N

RADIO

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-DTV,260°, 2.3	(4); 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-DTV,167° 2.1	(4); 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT(Port O' Minot)	209 (UI)	BMRLZ-DT,301°, 3.3	(4)
SOUTH DAKOTA			
PHILIP (Int.)	206(IL)(116.1)	MHTV	(4);116.1,122.1
PIERRE	347(PX)(116.1)	SBRAZ-DTV;249°, 3.5	(4);116.1,122.1
RAPID CITY	221 (RZ)(116.1)	SBRAZ-DTV	(4);116.1,122.1
Rapid City AAB	396 (126.18)+	CA;345°,5.5	(4); 126.18

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S transmits on and guards 116.1, 137.85, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Baker	0.8 SSE;lk N	2990	35 S2	80 oct. Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct. Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
(P) Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.
NORTH DAKOTA				
Beach	0.8 NNW	2814	30 S2	73 oct. Poles ENE.
(P) BISMARCK	2.4 SSE,RR ENE	1663	51h R1 L5 S6	80,91 oct.
Bowman	1.5 W,RR N	3000	24 S2	80 oct. P-line N.
Chandler(Williston)	3 W,RR SE	1877	31 S6	80 oct. Bldg N.FEE.
(P) Crosby	1 N,RR SW	1962	32 S2	80 oct.
(P) Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3 S1	80,91 oct.
Dunseith (NC)	1.5 S	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct. Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S2	80 oct. Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S1	80 oct. Polelines S.
New England	3NE;hwy W	2666	24 S6	80 oct. P-line W
Parshall	1.2 S;hwy E	1970	22 S1	80 oct. P-line W
(P) PORT O'MINOT (Minot)	1.6 NNE, hwy W	1723	58h R1 L S6	80,91 oct. Port rnwy lgts. Pwr line SW.
Rhame	1.5 SW,	3150	23 S1	80 oct. P-line S,SE,SW
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct. Poleline N,NW.
★ Washburn Int,4,RK-UI	5.1 N,hwy W	1906	40 L3	Pole line W.
(P) Watford City	1.2 ENE,hwy S	1975	31 S1	80 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct. Obsts N,E,S
Worth(Dickinson)	1.8 SW,riv NW	2455	28 S6	80 oct. Hangar NW.
Wright(Williston)	2 NNE	1876	32h S6	80,91 oct. Data unver.
Wyman (Mott)	0.8 S;riv ENE	2495	30 S2	80 oct. P-line W,SE.
SOUTH DAKOTA				
(P) Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	58 S6	73, 91 oct.(Spearfish)
← Geronimo (Rapid City)	4.3 ENE,RR S	3200	28	Not maintained.
Halley(Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
(P) Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct. Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct. Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct. No sto. Poleline N
PIERRE	3.5 NE,riv SE	1742	72h R1 S1	80,91 oct.
(A) Rapid City AAB(A)	8 NE,RR S	3242	83h R2 L5 S4	73,91,100 oct,IP-L
Rushmore(Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.
NORTH DAKOTA				
Hettinger (N.D.)	1 NNW;RR S	2675	32 S2	80 oct. N,NW bldg,P-line NE
Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E. ARPT OF ENTRY.
Bottineau, (N.D.)	1 N;RR W	1645	35 S1	80 oct. E,W,N,SE bldg
Sherwood (N.D.)	2 N;hwy E	1650	26 S2	80 oct. Pole E. Use strips only.
Wright(Williston,N.D.)	3.2 N	1660	32 S6	80,91 oct. P-line S,W. Use strips only.
Harding Co.(Buffalo,S.D.)	0.5 E;riv 0.5 S	2950	21	
McIntosh (S.D.)	1.3 E;lk SW			ABANDONED.
Universal(Bison,S.D.)	0.6 N;bldg 0.5 SE	2600	24 S2	71 oct. Use strips only
Rebenberg (Selby,S.D.)	2 S;hwy W	1790	30 S2	80 oct. Use strips only.
Lemmon (S.D.)	3 SE;hwy 1 N	2518	26 S6	80 oct. Use strips only. P-line SW.
Selfridge (N.D.)	2 SW;RR 2 E	2100	24	

L-Land national runways. R-radio facilities. C-lighting facilities. S-servicing. (See page) (P)-[illegible] (not charted). → New or revised data.

10 BISMARCK

R · EXTREMELY HAZARDOUS U · USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF QUADRANTS IDENTIFY A

105° 104° 103° 102° 101° 100°

49°

CROSBY ○ PORTAL SHERWOOD

25 MILES

STATUTE

PLENTYWOOD ○

BOTTINEAU ○

MOHALL ○

121

211

TOWNER ○ RUGBY ○

PORT O'MINOT

MINOT 209

WRIGHT

CHANDLER ○ WILLISTON

48°

PARSHALL ○
MILLER ○

SIDNEY U

WATFORD CITY ○

31

301

FARGO 11

1000

167

158

100

ILO

WASHBURN ○

BISMARCK U 230 (116.1)

DICKINSON 308 (116.1)

GLENDIVE ○

GLEN ULLIN

47°

BEACH ○ GOLVA

WORTH

MILES CITY 320

6000

69

GREEN 2

256

80

250

238

5000

153

100

99

NEW ENGLAND ○

DICKINSON

BISMARCK

219

AMBER 4

333

BAKER ○

RHAME ○

BOWMAN ○

347

HETTINGER ○

SELFRIDGE ○

46°

MONT

N.D.

S.D.

LEMMON ○

BILLINGS 7

HARDING CO. ○

UNIVERSAL ○

MOBRIDGE ○
RIBENBERG ○

MINNEAPOLIS DENVER

MONT. WYO

S.D.

45°

165

168

BLACK HILLS

NEWELL ○

RUSHMORE

D.A.

RAPID CITY 221 (116.1)

PIERRE 347 (116.1)

GERONIMO

HALLET

RAPID CITY AAB 396 (126.18)

144

69

246

5000

PHILIP

PHILIP 206 (116.1)

PIERRE

348

122

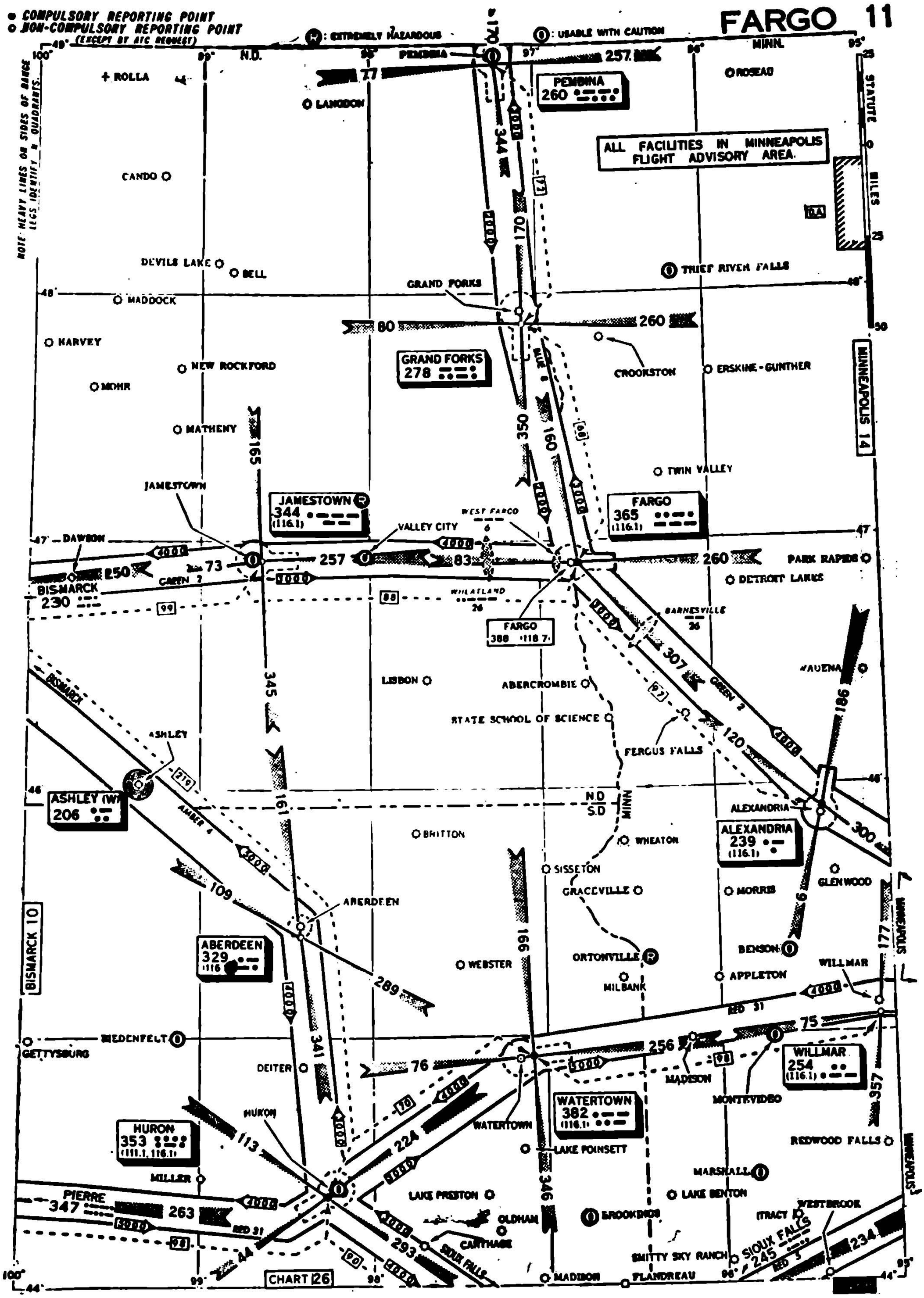
HIGHLIGHT

66

CHART 25

105°

44°


FARGO 11
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 8 QUADRANTS.
N.D.
MINN.
PEMBINA
ROLLA
LANGDON
CANDO
DEVILS LAKE
BELL
ROSEAU
PEMBINA
260
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA.
STATUTE MILES
THIEF RIVER FALLS
GRAND FORKS
MADDOCK
HARVEY
NEW ROCKFORD
MOHR
MATHENY
GRAND FORKS
278
CROOKSTON
ERSKINE - GUNTHER
MINNEAPOLIS 14
TWIN VALLEY
JAMESTOWN
JAMESTOWN
344
(116.1)
VALLEY CITY
WEST FARGO
FARGO
365
(116.1)
DAWSON
BISMARCK
230
PARK RAPIDS
DETROIT LAKES
WHEATLAND
FARGO
388 (118.7)
BARNESVILLE
LISBON
ABERCROMBIE
WAUENA
STATE SCHOOL OF SCIENCE
FERGUS FALLS
ASHLEY
ASHLEY (W)
206
TWIN VALLEY
ALEXANDRIA
ALEXANDRIA
239
(116.1)
BRITTON
WHEATON
SISSETON
GRACEVILLE
MORRIS
GLENWOOD
ABERDEEN
ABERDEEN
329
WEBSTER
ORTONVILLE
MILBANK
BENSON
APPLETON
WILLMAR
MEDENPELT
GETTYSBURG
DEITER
MADISON
MONTEVIDEO
WILLMAR
254
(116.1)
WATERTOWN
382
(116.1)
HURON
HURON
353
(111.1, 116.1)
WATERTOWN
LAKE POINSETT
REDWOOD FALLS
MILLER
PIERRE
347
263
LAKE PRESTON
MARSHALL
LAKE BENTON
OLDHAM
CARTHAGE
BROOKINGS
ITRACT
WESTBROOK
SIOUX FALLS
245
SMITTY SKY RANCH
FLANDREAU
MADISON
CHART 26

RADIO

MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	239(AE)(116.1)	BMLZ-DTV,186°,2	(4); 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
WILLMAR	254(IW)(116.1)	SBMRAZ-DTV,357°,3.3	(4); 116.1

NORTH DAKOTA

ASHLEY (Int.)	206 (AI)	MHW	(Cont.)
FARGO	365(FO)(116.1)	SBRAZ-DTV;263°,0.9	(3); 116.1
Fargo-Hector Arpt	388(118.7)	C	(4);118.7,122.5
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-DTV,253°,1.5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5.5	Fargo.
WHEATLAND FM	(. . - - -)	FM, 260°, 25.5	Fargo.

SOUTH DAKOTA

ABERDEEN	329 (AN)(116.1)	SBRAZ-DTV,341°,2.5	(4);116.1,122.1
HURON	353(HR)(vhf)	BMRLZ-DTV,44°,2.7	(4);116.1,122.1
WATERTOWN	382 (WU)(116.1)	BMRLZ-DTV,256°,2.8	(4);116.1,122.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S6	80,91 oct.No sto.Fld lgts
Appleton	1.9 NNE,riv S	1010	34 S6	80 oct.No sto. on req.
Benson	2.4 NW	1031	22 S2	80 oct. P-line S,SE,SW
Crookston	3 NNW,RR N	875	30 S6	80 oct.No sto.Obst
➔ Detroit Lakes	2.7 W,RR N	1392	35 S6	80 oct.P-line N. sur fld.
Fergus Falls	4.3 W;riv E	1160	20 S6	80 oct.Poleline W
Graceville	0.8 WNW,RR S	1110	18 S1	80 oct.P-line S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct. P-line N,S,W.
(P) Marshall	1.5 W;RR S,E	1167	30 L1 S6	80 oct.P-line S.
Montevideo	2.2 NNE;hwy W	950	25 S1	80,91 oct.P-line NW.
(P) Morris	2.7 WSW,RR N	1134	31 S6	80 oct.P-line NE
Ortonville	1 ESE,hwy S	1090	30 S1	80,91 oct.P-line SE.
Park Rapids	1.7 SSW,RR E	1440	30 S6	80 oct.
Redwood Falls	1.8 NE,riv NE	1025	25 S1	80 oct.Poleline SE,SW.
➔ Thief River Falls	3.6 S, riv W	1110	26 S4	80 oct. Trees NW,W.
Wadena	1 E,RR NW	1300	30 S4	80 oct.No sto.P-line S,NW
Westbrook	1 SE,hwy N	1500	18 S1	80 oct.
Willmar,16,HR-MP	1.5 W,RR E	1130	30 R1 L3 S6	80 oct.P-line E.

NORTH DAKOTA

Abercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.

NEW AIRPORTS

Oldham (S.D.)	1 ESE	1668	25	Use strips only.PolesN.
Gettsburg (S.D.) (S.D)	1.5 S;dams 1 SW	2082	27 S4	80oct.Use strips.Poles S,W
Lake Poinsett(Arlington)	4.3 ESE;lk,hwy E	1680	22 S2	80oct.Use strips.Poles SE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.
(See page XIII) (NC)-not charted ➔ NEW OR REVISED DATA

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2026	40 L3	
Cando	1.1 SW,RR E	1490	28 S4	80 oct. No sto.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	P-line W.
(P) Devils Lake	2.5 W,hwy S	1450	46h L S6	80,91 oct.Port lgts on req.
(NG)FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73,80,91 oct;100 oct,JP-1 (S4) N.G. Army.
(P) GRAND FORKS	2.6 WNW,RR S,E	837	49h R1 L5 S6	80,91 oct.ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	27 S1	80 oct.
(P) Jamestown	1.5 NE,hwy S	1498	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	24 S1	80 oct.P-line N,NW
Lisbon	0.8 SSW	1151	21 S1	73 oct.Polelines N,S.Tank NE.
(P) Matheny (Carrington)	1.3 W,RR N	1580	32 S6	80 oct.No sto.Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct. W,SW,NW
New Rockford	1.5 N, RRW	1533	32 S6	80 oct.No sto.P-lines E,
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct. ARPT. OF ENTRY.
Rolla	1.5 N;hwy E	1850	25 S4	80 oct.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct.Poleline N;pwrline E.
(P) Valley City, 71	1.5 NW,riv NE	1375	38h L1	(HL-Twin Cities)

SOUTH DAKOTA

(P) ABERDEEN	2.9 E,RR N	1299	49h R1 L5 S6	80,91 oct. P-line SE,S.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct.Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Dieter (Redfield)	6 E;RR S	1300	25 S1	80 oct.P-line sur fld exc.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct.Poles sur fld.E,W
(P) Huron	1.3 NNW;RR S	1287	43h R1 L3 S6	73,80,91 oct.P-line W.
Madison	3.7 ENE,hwyS	1688	26 S2	80 oct.Trees W;pole NW
★ Miller,Int,44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW;hwy E	1300	25	Pole line E.Use strips.
WATERTOWN	2 NW,RR NE	1736	49h R1 L5 S6	80, 91 oct.
Webster	3 S;hwy W	1848		Poles NE,W,NW Use ctn
(P) W.W.HOWES(Huron)	See Huron above in alphabetical order - name changed.			

NEW AIRPORTS

Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct..Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct Pwr line SE,NNE.
Britton Mun.,(S.D.)	2 NNE;RR W	1350	24 S1	73 oct.Poles W.
Twin Valley Farm	1 W	1050	24 S1	80 oct. (Minn.)
Maddock, (N.D.)	1 N;hwy W	1650	23	Rough.
Roseau (Minn.)	1.6 NW;hwy S	1040	35 S1	80 oct.Pwr line N,W,NW.
Lake Benton, (Minn.)	7 NNW	1759	20 S1	80 oct.
Glenwood, (Minn.)	3.2 E;hwy N	1400	26 S1	80 oct.Allway fld.N,NE,
Smitty Sky Ranch,	6.5 NNW	1817	22 S1	73 oct. (Minn.) NW blkd.
Dell (Devils Lake,N.D	2 SSE;	1478	30 S6	80 oct. (Minn)
Erskine-Gunther	2 SW;lake E	1150	23 S1	80oct P-line ENE(Erskine,
Lake Preston (S.D.)	1.2 ENE;lk N	1725	18 S2	80oct Stacks E Rough Poles
Wheaton (Minn)	3.0 SW;crk N	996	20 S1	80 oct.
Tracy (Minn)	1.2 NE;hwy S	1338	23 S1	80 oct.

MINNEAPOLIS

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Aitkin Mun. (Minn)	1.7 ENE;riv W	1208	26 S1	80 oct.
Amery (Wis)	3.4 NNW;lk SW	1100	26 S6	80,91 oct.SE blkd.
Anderson (Cocato, Minn)	2.6 ENE;RR S	1020	23 S1	80 oct.Poles S;trees W.
Anoka Flying Service (Minn)	1.2 SE	896	19 S6	73,91 oct.Poles NE;twr SE
Arrowhead (Rice Lake, Wis)	2 SSE;lake S	1190	24 S4	80 oct.Use lndg strips only
Ashland (Wis)	2.5 SSE;RR E	700	19 S2	80 oct.Use strips only.
Barron (Wis)	1.1 ENE;riv W	966	26 S2	80 oct.E blkd.P-line W.
Baudette (Minn)	0.8 NW;riv N	1080	27 S4	80 oct ARPT OF ENTRY
(P)Bemidji (Minn)	3.8 NW;hwy S	1395	57h S6	80, 91 oct.
Bemidji-Port-O-Wilds (Turtle River, Minn)	1.2 NW;lake W	1350	23 S1	80 oct.P-line NE.Use strips only.
Bleick (Fairfax, Minn)	2.5 N	1050	18 S1	80 oct. P-line E.
(P)Bong (Superior, Wis)	2.3 S; RR E	674	33 S6	80 oct.P-line SE.Twr NW
Boyceville (Wis)	0.5 E;RR N	948	21 S2	80 oct.P-line W,N,NE Use
Boyd's Mason Lake(Fifield,Wis)	13 WSW;lk NW	1200	30 S1	80 oct.N,E,W blkd. strips
Brainerd (Minn)	1.3 SSE;hwy W	1210	25 S6	80 oct.
Burnett Co. (Siren, Wis)	2.6 NNE;hwy E	988	39h	Trees SW,NW.RR W.
(A)Camp Ripley (Little Falls,Minn)	7.5 N;riv E	1149	70	Water twrs SE. (A)
(P)Carleton (Stanton, Minn)	0.7 NE;RR W	870	30 S6	80 oct.Flares on req.Obst
Chetek (Wis)	1.5 SE;lake E	1050	22 S2	80 oct.P-line S, SE. Use strips only. sur fld
Chippewa Falls (Wis)	2 S; RR NW	910	26 S6	80 oct.P-line SW,W NW,S
Colby-Abbotsford (Colby,Wis)	1.2 NNW;RR E	1400	26 S4	80 oct.P-line NNE. blkd.
Coleraine (Minn)	0.8 SSE;lk SE	1390	25 S4	80 oct.
Crosby (Minn)	0.5 NE	1266	25 S1	80 oct.P-line SSE.
Cumberland (Wis)	3 SE;lake NE	1175	26 S4	80 oct.N,S blkd.
Dallas (Wis)	0.7 SSE;RR W	1100	26 S2	80 oct. S blkd.
DULUTH Range (Minn)	221 (DH)(116.1)	13°,3.9	SBRAZ-DTV	(4); 116.1
(P)Duluth (Minn)	6.5 NNW;hwy S	1428	57h S6	80,91 oct.Clsd ngts,except airlines.ARPT OF
Eau Claire (Wis)	1.5 SSE;hwy N	884	31 S6	80,91 oct.Obst. ENTRY. sur field.
(P)Eau Claire Mun. (Wis)	3.5 NNE;riv N,W	885	43h	Trees SW.
Eau-Claire Sky Park (Wis)	2.0 SSW;RR W	886	28 S4	80 oct P-line S,SE Trees
Ely (Minn)	1.2 E	1425	24	Trees sur fld SW,NW. Not maintained.
Faribault (Minn)	1.6 S;hwy W			,ABANDONED.
(N)Fleming (So.St.Paul, Minn)	1.8 S;riv NE	822	15h S6	80 oct.Flares prior req.
Flying Cloud (Minneapolis,Minn)	13.8 SW;riv S	900	30 L1 S6	80 oct.P- line S, NE. Rdo rprs.
Gervais (Tofte, Minn)	1.2 NE;hwy S	800	28 S5	80 oct.
Gogebic Co.(Ironwood,Mich)	4.5 NNE;RR S	1246	24 S4	80 oct.Poles S.Soft when
Grand Rapids (Minn.)	1.5 SSE;lk NE	1293	25 S6	80 oct. wet
Grantsburg (Wis)	1.5 NNE;riv S	870	13 S2	80 oct.Trees NE,SW Use
(P)Hayward (Wis)	2 NE;RR NW	1200	30 S4	80,91 oct. strips.
Hector (Minn)	0.7 S;RR N	1100	25 S1	80 oct.P-line W,NW,SW.
Heywood Gull Lake (Nisswa,Minn)	1.7 SSW;lk S	1200	18 S2	80, 91 oct.
(P)Hibbing (Minn)	4.5 SE	1367	40h L4 S6	80,91 oct.Lgts on req.
(P)Hincks (Monticello, Minn)	1.3 NNE;riv SSW	940	44 S6	80 oct.P-lines S,SW.
Holcombe (Wis)	0.5 NNE;riv W	1038	14	P-line NNE;bldgs SSW.
Hudson Flying Service (Wis)	3.8 E;hwy N,W	850	18 S1	80 oct.P-line NE,SW.Ctn.
Hultquist's Sky Ranch (Minong,Wis)	1.9 W;lk W	1180	13 S4	80,91 oct.Trees S,N.
Hutchinson (Minn)	2.5 SSE	1052	28 S1	80 oct.
(P)International Falls (Minn)	2.2 S	1175	30h S4	80 oct. ARPT OF ENTRY.
Jackson Co.(Black River Falls,Wis)	2 E; RR W	855	28 S6	80 oct.P-line W,NW,SW.
← Kentoby (Annandale, Minn)	See Toby under "New Facilities"- name changed.			
Kenyon (Minn)	0.8 S;RR E,N	1240	20 S1	80 oct.P-line N,NE.
(P)Lake City (Frontenac, Minn)	0.5 SE;RR N	775	44 L3 S6	80 oct.
Le Sueur (Minn)	1.1 S;riv W	900	24 S4	80 oct. Rolling.
Litchfield (Minn)	1.2 NE;hwy N,W	1140	24 S2	80 oct.
Littlefork (Minn)	1.8 WNW;riv E	1153	19 S2	80 oct. P-line S.
Mankato (Minn)	1.7 SE;hwy W	996	29 L1 S6	80,91 oct.P-line NE,SE. Flare pots on req.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 S6	80 oct.Flare pots in emer
Menomonie (Wis)	3.2 NE;RR N	2895	26 S1	80 oct.Obst sur fld.
Miller (Garrison, Minn)	1.4 N	1264	22 S1	80 oct.
MINNEAPOLIS Range (Wold Chamberlain (Minn)	266 (MP)(116.1)	298°,3.6	SBRAZ-DTV	(3); 116.1
Neilsville Memorial (Wis)	5.7 W;hwy SW	1000	24 S1	80 oct.Trees sur fld.
New Richmond (Wis)	3.5 ENE;RR S	990	24 S1	80,91 oct Bldg E;trees W.
(P) New Ulm (Minn)	1.8 W;RR N	1000	32 S1	80 oct.P-line N;hwy N.
Northport (White Bear Lake,Minn)	3.2 E;lake W	1000	22 S6	80,91 oct.
(P)Otis Lodge (Grand Rapids,Minn)	7.5 SW;lake S	1293	26 L1 S4	80 oct. Seaplane base S.
Owatonna (Minn)	2.9 NW;hwy E	1143	23 S6	80 oct.
(P)Phillips (Wis)	1.2 N;riv S	1440	30	P-line W,SW.
Pine Beach (Brainerd, Minn)	8.8 WNW;lk N	1250	21 S1	80 oct.P-line NW,W,SE,E.
Pines (Bloomer , Wis)	0.9 E; RR W	1050	16 S2	80 oct.Poles S,W.Rough.
Pleasant Corners (Dodge Ctr,Minn)	2 ESE;RR N,W	1050	13 S1	80 oct.Poles S. W blkd.
← Price Lake (Phillips, Wis)	12.5 WNW	1420	22 S1	80,91 oct.Trees on all but
Princeton (Minn)	1 NNW;riv N	976	21 S4	80 oct.Trees lake appch N, W. Use strips only.
Rainbow (Winter, Wis)	4.2 WSW;riv S	1265	23 S1	80 oct.W appch hazardous.
Red Wing (Minn)	2.5 NE;hwy N,W	790	21 S1	80 oct. Strip rolling.
Rice Lake (Wis)	3.5 NNE;RR W	1150	37 S4	80 oct.Poles sur fld.
River Falls (Wis)	0.5 NW;riv,RR E	885	18 S1	80 oct.P-line N,S;trees E.
Robbinsdale (Minn)	0.8 NW;RR E	879	14 S6	80 oct. Obsts N,S.
Rusk Co. (Ladysmith, Wis)	2.8 SE;RR SE	1150	25 S2	80 oct.Use strips only.
(NG) St. Paul (Minn)	1.5 SE;riv E,N	704	55h L4 S6	80,91 oct. 100 oct. NG.
St. Peter (Minn)	2.4 NNW;riv E	900	20 S4	80 oct. P-line S.
Sand Creek (New Auburn, Wis)	7 WSW;riv E	990	26 S1	80 oct.Trees N. S blkd.
(P) Schlosser (Durand, Wis)	2.4 NNW;riv W	800	32 S2	80 oct. P-line NE.
Sells Fly. Field (Mayer,Minn)(NC)	0.4 SSE	750	12 S6	80 oct.Hill N end. Ctn.
Sky Harbor Lodge (Pine Riv.,Minn)	1 NE;lake NW	1340	26 S1	80 oct.P-line N,S,W.Trees
Sky Haven (Eau Claire , Wis)	5 SW;riv,RR W	940	31 S6	80 oct.P-line S,SW. E
Shell Lake (Wis)	1.2 SE;RR W	1214	29 S1	80 oct.Trees N,NE,S.
Spencer (Wis)	0.5 WSW;hwy N		22 S2	80 oct.Fence S,SW.Data unv
Spooner (Wis)	5 N;lake NW	1072	26 S1	80 oct.Trees S.Use strips.
Springfield (Minn)	0.5 W;hwy N	930	22 S1	80 oct.P-line ENE,E,ESE.
Staples (Minn)	1.5 NNW	1298	32 S1	80 oct.Use strips. WNW.
Taylor County (Medford, Wis)	2 SE;riv NW	1400	21 L S1	80 oct.P-line N.Flares on
Thorp (Wis)	1.4 SSW	1225	20 S1	req.
Thorp City (Wis)	0.6 SSE;RR N	1225	22 S1	80 oct. Hwy N.
Todd (Brainerd, Minn)	1.5 NW;riv SE	1250	26 S1	80 oct.
Union (Iron River, Wis)	2.2 WNW;RR S	1100	19 S1	80,91 oct.E blkd.Use strips
University of Minn. (New Brighton) Minn)	3.8 N;hwy W	909	34 S6	80 oct.Trees E.P-lines W, NW,SW,N.
Victory (Minneapolis, Minn)	9 N; riv E	860	39 S6	80,91 oct.P-line SW.
Virginia (Minn)	2 WSW;bet RRs	1429	35 S4	80,91 oct.P-line N.
Waseca (Minn)	0.5 S;RR NW	1150	39 S2	80 oct. P-line N.
(P)Whitney Mem'l (St. Cloud, Minn)	1.5 NNW;riv E,N	1034	35 L3 S6	73, 80 oct.P-line S.
Winona (Minn)	4.5 WNW	670	24 L3 S6	80,91 oct.Hwy NW.
WOLD CHAMBERLAIN Tower (Minneapolis, Minn)	278 (126.18, 118.3)+		AC (ILS)	(4); 122.5,126.18,118.3
(A,N)[Wold-Chamberlain] (Minneapolis, Minn)	6.5 SSE;hwy S	834	59h L4 S6	80-100 oct.JP-1.Rdo rec. rqrd.N blkd.Ltd maint.fac for mil.acft

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC	LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
WOLD CHAMBERLAIN	109.9	.—.—.	333.8	354°	MM- •—•—• (0.70) OM- ——— (4.7) MMK- 201 ••• OMK- 219 ——

NEW FACILITIES

Owen (Wis)	0.7 NE;RR E	1270	19 S1	80 oct.P-line N,NE,SW,W,
← Taylor Falls (Minn)	2.5 SW;riv E	950	23 S1	80 oct.P-line S,NW,NNW.
Waldoch Fld(Forrest Lake,Minn)	6.5 SW	905	22 S1	80 oct.P-line E.
Southport(Rosemount,Minn)	4.4 WSW	962	26 S4	80 oct.P-lines sur fld.
Sleepy Eye (Minn.)	3.3 SSE;lk 2 E	936	21 S1	80 oct.P-line N.
Morgan (Minn)	1.5 NNE	1025	20 S1	80 oct.P-line E
← Toby (Annandale,Minn)	1 E	1066	25 S2	80 oct.Trees NW,NE.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XII')
← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

14 MINNEAPOLIS

R: EXTREMELY HAZARDOUS I: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RADIO LEGS INDICATE "E" QUADRANTS.

95° 94° 93° 92° 91°

25 MILES 0 STATUTE

BAUDETTE ○
INTERNATIONAL FALLS ○
CAN.
MINN.
LITTLE FORK ○

ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

48°

ELY ○

BEMIDJI-PORT-O-WILDS ○
BEMIDJI ○
VIRGINIA ○
HIBBING ○
COLERAINE ○
GRAND RAPIDS ○
OTIS LODGE ○

47°

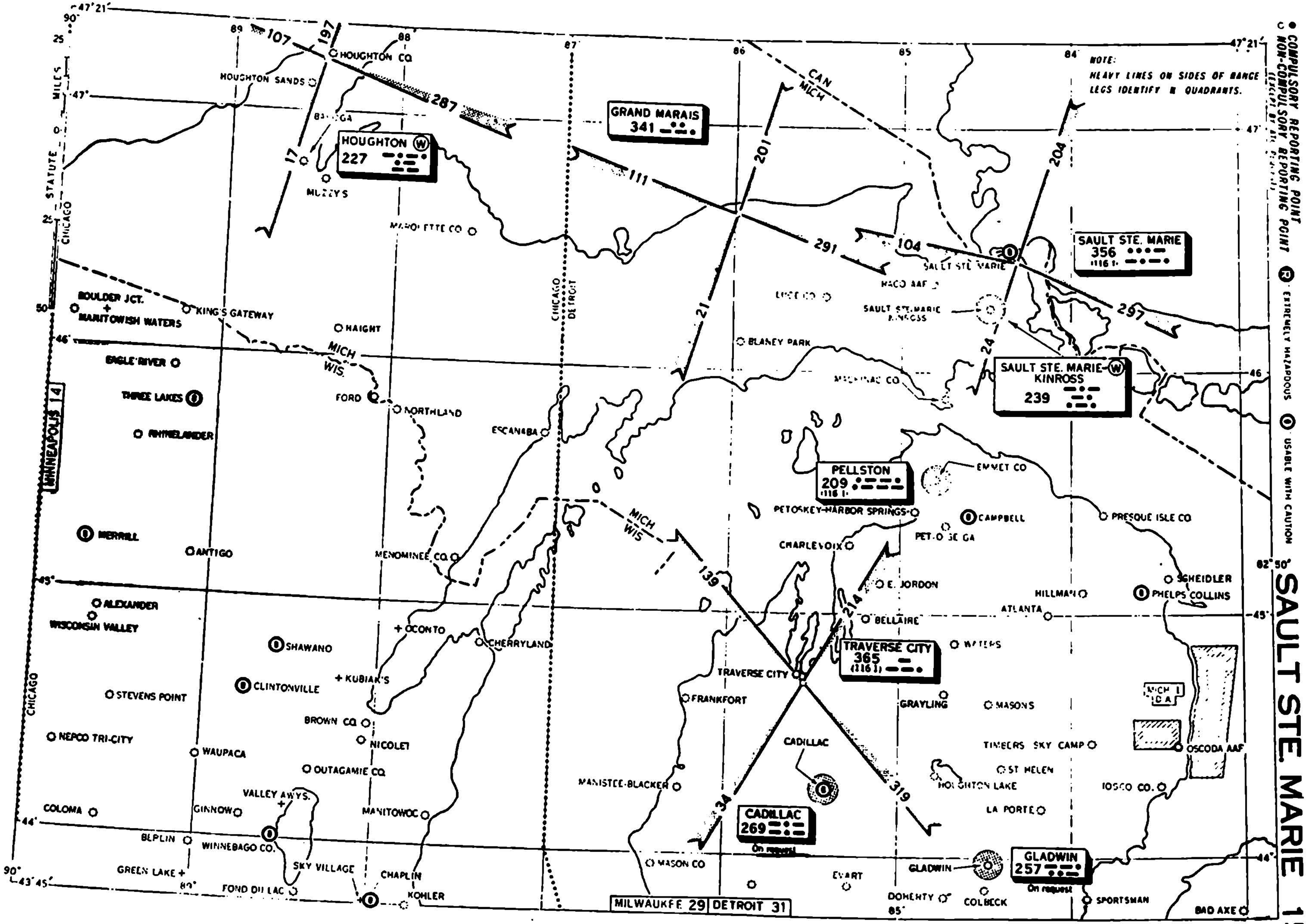
DULUTH ○
SKY HARBOR LODGE ○
DULUTH 221 (116.1)
BORG ○
UNION ○
ASHLAND ○
COGLEBIC CO. ○
WISC.
MICH.
GERVAIS ○
FARGO 11
PINE BEACH
HEYWOOD ○
CROSBY ○
AITKIN MUN. ○
STAPLES ○
TODD
BRAINERD ○
MILLER ○
CAMP RIPLEY ○
GRAND RAPIDS ○
OTIS LODGE ○

46°

HULTQUIST'S ○
HAYWARD ○
SPOONER ○
BURNETT CO. ○
RAINBOW ○
BOYD'S ○
PRICE LAKE +
PHILLIPS ○
SHELL LAKE ○
ARROWHEAD ○
GRANTSBURG ○
ALEXANDRIA 239
WHITNEY MEM. ○
PRINCETON ○
CUMBERLAND ○
RICE LAKE ○
TAYLOR FALLS ○
BARRON ○
RUSK CO. ○
AMERY ○
CRETEK ○
HINCKS ○
ANOKA
WALDOCH ○
U. OF MINN.
DALLAS ○
HOLCOMBE ○
LITCHFIELD
TOBY ○
ANDERSON ○
VICTORY ○
SAND CREEK ○
NEW RICHMOND ○
PINES ○
TAYLOR CO. ○
WILLMAR 254
HAMEL
NORTHPORT ○
BUDSON ○
BOYCEVILLE ○
THORPE CITY
OWEN ○
CHIPPEWA FALLS ○
ROBBINSDALE
ST PAUL
FLEMING
RIVER FALLS ○
MENOMONIE ○
THORPE ○
COLBY-ABBOTSFORD ○
HUTCHINSON ○
WOLD-CHAMBERLAIN 278 (118.3 126.1)
EAU CLAIRE SKY PARK
EAU CLAIRE ○
HASTINGS
SKY HAVEN
HECTOR ○
BLEICK ○
FLYING CLOUD
SOUTHPORT
RED WING
LAKE CITY
SCHLOSSER
MARSHFIELD ○
NEILLSVILLE ○
MORGAN ○
SIOUX FALLS 245
JORDAN
LE SUEUR ○
CARLETON ○
ROCHESTER 236
JACKSON CO. ○
NEW ULM ○
ST. PETER ○
MINNEAPOLIS 266 (116.1)
KENYON ○
WINONA
LA CROSSE 371
SLEEPY EYE
SPRINGFIELD
MANKATO ○
WASECA ○
OWATONNA ○
PLEASANT CORNERS ○
WISC 2 D A

CHART 27

95° 44° 91° 90° 45°



C ● COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT ⊙ EXTREMELY HAZARDOUS ⊙ USABLE WITH CAUTION

SAULT STE. MARIE 15

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct.Lgts prior req.
Alger Co. (Munising,Mich)(NC)	4 SSE;hwy E	850	26	Twr N;woods all sides.
Amasa (Mich) (NC)	4 NW	1560	14	Not maintained.
(P)Antigo (Wis)	2 ENE;hwy N	1483	33 S4	80,91 oct.Flare pots avail.
Arbor-Vitae (Woodruff,Wis)(NC)	2.6 NW	1600	25 S2	80,91 oct.P-line N;trees E,
Atlanta (Mich)	0.8 ESE	875	22 S2	80 oct.Trees N,NW,W. W.
Au Gres (Mich) (NC)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW N W blkd.
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct. Trees NE.
Baraga (Pelkie, Mich)	3.5 SE;hwy N	805	21 S2	80 oct P-line N;trees E,S,
(P) Beaver Island (St.James,Mich)	4.2 SSW	620	35	NW,SE blkd. (NC) W.
(P) Bellaire (Mich)	1 NE;RR W,S	614	24 S1	80 oct P-line E,SE.
Berlin (Wis)	2.9 W;hwy S	780	20 S1	80 oct SE blkd P-line SW.
Big Bear (Topaz, Mich)	2.2 S	1295	25 S2	80 oct P-line S;trees E
Big Lake (Baraga, Mich) (NC)	7.3 SW;rd W	1100	20	Trees all sides Emerg use
Blaney Park (Mich)	0.5 NW;lk N	850	18 S1	80 oct P-line E.
Boulder Junction (Wis)	1.5 NW		38 S1	80,91 oct. Data unver.
Brevort (Mich)	1.2 NW;hwy S	620	23	Emerg. use Trees E,W.
Brown Co. (Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct E,ESE,SE blkd.
CADILLAC H Fac. (Int.)(Mich)	269 (KK)		MHT	(4)
(P) Cadillac, 23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
Calbeck (Beaverton, Mich)	0.8 SW;RR W	728	27 S2	80 oct.Poles SE;trees E,NW
Campbell Mun. (Indian River)	0.8 SE;RR,hwy W	602	20 S1	80 oct.P-line N.(Mich)
Chaplin Arpk (Plymouth, Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
Charlevoix (Mich)	0.8 SW;lk NW	642	30 S2	80 oct. P-lines S,W,NW.
(P)Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N.
(P)Clintonville (Wisc)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blkd.Pwr line NE,SW,W.
Coloma (Wis)	3.0 NW;hwy E	1065	26 S2	80 oct. N,S blkd
D.A.R. (Rexton, Mich) (NC)	1.9 WSW;RR N	900	22	Poles N.
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-ctn.
Eagle River (Wis) (NC)	1.3 NW;riv NW	1675	26 S1	80,91 oct. P-line E.
East Jordan (Mich)	1.9 SSE;riv W	640	26 S1	80 oct P-line E,N;trees W
(P)[Emmet Co.] (Pellston, Mich)	0.6 NW;RR E	707	54h L3 S2	80,91 oct Lgts on req.P-line N,E
Escanaba (Mich)	2 SSW	594	26 S6	80,91 oct.Trees E
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct P-line N,S
Fond du Lac (Wis)	2.6 ENE;hwy S	769	26 S4	80,91 oct P-line N,NE,NW
Ford (Iron Mountain, Mich)	2.5 W;riv W	1140	23 S6	80,91,100 oct SE blkd.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW Rough.
GLADWIN H Fac. (Mich)	257 (GU)		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct
GRAND MARAIS Range (Mich)	341(IG)		BRL	3105 Oper by City
Green Lake (Wis)	4 W;hwy S	990	22 S1	80 oct. Data unver
(P)Grayling (Mich)	1.3 NW;RR W	1152	60h S1	80 oct. Rnwy data unver.
(P)Haight (Crystal Falls, Mich)	1.3 ENE;lk E	1390	34 L1 S4	80,91 oct Bldg SW,WNW.
(P)Harbor Beach (Harbor Beach, Mich)	2.5 W;rd S	670	20 L S2	80 oct P-line NE,SE Flood lgts prior req.
Harrison (Mich) (NC)	2.3 NNW;hwy E	1100	26 S2	80 oct S blkd Ctn-rough.
Hillman (Mich)	2.8 NW	995	23 S1	80 oct.Woods all sides.
HOUGHTON Range (Mich)	227 (CAM)		RL-W	Oper State of Mich.
Houghton Co. (Calumet,Mich)	2 SE;RR NE	1200	26 S4	80 oct.Twrs,poles W NW
Houghton Lake (Houghton Hgts, Mich)	1 W;lake NNE	1150	27 S2	80 oct.Pole NW; blkd. trees W,SSE,E.Rdo twr W
Houghton Sands (Mich)	2 ESE;RR SW	605	26 S3	80 oct. N lgtd.
Ishpeming-Dexter (Mich)(NC)	7 W;RR N,S	1570	25	Poles N.
Kalkaska (Mich) (NC)	0.5 WNW;RR E	1020	26	
King's Gateway (Land O'Lakes, Wis)	0.5 SSE:RR W	1736	44 S2	80,91,100 oct.P-line SE,SW. NW. Twr NE.
(A)[Kinross](Mich)(A)	See Sault Ste Marie-Kinross under "New Facilities" - name changed.			
(P)Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct SE blkd.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Fuel Data unver.
La Porte (West Branch, Mich)	6 SE;RR W	890	26 S2	80 oct.P-line SW Rough off
Lost Creek Sky Ranch (Red Oak)	4 SSE;hwy S	1090	26 S1	80 oct. (Mich) strips
Luce Co. (Newberry, Mich)	4.1 SE;hwy S	872	28 S1	80 oct.NW blkd.Poles SE.
Mackinac Co. (St.Ignace, Mich)	2 NNW;hwy E	600	26 S2	80, 91 oct.
Mackinaw City (Mich) (NC)	5 S;RR W	700	22	
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct.P-line W,SW,SSE.
Marenisco (Mich) (NC)	1.6 E;hwy N	1551	20	ENE,WSW blkd.Bndry lgts
Marquette Co. (Mich)	7.9 W;hwy S	1412	27 S2	80 oct. inop.
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
(P)Masons (Grayling, Mich)	12 ESE;riv 2 N	1000	40 S1	91 oct.
Menominee Co. (Mich)	5 NNE;bay E	590	27 S1	80 oct. Trees sur fld.
Merrill (Wis)	1.2 NNW;RR E	1285	22 L1 S2	80 oct.Use strips only.
Mio (Mich) (NC)	1.6 N;hwy W	1050	26	Emerg. use only.
Muzzy's (L'Anse, Mich)	2.3 SSE;RR E	1008	24 S1	80 oct.Poles ENE,ESE;
Nepco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts trees WNW on req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct.P-line E,W.Data unv.
(P)Northern Lakes (Manitowish,Wis)	6.8 E;hwy NE	1600	28 S4	80 oct. Trees E,W.
Northland (Norway, Mich)	1.8 ESE;RR N	1060	33 S3	80,100 oct.P-line N.
Norway Township (Loretto,Mich)	See Loretto Arpt under "New Facilities" - name changed.			
O'Conta (Wis)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver
Oconto Falls (Wis)	2.7 ENE;RR S			ABANDONED.
Onaway (Mich) (NC)	0.6 NNE;RR S	770	21	P-line SW;trees SE.
(A)Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Otsego Co. (Gaylord,Mich)(NC)	1 SW;lk 1.5 S	1384	40 S1	P-line E,NE.Trees N.
Outagamie Co.(Appleton, Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
PELLSTON H Fac. (Mich)	209(PJ)(116.1)		MHTV	(4);116.1,122.1 (6-22)
Pet-O-Se-Ga (Wildwood,Mich)	1.8 NW;lk NW	620	20 S2	80 oct. (Emmet Co.)
Petoskey-Harbor Spgs.(Petoskey)	4.5 NE;bay W	620	24 S2	80 oct.P-line E.Trees NW
Phelps Collins(Alpena,Mich)	6.5 WNW;riv adj	685	50h L5 S4	80 oct.No bcn,SE (Mich) bndry lgts.Lgts on req.
Presque Isle (Rogers City,Mich)	0.7 SSE;hwy E	658	26 S2	80 oct.
Prickett-Grooms (Sidnaw,Mich)	0.5 N;RR S	1300	18 S1	80 oct.Use ctn.Bldgs SE.
(A) Raco AAF (Mich) (A)	4.5 WSW;RR N	910	55h	TMP INACT.NO FACS SW.
(P) Rhinelander (Wis)	2 W;riv 1 SE	1598	37 S4	80,91 oct.Trees NW.
Roscommon (Mich) (NC)	2.5 SE;RR NE	1100	42	Trees all appchs.Emerg.
Roscommon Co.(Prudenville,Mich)	4.5 N;riv E	1150	26 S1	80 oct.Trees sur fld.use.
St. Helens (Mich) (NC)	0.9 SE;RR N	1153	26	Tree all appchs.Emerg.use
SAULT STE.MARIE Range (Mich)	356(VC)(116.1)	317°,2.2	SBMRAZ-DTV	(4);116.1,122.1
(P)[Sault Ste Marie](Mich.)	1 SSW;riv N	706	36 L3 S4	80,91 oct.Fld lgts on req.P-lines E,S.ARPT OF ENTRY
Scheidler (Alpena, Mich)	6.3 N;hwy NW	590	22 S4	80 oct.P-line NE,N,SW.
(P)Schoolcraft Co.(Manistique,Mich)	3.3 ENE;lk S	678	31	Appchs 5:1 (NC)
Shawano (Wis)	2.3 ENE;lk NE	813	40 L S6	80,91 oct Poles SW Lgts prior req.Rnwy data unv.
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct.Data unver.
Steuben (Manistique,Mich)(NC)	20 NW	850	18	Woods all sides.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
Three Lakes (Wis)	0.5 S	1664	14 S1	Fuel.Rough.Obsts sur fld.
Timbers Sky Camp(So.Branch, Tomahawk (Wis) (NC) Mich)	0.2 NE;riv 4 E 0.5 WNW;riv N	950 1450	22 S1 15	80 oct.P-line NW.Trees NE Obsts sur fld.Emerg.use.
TRAVERSE CITY Range (Mich)	365(TG)(116.1)	319°,2.2	SBMRAZ-DTV	(4);116.1,122.1
(P) [Traverse City](Mich)	2.1 SE;RR NE.	618	52h L5 S6	80, 100 oct.
Valley Airways (Neenah,Wis)	3.9 SW;RR E	760	21 S4	80 oct.P-line E;trees S.
Washington Island (Wis) (NC)		600	24	0.6 NNE of Detroit Harbor
Waters (Mich)	0.6 N;hwy W	1225	25 S1	80 oct.P-line NW.Trees sur
Watersmeet (Mich) (NC)	1.2 NNE;RR SSE	1581	22	Poles SE.Emerg.use.fld.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
(P)Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.P-line NE,N,W Rnwy data unver.
Wisconsin Valley (Rothchild,Wis)	2 S;RR,hwy W	1180	30 S4	80 oct.P-line N, NW.
NEW FACILITIES				
Loretto (Mich) NC	2.4 S;lake N	860	21	Trees on side strips.
SAULT STE MARIE-KINROSS H Fac (Mich)	239 (KNR)		HW	Civil Fac.
(A)[Sault Ste Marie-Kinross] Kinross,Mich)	2.5 SE	780	55h S1	91 oct.Army Tmp Inact.
Sportmans Fld(Pinconning,Mich)	1.7 ESE;riv N	592	27 S2	80 oct.Bldgs NE,trees SW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➳ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

MEDFORD

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Alicia (Marysville, Calif)	3.2 SSE;RR W,E	63	60h L5 S6	80, 91 oct.
(P) Alturas (new) (Calif)	6.8 WNW	5034	63h	
Alturas #1 (Calif)	1 W; RR S	4391	30 S6	80,91 oct P-line N,NE,SW, NW.
(A) Amedee Flight Strip (Calif) (A)	4 SE; RR N	4007	70h	
ARCATA Range (Calif.)	209 (NZM)	4°, 3.0	MRL	(3). Private rng.
ARCATA H Fac. (Calif.)	414(NZ1)	310°,0.15	H	(4); Z marker 200' from SE end Rnwy 31. Priv. H
Ash Creek,USFS (McCloud,Calif) (NC)	11.2 ENE	3850	30	Closed Dec-May. Trees SE, NW
B & H (Creswell, Ore)	3.3 SSW;RR E	620	18 S6	80 oct. Trees NNE.
* Beaver Marsh Int,73,RV-ND (Ore)		4630	54 L3	6.2 mi SSW Chemult
Benton Arpk (Redding, Calif)	1.1 WSW;riv 1 E	719	25 L3 S6	80,91 oct. Wires N.
Bieber (Calif)	1 NE;riv W	4155	33	Soft in winter.
(N) Bidwell (Red Bluff, Calif)	1.7 SSW;RR 1 E	354	40h L5 S4	80,91,100 oct Wires E,W. Fld lgts on req after midnight
* Blue Canyon Int,13,SF-SL (Calif)	1.1 NNE;hwy NW	5280	34 L3	Wires N,NE RR E
Blue Star Arpk (Eagle Point,Ore)	4.5 N;hwy E		20 S2	Data unver.
Calpine (Calif)	1 SE;rd N,E	5000	29 S1	91 oct. P-lines NE
Cedarville (Calif)	0.6 S;hwy E	4260	26 S2	91 oct. P-line E,W blkd.
Cheim (Marysville, Calif)	1.5 NE;hwy S	67	30 S6	80,91 oct. Wire SW. Levee N, P-line WSW,WNW,NE Closed to public.
Chester, USFS (Calif) (NC)	1.5 SSW;hwy NW	4525	31	
(P) Chico (Calif.)	5 N;hwy E	237	67h L5 S6	No flood or boundary lgts.
Colusa (Calif)	1.2 SW;RR W	47	29 S4	80 oct. P-line NNW.
Corning (Calif)	1.3 NE;RR W	300	22 L1 S6	80 oct.
Cottage Grove (Ore)	1.9 S;riv S	640	22 S1	80 oct.
* Cow Creek Int,37B,SF-SA (Ore)	2.5 ENE Glendale	1429	24 L3	Creek S
(P) Curry Co. (Denmark, Ore)	3.8 WSW	214	51h L5	All lgts prior req.
Dalton Com. (Williams, Calif)	1 ENE;RR SW	65	26 S6	80,91 oct. P-line SW.
(P) Del Norte Co. (Crescent City, Calif)	2.5 NW;ocean W	57	50h L1 S1	80, 91 oct
* Delta Int,22,SF-SA (Calif)	1 SW;RR,hwy N	1320	18 L3	800-1000' mtns E,W
► DONNER SUMMIT Range (Calif)	385(DS)(vhf)		BMRL-DTV	(4);116.1,122.1
Dunsmuir,25B,SF-SA (Calif)	4.5 N;RR W	3240	30 L3 S2	80,91 oct. Poles E,N lgtd.
Elk Creek (Calif)	0.7 SSE;hwy W	725	16 S1	80 oct. Obst sur fld.
► Eureka (Calif)	2 W;bay E	20	24h	Not maint.
FORT JONES Range (Calif)	224 (FJ)		SRAWZ	
Fort Jones (Calif) (NC)	1.5 NW;rd NE	2745	30	P-line NW
Fortuna (Calif)	2.9 SSE;hwy W	356	31 L S6	80,91 oct. Trees NE RR W
Garberville Arpk (Calif)	1 SW;riv,rd SE	480	12 S1	80 oct. Trees N,S
Gasquet (Crescent City, Calif)	13 ENE;hwy S	390	25	Hazardous-bad appch. USFS
Grants Pass (Ore)	1.6 N;RR W	1050	27 S6	80,91 oct. Poles N. (NC)
Grass Valley (Calif)	0.8 W;hwy N	2600	18 S1	80,91 oct. Trees sur fld. P-line NE.
Gravelly Valley, USFS (Upper Lake, Calif) (NC)	20 N;lake S	2000	49 S2	No fuel. Road crosses NE/SW strip. Trees NE,SE,NW
Gridley (Calif)	0.7 ENE;hwy E	97	26 S1	80,91 oct. P-line N,S.
Hayfork, USFS (Calif) (NC)	1.2 E;hwy N	2350	30	P-line W. Mtns E Clsd to
Humboldt Co. (Eureka, Calif)	3.6 ENE;hwy N	10	18h S6	80,91 oct. Poles NW public.
Illinois Valley Landing Field (Cave Junction,Ore)(NC) USFS	4.3 SSW;riv 1 E	1350	43	Trees NNE.
Jackson Ranch (Weed, Calif)	3.7 NW;lk NNE	2975	33	Trees S.
► KLAMATH FALLS Range (Ore)	242(FS)(vhf)	342°,2.7	SBRAZ-DTV	(4);116.1,122.1
[Klamath Falls] (Ore)	4.9 SSE;RR NE	4084	71h L5 S5	80,91,100 oct. Fld lgts on req
Lakeside (Ore)	0.3 NE;RR S	20	25	P-line S. Ctn-hazardous.
Lakeview (Ore)	3.5 SW ;RR 2 E	4728	53h L1 S6	80, 91 oct.
Leith's (Gold Beach, Ore)	Adj W	16	23 S1	80 oct. Data unver.
► MEDFORD Range (Ore)	263(MF)(116.1)	158°, 2.4	SBRAZ-DTV	(3);116.1,122.1
MEDFORD Arpt Tower (Ore)	278 (126.18, 118.7)+		AC	(4); 126 18,118.7,122.5
(A,N) [Medford] (Ore) (NATS)	3.2 N;RR E	1329	54h L5 S4	80,91,100 oct.
Mendocino (Little River, Calif)	2.5 SE	572	53h S4	80, 91 oct.
Montague (Calif)	1 W;hwy S	2520	32 L3 S6	80, 91 oct.
MOUNT SHASTA Range (Calif)	278(SC)(116.1)	116°,2.2	BMLZ-DTV	(4); 116.1
Myrtle Creek Int,39A,SF-SA (Ore)	4 SW;riv,RR W	640	25 L3	Hill S,N. Emerg. only.
Nevada City (Calif)	1.5 NW;rd S	3060	26 S4	80 oct.
(P) North Bend (Ore)	1.2 WNW;riv N	4	50h L5 S6	80,91 oct. Trees SSE,SW, NNW.
101 Hereford Ranch (Laytonville)	1 S;hwy E	1635	18 S1	80 oct. (Calif)
(P) Oroville (Calif)	3 SW;riv E	199	60h L5 S2	80,91 oct. Port rnwy lgts, prior req.
Patrick (Chico, Calif)	2 SSE;RR E	189	34 S6	80,91 oct. P-line NW.
Piercy (Medford, Ore)	2.6 NW;hwy E	1250	20 S6	80,91 oct. Poles SE.
Pinnegar (Anderson, Calif)	1 S; creek N	435	23 S1	80 oct. Cattle on fld. Hill SSE
Plumas Co. (Beckwourth, Calif)	0.8 ENE;RR SW	4900	36 S6	80,91 oct. P-line SE,S,SW.
Ranchaero (Chico, Calif)	2.2 WSW;riv W	170	22 S6	80,91 oct. P-line S. Hwy NE
RED BLUFF Range (Bidwell)	362(FH)(vhf)	323°,2.5	SBRAZ-DTV	(4); 116.1,122.1 (Calif)
[Redding] (Calif)	7.5 SE;riv S	500	60h S2	80, 91 oct.
► REDWOOD Tower (Calif)	See Arcata under "New Facilities" - name changed.			
► Redwood (Arcata, Calif)	See Arcata under "New Facilities" - name changed.			
* Roseburg Int,41A,SF-SA (Ore)	2.4 NNW;RR E	500	38 L3 S6	80,91 oct. Hills N,NE,S.
Round Valley (Covelo,Calif) (NC)	0.7 SW;hwy E	1385	30	
Scotia (Calif)	1.5 SSE;RR N	120	25 S1	80,91 oct. ESE blkd. Riv S.
* Secret Valley Int,52,RV-ND (Calif)	4 SE	4435	50	Day use only
(P) Shasta Sky Ranch (Fall River Mills, Calif)	1 N;hwy E	3300	33 S6	80,91 oct. Soft. P-line W, SSW,E,ENE,S.
(P) Siskiyou Co. (Montague,Calif)	4.3 NE;RR W	2647	73h L5	
Sky Harbor (Quincy, Calif)	2.5 E;hwy S	3400	24 S2	80, 91 oct. Poles S.
Susanville (Calif)	6.5 SE;hwy SW	4150	32 S6	80,91 oct. Pwr line N.
Sutherlin Sky Ranch (Ore)	3.8 ENE;rd E,S	575	18 S1	80 oct.
Tri-City (Riddle, Ore)	3.5 NE;RR N,W	700	19 S1	80 oct. P-line N,S.
* Truckee Int,16B,SF-SL (Calif)	3.6 ENE;RR S	5820	34 L1	Snow Dec.-April.
Tulana (Worden, Ore)	1 S,RR NW	4080	37 S6	80 oct. Pwr line NNE.
(P) [Ukiah] (Calif)	1 S;RR E	612	40h L5 S6	80,91 oct. Fld lgts on req. Wires NNW.
Weaverville, USFS (Calif) (NC)	1 SSE;hwy E	2040	22	30' poles S. Closed to public.
Westwood (Calif)	1.5 W;hwy N	5100	22	
White (Ft. Bragg, Calif)	1 NNE;ocean W	72	15 S4	80,91 oct. SE,NW blkd.
WHITMORE Range (Calif)	353 (AWH)		MRLWZ	
WILLIAMS Range (Int.)(Calif)	326(WS)(vhf)	244°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1 P-line S,W.
► Williams Int,9,SF-SA (Calif)	4 S;road N	139	42 L3	Mtns W,N/S strip soft when wet.
Willits (Calif)	1.3 ENE;rd S	1356	18 S1	80 oct. Trees E. P-line W.
Willows-Glenn Co. (Calif)	1.3 WSW;RR E	130	45h L1 S6	80 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
► ARCATA	109.5	332.6	312°	IM- (0.14) MM- ------ (0.66) OM- ——(4.5)
				MMK- OMK- 404
				IM- MM- OM-
				MMK- OMK-

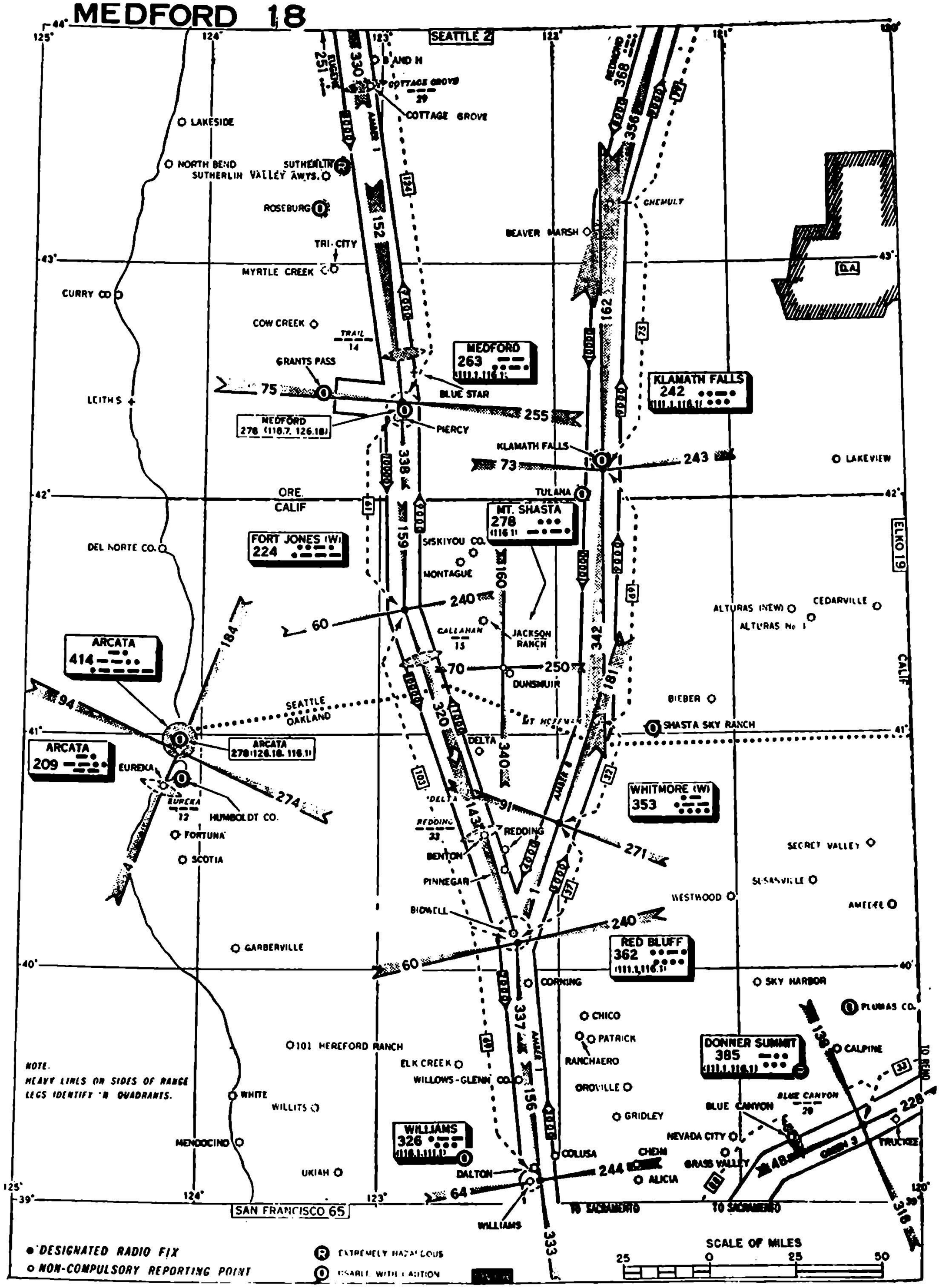
NEW FACILITIES

Sutherlin Valley Arwys (Sutherlin, Ore)	1.0 WSW;RR E	550	25 S2	80 oct. Trees, hill S.
ARCATA Tower (Calif)	278(126.18,116.1)		CI (ILS-W)	(3);116.1,126.18 (8-17)
► Arcata (Calif)	7.6 WNW	217	60h L	Exten. exper lgtg. CLOSED.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.68, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII). ►► New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

MEDFORD 18


SEATTLE 2
B AND H
COTTAGE GROVE
29
COTTAGE GROVE
LAKESIDE
NORTH BEND
SUTHERLIN
SUTHERLIN VALLEY AWYS.
ROSEBURG
TRI-CITY
MYRTLE CREEK
CURRY CO
COW CREEK
TRAIL
14
GRANTS PASS
75
LEITH S
MEDFORD
263
BLUE STAR
255
MEDFORD
278 (116.7, 126.1)
PIERCY
KLAMATH FALLS
242
KLAMATH FALLS
73
243
LAKEVIEW
CHEMULT
BEAVER MARSH
ORE.
CALIF
TULANA
MT. SHASTA
278
(116.1)
FORT JONES (W)
224
SISKIYOU CO.
MONTAGUE
DEL NORTE CO.
240
60
GALLAHAN
15
JACKSON RANCH
70
250
DUNSMUIR
ALTURAS (NEW)
CEDARVILLE
ALTURAS No. 1
ARCATA
414
ARCATA
209
184
194
274
SEATTLE
OAKLAND
ARCATA
278 (126.1, 116.1)
EUREKA
EUREKA
12
HUMBOLDT CO.
FORTUNA
SCOTIA
GARBERVILLE
DELTA
320
340
BIEBER
SHASTA SKY RANCH
WHITMORE (W)
353
91
271
REDDING
23
REDDING
BENTON
PINNEGAR
BIDWELL
SECRET VALLEY
SUSANVILLE
WESTWOOD
AMEDEE
RED BLUFF
362
(111.1, 116.1)
CORNING
SKY HARBOR
PLUMAS CO.
CHICO
PATRICK
RANCHAERO
OROVILLE
GRIDLEY
DONNER SUMMIT
385
(111.1, 116.1)
CALPINE
BLUE CANYON
BLUE CANYON
20
NEVADA CITY
GRASS VALLEY
COLUSA
CHEM
ALICIA
244
64
DALTON
WILLIAMS
WILLIAMS
326
101 HEREFORD RANCH
ELK CREEK
WILLOWS-GLENN CO.
MENDOCINO
WHITE
WILLITS
UKIAH
NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.
SAN FRANCISCO 65
TO SACRAMENTO
TO SACRAMENTO
TO RENO
FRUITVALE
ELKO 19
CALIF
SCALE OF MILES
25 0 25 50
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION

ELKO 19

●COMPULSORY REPORTING POINT
○NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

(E): EXTREMELY HAZARDOUS

(I): USABLE WITH CAUTION

SPOKANE 3

VALE

BOISE 350 (111 I, 116.1)

BOISE AIR TERM. 278 ∞ 118.3.126.15 ∞

BOISE AIRPK.

BRADLEY

MOUNTAIN HOME

MOUNTAIN HOME AAF

KING HILL

GLENNS FERRY

BURLEY 272

ROY DAVIS

RUPPS

ALKALI LAKE

ROME

HYSHAM

PARMA

CALDWELL

RITCHEY

FLOATING FEATHER

EMMETT

BAKER

ONTARIO

OWYHEE

ORE.

NEV

IDA

SEATTLE

SALT LAKE CITY

MEDFORD 18

RENO 254 (116.1)

RENO SKY RANCH

RENO AAB

SPARKS

HUBBARD 278

CARSON CITY

DERBY SUMMIT

VERDI

NEV.

CALIF.

HUMBOLDT 209 (116.1)

LOVELOCK COM.

LOVELOCK

HUMBOLDT

WINNEMUCCA COM.

WINNEMUCCA

BATTLE MOUNTAIN 281 (116.1)

BATTLE MOUNTAIN FLGT STRIP

BATTLE MOUNTAIN

BUFFALO VALLEY

GREEN

ELKO 391 (116.1)

ELKO

CARLIN

WENDOVER

LUCIN

WADSWORTH

FERNLEY

LAHONTAN

LAHONTAN FLGT. STRIP

FALLON

FALLON 230

AUSTIN OLF

VERNGTON

SALT LAKE CITY 22

FRESNO 69 LAS VEGAS 71

118 121 138 161 126 228 48 45 341 318 225 302 301 320 40 50 229 49 219 206 290 93 26 12 95 80 83 93 95 80 83 93 95 80 83 93

RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Air Term.)	350(BE)(vhf)	SBRAZ-DTV; 110°2.5	(3);116.1,122.1
BOISE AIR TERMINAL	278(126.18) (118.3)	AC	(4);126.18,118.3,122.5
EAGLE FM	(- - - -)	FM, 301°,11.5	Boise
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise

NEVADA

BATTLE MTN.	281(BP)(116.1)	BMRLZ-DTV, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-DTV, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SRAWZ; 219°, 2.9	
HUMBOLDT (Int.)	209(HD)(116.1)	BMRLZ-DTV 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-DTV 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno

NEW RADIO FACILITIES

HUBBARD (Reno)	278	CI	(4)(5-20 Wed,Sat,Sun; 8-16 other days.)

S-Simul Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker;(3)-3105, 4495, 6210 kcs;(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IDAHO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW			ABANDONED
Boise Airpark	1.8 WNW;hwy W	2660	25 S6	80 oct.Right traffic when land. to NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
(P) Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE.
Emmett	2.6 SW, RR NW	2300	28 S6	80 oct.Trees WNW.
Floating Feather (Eagle)	2 E;riv 1.5 S	2635	39 S6	80 oct.Trees SW,hill NE.
(P) Glenns Ferry	1.3 WSW;RR N	2556	34 S1	Ltd 80 oct.
GOWEN (Boise)	See Boise Air Terminal under "New Arpts"-name chg.			
(A) Mountain Home AAF	10.7 WSW	3004	100h	TMP INACT NO FACS
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
Parma	0.6 SSE;RR NW	2225	26 S1	80 oct.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

h-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing, (see page XIII)NC)-Not charted → NEW OR REVISED DATA

NEVADA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Austin OLF	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3 S1	
★ Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	52 S6	80,91 oct.Mts N,hill W
(P) ELKO-KEDDIE	1.8 W,RR S	5066	62h R1 L5 S4	80,91,100 oct.Hills SE.
★ Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
(N) Fallon	6 SE,hwy S	3931	70h L5 S4	80,91 oct.
HUBBARD (Reno)	3.4 SE;hwy W	4404	64h R2 L5 S4	80,91 oct.
★ Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	3980	24 S4	80 oct.Poles ENE,WSW
(P) " Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	37 S4	80,91 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
Orovada (NC)	1.2 W,hwy E			ABANDONED
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fld CLOSED
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	50 L S6	80,91 oct.Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct. P-line W,SE.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

Alkali Lake Flgt Strip	7.5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	23.9 SW;hwy E	4050	60h	Emerg only.
Vale	1.2 SSW;rvr E	2250	23 S2	80 oct. P-line NE.

NEW AIRPORTS

(NG) BOISE AIR TERMINAL, (Idaho)	4.5 SSW	2858	77h R2 L5 S6	80,91 oct. Ltd 73,100 oct;minor repairs for NG.

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272(BX)(116.1)	SBFAPZ-DTV;200°,2.7	(4);116.1,122.1
GOODING (new)	215(GG)(116.1)	BHTV	(4);116.1,122.1
IDAHO FALLS (Mun.)	359(IF)(116.1)	SBMRAZ-DTV;192°,2.6	(4);116.1,122.1
MALAD CITY (Int.)	314(WT)(116.1)	SBRAZ-DTV;131°,3.4	(4);116.1,122.1
POCATELLO	257(PQ)(vhf)	BMRLZ-DTV;56°,2.5	(4);116.1,122.1
STREVELL	335(TV)(116.1)	MHPV	(4);116.1
[redacted]			
CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212(VZ)(vhf)(l)	SBRAZ-DTV, 7°, 3.6	(4);116.1,122.1
FAIRFIELD (Int.)	362(JL)(vhf)	BMRLZ-DTV,2°,4.4	(4);116.1,122.1
HILL (Ogden)	396 (126.18)+	CA	(4),4220;126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-DTV;156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-DTV,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
ROBERT H.HINCKLEY(Ogden)	284	CI	(4) (1130-2130 Mon,Tues; 0830-2130 Wed-Sun)
SALT LAKE CITY	227(SL)(vhf)	SBRAZ-DTXV;163°,3.6	(3);116.1,122.1
Salt Lake City Arpt. #1	278 (118.3)	C (ILS-W)	(4); 122.5,118.3,126.18
TEMPIE FM	(- - -)	FM, 248°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 3.2	(3);126.18
[redacted]			
FORT BRIDGER (Int.)	382(HM)(vhf)	SBRAZ-VDT;226°,2.4	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SALT LAKE CITY	110.3 --- ---	335	343°	IM-	MM- --- (0.71)	OM- -- (4.69)
				MMK-	MM-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW;canal E	4460	32 S6	80 oct.
Albert (Richfield)	5.2 NE,RR W	4400	23 S1	Ltd 80 oct. Hills N,S,W.
American Falls	2 NE,RR NW	4404	39 S6	80 oct, S blkd.
Arco (NC)	1.5 ESE;RR SW	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE;rd S	5928	57h	
Buhl (NC)	5.7W;hwy E	3690	41 S1	80 oct.
(P) Burley	1.3 ENE,RR SW	4149	41h R1 L5 S6	80,91 oct.Pole line WNW.
Camas Co. (Fairfield)	0.8 SW;RR,hwy N	5065	31 S1	80 oct.P-line E
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	80 oct.
(P) Friedman (Hailey)	0.8 S,RR E	5300	52 S1	80 oct.
(P) GOODING	3.5 WSW,hwy N	3730	49h R1 L5 S6	80,91 oct.
Gooding (old)	4 SSW			ABANDONED
(P) IDAHO FALLS	2 NW;riv E	4730	52h R1 L5 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4420	21 L3	
Jerome	3.3 ENE	3980	31 S1	80 oct.
(P) MacKay (NC)	0.8 SE,RR NE	5900	30 S2	80,91 oct.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4503	50h L3	73 oct.
Montpelier	0.6 NNE,RR WSW	5965	30 S1	73 oct. Mtn NE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted) → NEW OR REVISED DATA

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
POCATELLO	5.8 NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 WNW	4445	84h	TMP INACT NO FACS
Preston	1.7 WNW,riv W	4800	28 L S6	80 oct, Flood lgt on req.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
St. Anthony	1.1 SSE,RR W	4965	40 S6	80 oct. SW blkd.NE bldg.
* Strevell Int,10, SL-PO	0.3 NNW	5270	31 R1 L2	Emerg only.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	40 S6	(NC)91 oct. Trees N
(P) Twin Falls	6.5 S;Canal S	4200	40 S6	80,91 oct. Strips only-wet weather.
University (Ham's)(Pocatello)	1 ENE,hwy W	4550	35	Hills N,S. Emerg only.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	31	P-line SE,trees NW Emerg only.
NEVADA				
* Ventosa Int,48,SF-SL	0.5 N,RR S			ABANDONED
* Wells Int,46B, SF-SL	1.5 S,rd W			ABANDONED.
Yelland (Ely)	3.5 NNE;RR W	6258	60h S6	80,91 oct.
[redacted]				
Alta Arpk (Sandy)	2.3 E,RR W	4800	30 S6	80,91 oct.Hwy W.
Bountiful Sky Haven	2.6 WSW	4222	38 S4	80 oct. P-line S,NW.
Brigham	3 NW,RR S	4220	37 L4 S6	80 oct. P-line S,Wires W.
[Carbon County](Price)	2.8 E,RR W	5800	58 S6	80 oct. Use strips only.
Delta	4.8 ENE,	4755	61h R1 L5 S3	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE;hwy W	5700	55 S2	30 oct. P-line NW,W.Use strips only.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
Hillcrest (Logan)	2.7 NE,RR W	4780	27 L S6	80,91 oct,Port flood lgts.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	30 L3	
LOGAN-CACHE CO.(Logan)	4 NNW,RR E	4460	53h L5 S6	80 oct.
Low Flight Strip	11.8 W,hwy S	4241	71h	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4414	54h R1 L3	
Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	35 S4	80 oct.
Midvale	3 WSW;RR NW	4500	20 S4	80 oct P-line SE.Ctn when wet.
Mt. Pleasant	1.5 SSW,RR NW	5857	48 S6	80 oct. Trees NE.Use strip only.
Myton (NC)	1 E,riv N	5090	31	Stay on strips.
Nephi	2.5 NW	4800	48 S2	80 oct.Soft when wet
Ogden Airpark	4 S,hwy NE	4700	32 S6	80 oct.P-line NE. Fence S.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	
(P) PROVO	2.8 WSW;lake W	4490	70h L5 S6	80,91 oct.
(NC) SALT LAKE No. 1	5 WNW;hwy S	4222	55h R3 L5 S6	80-100 oct.Rdo rec rqrd.Ltd 100 oct.
Salt Lake No. 2	10.5 SSW,RR W	4617	56h S6	80,91 oct. 2-ech maint NG.
Spanish Fork	2 NW,RR SE	4560	42 S6	80,91 oct.
Tooele (NC)	1.4 WSW,RR W	4983	32 S4	80,91 oct.P-lines N,NW.
Utah Central(Salt Lake City)	4 SW;hwy N	4240	37 S4	80 oct. Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4240	81h R2 L5 S6	73,91,100 oct. JP-1.
WYOMING				
Afton	0.3 SW,hwy E	6239	29	N blkd.
Big Piney (NC)	2 N;hwy E	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
Evanston City	3.6 SS	6800	30 S4	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
(P) Jackson	9 N,riv W	6400	52	
* Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L2	
Signal Mountain (Moran)	2 3 S	6800	45	
NEW AIRPORTS				
Hayfield (Tyhee,Idaho)	2 SE;RR W	4600	31 S6	No sto.
Evanston, new (Wyo.)	0 5 NE;hwys S,W	6730	30 S3	80 oct.Pwrline W.
San Jacinto (Nev.)	0.2 NE;RR W	5200	47 S1	91 oct.Batt.lgts on req.
Tremonton, (Utah)	0.5 W;hwy S	4322	28 S1	80 oct. S blkd.
Andrew (Shoshone,Idaho)	2.5 E;hwy N	4000	25	Soft in spring.
Adkins (Richfield,Idaho)	4.5 SW;riv S	4150	17 S2	81 oct.Soft in spring.
[redacted]				
Salina-Gunnison (Salina,Utah)	5.5 NNE;riv S	5100	35 S1	80 oct
Teton Peaks,Driggs (Driggs,Idaho)	0.4 NE;RR W	6100	34 S1	80 oct.SW blkd.
Shelley (Idaho)	2 6 N;riv SE	4692	17 S1	80 oct.N,SE,SW blkd.

SALT LAKE CITY 22

●COMPULSORY REPORTING POINT
○NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS

GREAT FALLS 6

GOODING 215 (116.1)

TWIN FALLS Ⓞ

BURLEY 272 (116.1)

POCATELLO VHF RANGE

IDAHO FALLS 359 (116.1)

ST ANTHONY

REXBURG Ⓞ

DUBOIS

SIGNAL MOUNTAIN

TETON PEAKS-DRIGGS

JACKSON Ⓞ

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA

IDAHO FALLS

SHELLEY

POCATELLO 257 (111.1, 116.1)

MALAD CITY 314 (116.1)

LUCIN 302 (116.1)

STREVELL 335 (116.1) Unmanned

OGDEN 263 (116.1)

HINCKLEY 284

FORT BRIDGER 382 (111.1 116.1)

KEMMERER

EVANSTON

COKEVILLE

MONTPELIER

BEAR LAKE CO.

AFTON

LOGAN CACHE CO

HILL CREST

BRIGHAM

TREMONTON

PRESTON

MALAD CITY

IDAHOME

STREVELL

HAYFIELD

UNIVERSITY

ABERDEEN

AMERICAN FALLS

POCATELLO AAF

ALBERT

FRIEDMAN

ADKINS

BILLY ANDREW

GOODING

JEROME

BURLEY

LUCIN

PROMONTORY POINT

LOW

KNOLLS

GRANTSVILLE

SALT LAKE NO 2

MIDVALE

ALTA

TOOELE

RIVERTON

FAIRFIELD

SPANISH FORK

PROVO

EVANSTON CITY

OGDEN ARPK

HILL AAF 396 126 18

BOUNTIFUL

LAYTON

SALT LAKE CITY NO 1 278 118.3

UTAH CENTRAL

SALT LAKE CITY 227 (111.1, 116.1)

WENDOVER AAF 201 126 18

WENDOVER 248

DUGWAY AAF

FAIRFIELD 362 (111.1, 116.1)

NEPHI

MT PLEASANT

CARBON CO.

DELTA 212 (111.1, 116.1)

MANTI-EPHRAIM

SALINA-GUNNISON

YELLAND Ⓞ

LAS VEGAS 71

WINSLOW 73

TO KING HILL

ELKO 19

TO ELKO

TO ROCK SPRINGS

ROCK SPRINGS 23

IDAHO NEV

NEV UTAH

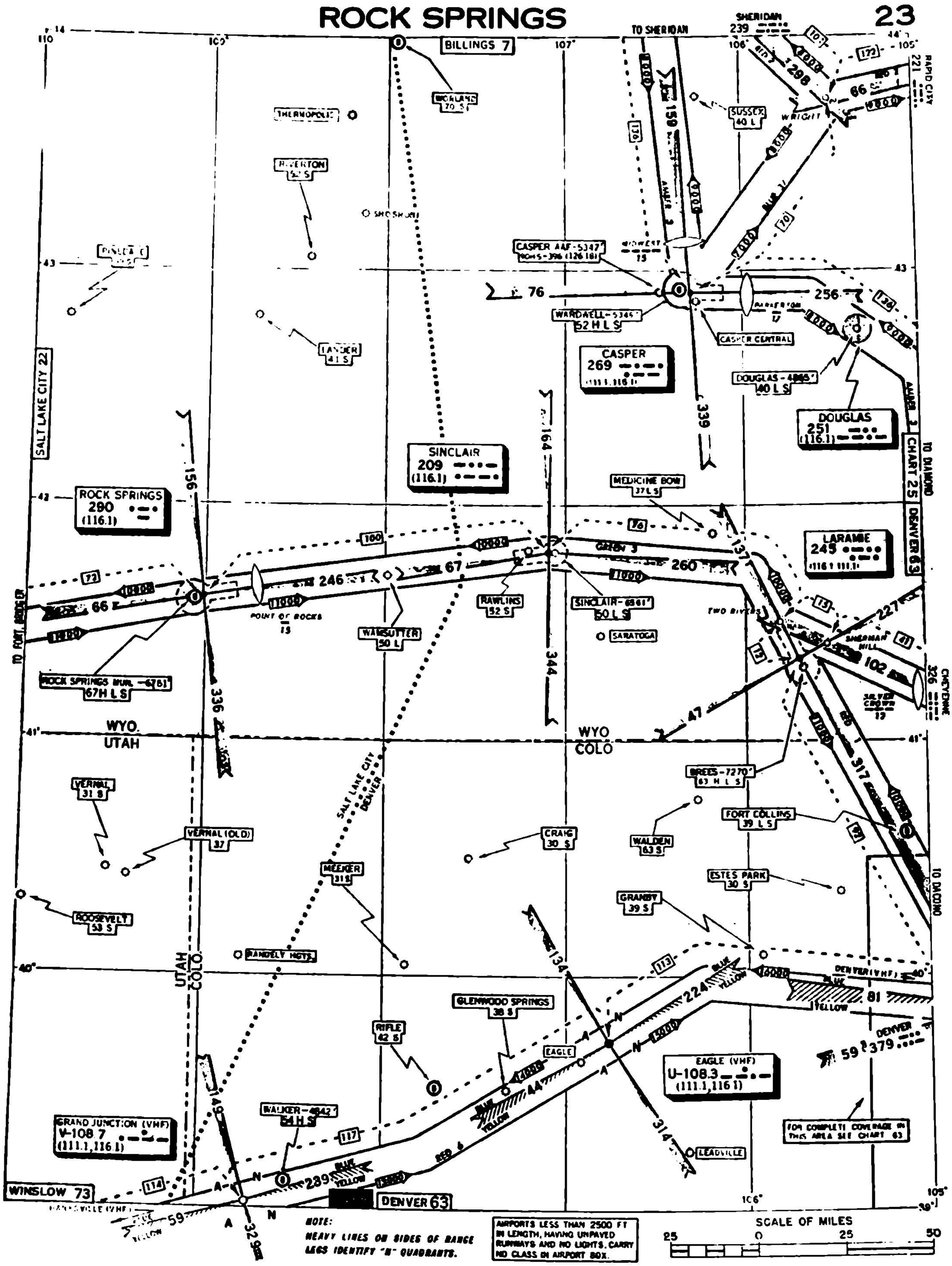
STATUE MILES 0 25 25 50

FOR V.H.F. RANGES SEE CHARTS 144 TO 147

TO MILFORD

OVER

ROCK SPRINGS



LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	BVAR-DTV	3105,3117.5;116.1,122.1
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	BVAR-DTV (ILS)	3105,4495,3117.5; 116.1,122.1
[redacted]			
CASPER(Wardwell)	269(CW)(116.1,111.1)	SBRAZ-DTV;256°,2	(4);116.1,122.1
CASPER AAF	396(126.18) +	CA	(3); 126.18
DOUGLAS	251 (DQ)(116.1)	BHTV	(4);116.1,122.1
LARAMIE (Brees Fld)	245(LR) (116.1, 111.1)	SBMRAZ-DTV 137°, 2.2	(4);116.1,122.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM; 66°, 15.4	Rock Springs
ROCK SPRINGS (mun)	290(RT)(116.1)	SBRAZ-DTV, 246°,2.8	(4);116.1,122.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-DTV, 80°, 1.7	(4);116.1,122.1
PARKERTON,WYO.FM	(-)	FM; 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WALKER	110.3	335	110°	IM-	MM- ·-·- (0.69)	OM- — — (4.52)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — COLORADO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L1 S6	73,80,91 oct.
Glenwood Sprgs.	2 S	5900	31 S4	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
(P) Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
(P) WALKER (Grand Junction)	4 NNE;rd W	4842	54h L3 S6	80,91,100 oct.

UTAH

Roosevelt	1.3 NE;hwy S	5000	51 S2	80,91 oct. P-line NE,E,SE.
Vernal (new)	1 SSE;hwy N,E	5280	32 S6	80,91 oct. Use strips only.
Vernal (old)	7 ESE;riv 4 E	5200	34	Soft when wet.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII), NC-(not charted). → NEW OR REVISED DATA

WYOMING

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	90h R1 L S2	100 oct.
Douglas,11B,CX-GT	1.5 SE;RR W	4865	40 R1 L3 S2	73 oct. P-line NE.
General Brees (Laramie)	See Brees Field under "New Airports" - name changed			
Lander	1.5 S;riv W	5550	41 S2	80 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy N	7200	39 S2	80 oct.
Rawlins	2.3 NE;RR 1 S	6780	52 S4	80,91 oct.
(P) Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS MUN	8.8 E;RR N	6751	67h R1 L5 S2	80,91,100 oct.
Rock Springs (old)	3.8 NNW			(NC) ABANDONED
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3	
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	36 S1	80,91 oct. Hill SW.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR S	6812	50 L3	35 pole line SW
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5 S6	73,80,91 oct.
(P) Worland	2.5 S;canal NW	4185	68 S1	80 oct.

NEW AIRPORTS

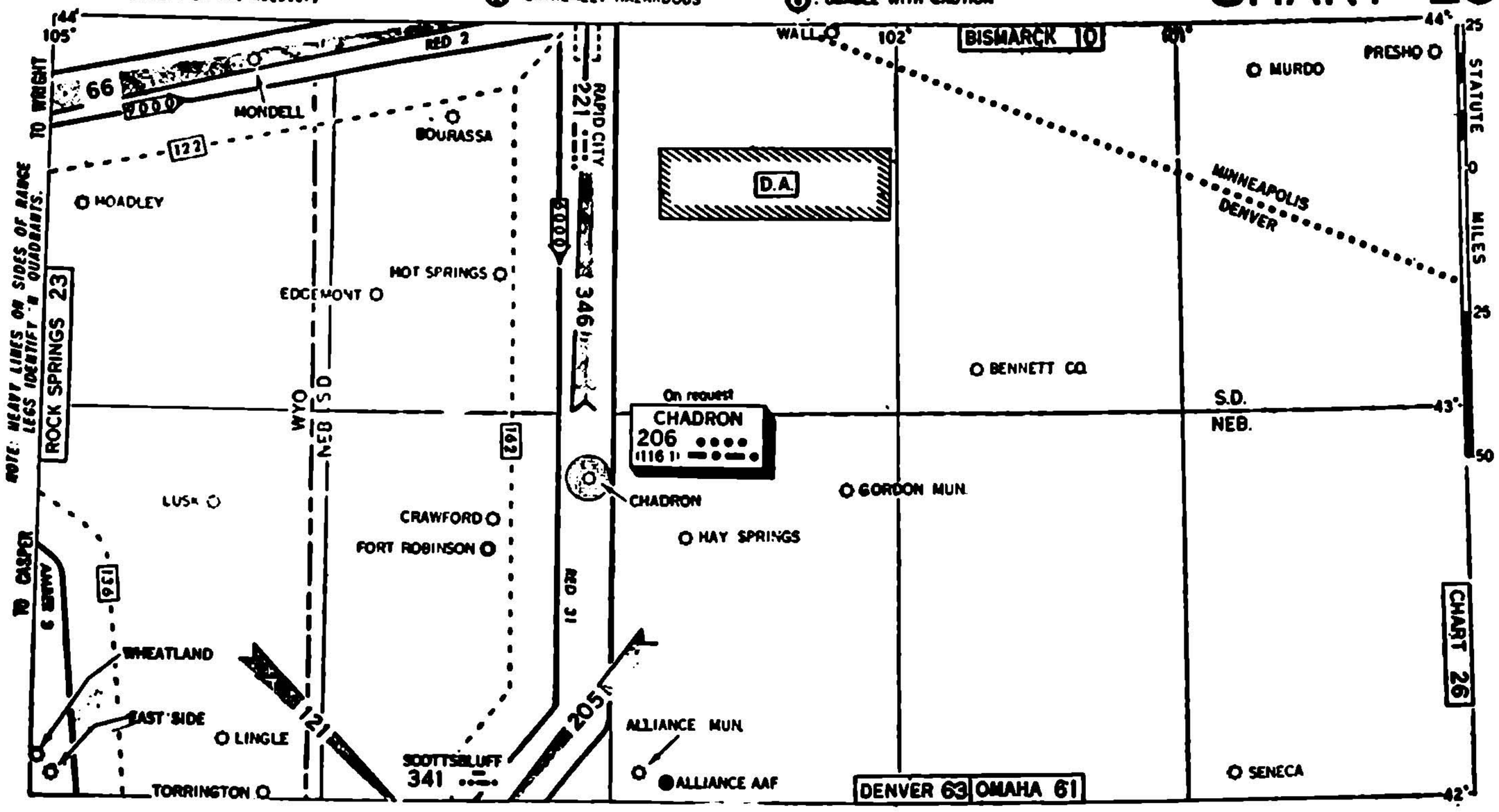
Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S2	80 oct. Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW;riv E	6900	47 S1	80 oct. P-line ESE.
Eagle (Colo.)	4.5 WSW;RR N	6496	34	
Rangely Heights, (Rangely,Colo)	0.6 SE;riv N	5500	33 S1	80 oct. Hill adj SSW.
Brees (Laramie, Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Shoshoni (Wyo)	1 W;riv 2.5 W	4820	40 S4	80 oct. S blkd. P-line SE,
Laramie (Wyo.)	4 S;hwy W	7218	38 S1	Fuel, 100' Stack NW.

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

CHART 25

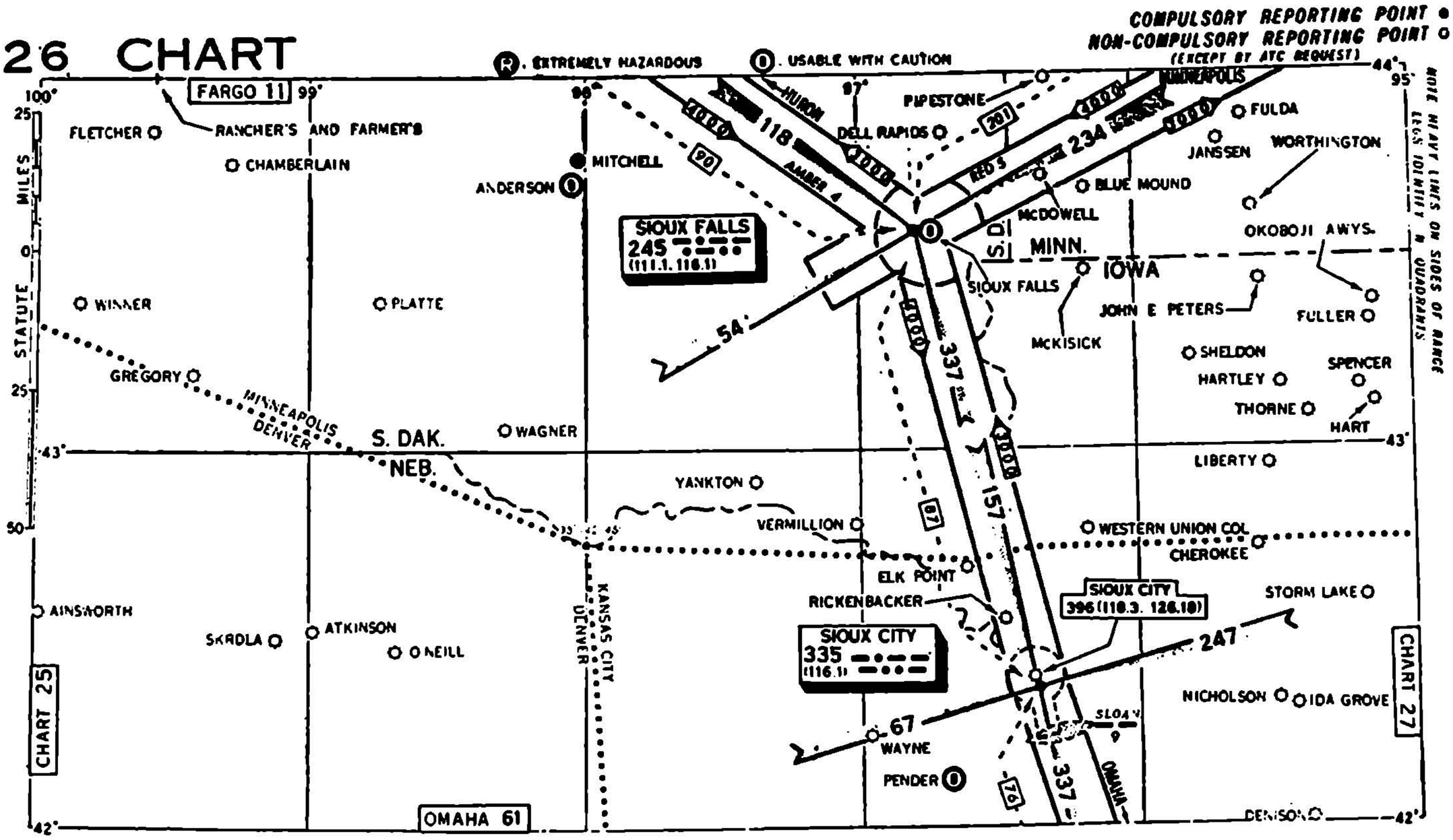


FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(A) Alliance AAF (Nebr) (A)	4.6 SE;RR N	3930	92h	CLOSED.
Alliance Mun. (Nebr)	2.8 SW;RR E	3965	53 S6	80 oct. Hwy E.
(P) Bennett Co. (Martin, S.D.)	4.4 SSE;riv N	3325	30 S1	73 oct. P-line sur fld.
Bourassa (Custer, S.D.)	1 ESE;hwy N	5301	30 S2	73 oct. Poles W, NW.
➙CHADRON H Fac. (Nebr)	206(HC)(116.1)		MHTV	(4);116.1,122.1
(P) Chadron, 15, CX-HR (Nebr)	4.8 W;hwy S	3312	45 L3 S4	73 oct.
Crawford (Nebr)	3.8 NNW;hwy E			ABANDONED
East Side (Wheatland, Wyo)	0.7 E;RR W	4750	23 S4	80 oct.
Edgemont (S.D.)	1.1 SW	3575	30 S2	73 oct.
(A) Fort Robinson (Nebr) (A)	2 S;RR N	3920	18	
Gordon (Nebr)	1.3 E;RR N	3549	34 S4	73,80 oct. Poles N,S,W.
Hay Springs (Nebr)	2.5 W;hwy E	3840	17 S2	80 oct. P-line N
Hoadley (Dull Center, Wyo)	9.4 NE	4176	24 S1	73,80 oct.
(P) Hot Springs (S.D.)	5.5 SSE;riv N	3075	52 S2	73 oct
Lingle (Wyo)	1.2 N;RR S	4200	30	P-line SE.
Lusk (Wyo)	2.9 E;RR S	5000	42 S1	80 oct P-lines SE,S,NW,N.
Modisett (Rushville, Nebr)	2.4 NE;RR S	3475	30	Bldgs, p-line E.
Mondell (New Castle, Wyo)	6.2 WNW;RR N	4260	36 S2	80 oct. P-line N,E.
Presho Mun. (S.D.)	0.8 NW;RR S	1800	22 S1	80 oct. Poles N,NW,S strips.
➙Seneca (Nebr)	2.2 NNW;riv 2 S	3200	26 S2	Ltd 80 oct. NW blkd. Use NW
(P) Torrington (Wyo)	3.4 S;hwy W	4350	40 S2	73,91 oct. P-line S,SE,SW,W
Valentine (Nebr)	1.5 SSE;hwy E	2579	18	Not maintained. Rough. Poles
(P) Wheatland,6,CX-GT (Wyo)	3.4 NNW;riv N	4648	46 L3 S6	73,80,91 oct. Rough. NE
NEW FACILITIES				
Murdo (S.D.)	1 WSW;hwy E,S	2300	25 S1	80 oct. NE,E blkd. Use ctn.
Wall (S.D.)	0.5 NW;RR E	2800	33 S2	73 oct. NE,E,SE,S blkd

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210 3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-voice on 116.1 and 111.1 mcs. +Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs h-hard surfaced runways.

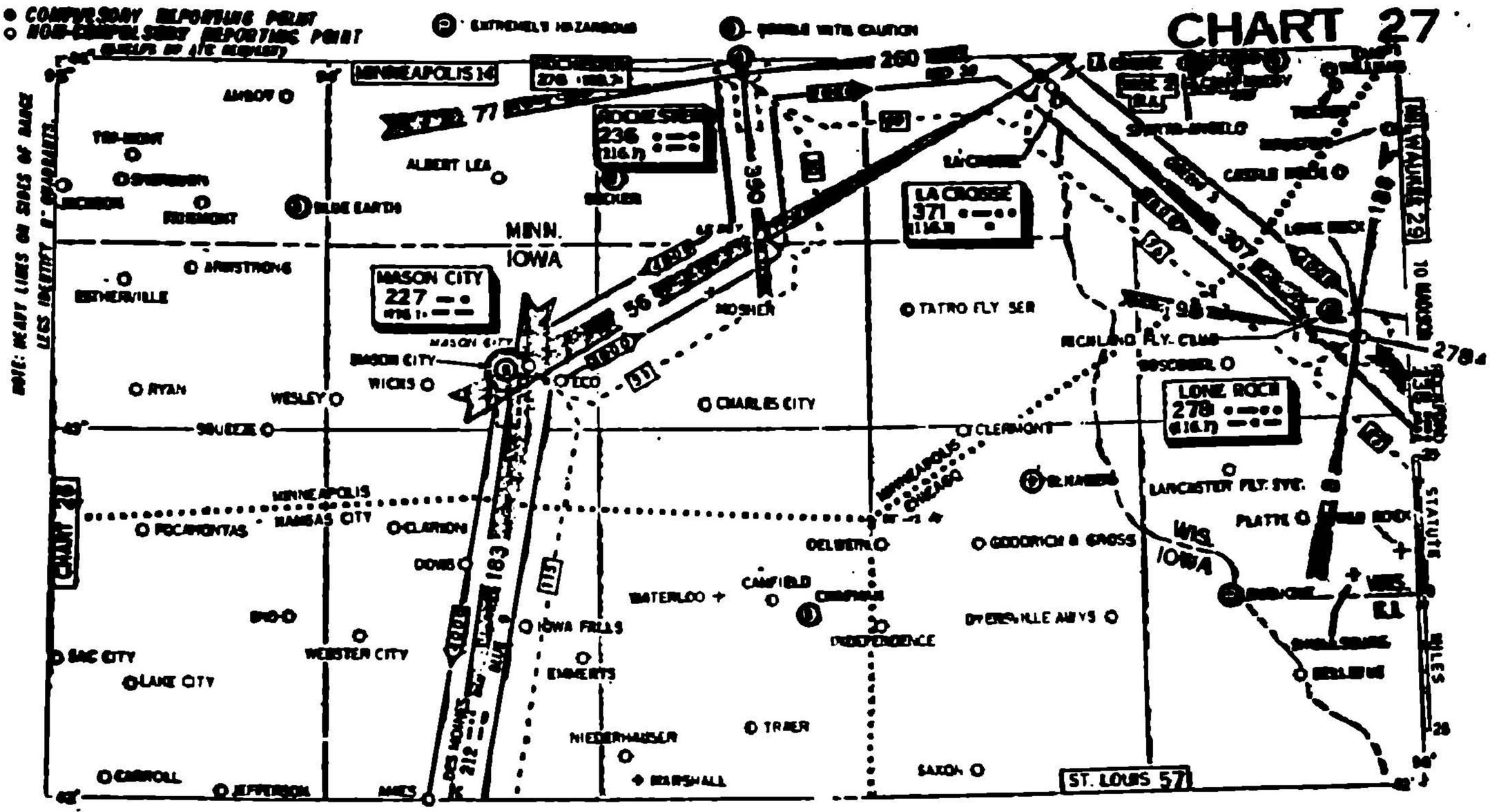
R-radio facilities L-lighting facilities. S-servicing (see page XIII)➙ NEW OR REVISED DATA (NC)-Not charted.

[Jones]-Airline Stop N B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Ainsworth, mun.(Nebr)	[illegible]	2580	73h L5 S6	80 91 oct Rwy lgts
Anderson(Mitchell,S.D.	2.7 W;RR N	1393	29 S6	80 oct.Poles prior reo.
Atkinson (Nebr)	1.4 SW;riv NE	2109	22	surfld. P-line E,SE,N,NW.
Chamberlain (S.D.)	3.4 SE;hwy N	1689	26 S2	73,80 oct.Poles N,NW.
Cherokee (Iowa)	1 S;RR W,S	1218	19 S1	80 oct
Dell Rapids Mun.(S.D.)	1.6 NE;riv SE	1450	20 S4	80 oct.
Denison (Iowa)	2.4 WSW;rwy SE	1200	20 S2	80 oct.Trees SSW.
Elk Point (S.D.)	2.4 E;riv NE	1120	26 S6	80 oct.Poles N,NW.Use strips.
Fletcher (Reliance,S.D.)	2 SE;RR NE	1600	20 S1	80 oct.
Fuller (Milford,Iowa)	0.7 NNW; hwy E	1440	36 S6	80 oct.Trees,poles E, W,S. Lake N.
Gregory (S.D.)	2.2 S;RR NE	2000	22 S2	73 oct.P-line E,SE.
Hart (Spencer, Iowa)	1.6 S;hwy N	1100	28 S4	80 oct.P-line NE,N.
John E. Peters (Ocheyedan, Iowa)	1.5 N;hwy S	1425	24 S2	80 oct.25' p-line S
Liberty (Sutherland,Ia)	2.1 WSW	1465	23 S6	80 oct.35'p-line E,RR.
McDowell (Luverne) Minn.)	8 NW;hwy W	1640	25 S2	80 oct
McKisick (Rock Rapids, Iowa)	3 N;riv W	1361	31 S4	80 oct Trees W
(A) Mitchell AAF (S.D.)(A)	4 N;hwy E	1292	67h	CLOSED.
Nicholson (Ida Grove,Ia	1.9 WSW	1120	20 S1	80 oct. RR N.
Okoboji Airways (Spirit Lake, Iowa)	2.8 SW;hwy E	1450	20 S2	80 oct. Poles NE
Pender (Nebr)	1 NE;RR SW	1400	42 S1	80 oct.P-line SW,W,NW
Pipestone (Minn)	1 SE;RR E,W	1735	25 S6	80, 91 oct. No sto
Platte (S.D.)	1.2 NNE;RR SW	1650	28 S1	80 oct.Poles SE,S
Rancher's & Farmer's (Reliance, S.D.)	9 N;rd N,S		30 S1	73 oct.Data unver.
Rickenbacker (Stevens, S.D.)	1 N;riv E	1114	28 S6	80, 91 oct.
Sheldon (Iowa)	5 NNE;RR W	1444	33 S6	80 oct.P-line S,W,SW,SE
SIOUX CITY Range (Iowa)	335(YX) (116.1)	337°, 1.9	SBMRL2-DTV	(3);116.1,122.1
SIOUX CITY Tower (Iowa)	396 (126.18, 118.3)		AC	(4);126.18,118.3,122.3
(A) [Sioux City] (Iowa)	6.5 S;RR 1 NE	1097	69h L5 S5	80,91 oct.;91,100 oct.
SIOUX FALLS Range (S.D.)	245(YL)(vhf)	65°, 2.2	SBRA2-DTV	(4);116.1,122.1 mil acft.
(NC) [Sioux Falls Mun.](S.D.)	2.5 NNW;RR E	1420	57h L5 S6	80,91 oct;73,100 oct,
(P) Skrdla (Stuart,Nebr)	7.5 S	2090	30 S1	73 oct. [illegible]
(P) Spencer (Iowa)	2.9 WNW	1335	40 S6	80,91 oct. RR S
Storm Lake (Iowa)	3.5 SSW;1k NE	1300	36 S2	80 oct.
Thorne (Moneta, Iowa)	2.5 S	1410	25 S2	80 oct.P-line,trees W,
Vermillion (S.D.)	3.8 WNW	1140	25 S4	80 oct.Poles N,RR NE.
Wagner (S.D.)	1.3 S;RR N	1464	30 S1	73 oct.Poles E,NW.
(P) Wayne (Nebr)	1.8 E;RR N	1475	33 S4	80 oct.P-line NW,
(P) Western Union (Le Mars, Iowa)	1.3 SW;RR SE	1190	30 S6	80 oct. Low obst.
Winner (S.D.)	1.3 NE;RR SW	2038	26 S6	80,91 oct.
Worthington (Minn)	1.6 N	1570	32 S6	80 oct.No sto.Rot bcn
(P) Yankton (S.D.)	2.3 N;hwy W	1400	37 S6	80 oct. Twr E.
O'Neill (Nebr.)	2 NW;hwy N	2100	35 S6	80 oct.N,SE,S,SW blkd.
Janssen (Fulda, Minn)	5.5 SW	1500	21 S1	80 oct.
Fulda Mun (Minn)	0.5 NNW	1532	20 S4	80 oct.No sto.P-line S.
Hartley (Iowa)	7 SE;RR NE	1490	28	P-line SE.
Blue Mound Air Svc (LuVerne, Minn)	3 NNE;RR NW	1440	30 S2	80 oct.
Ida Grove Flying Svc (Ida Grove, Iowa)	2.5 SE;RR N	1100	20 S2	80 oct.

*S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3108, 4468, 6310 kcs. (4)-3108, 4468, 6310, 8117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice (vhf)-voice on 116.1 and 111.1 mcs. ✈Army A.C.S. transmits on and guards 116.1, 127.65, 140.50 mcs. h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII) ◄► NEW OR REVISED DATA (NC)-Not charted [Iowa]-Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FACILITY	FREQ., IDENT., ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Albert Lea (Minn)	2.3 N;RR E	1255	32 S6	80 oct. P-line N
Amboy (Minn)	1 NNE;RR W	1000	24 S2	80 oct.
Ames (Iowa)	2.5 SSW;RR NW	920	25 S6	80 oct. Lgt acft only.
Armstrong (Iowa)	3.2 NW;hwy S	1250	22 S1	Ltd 80 oct. Trees E.
Bellevue (Iowa)	3.1 N;riv E	652	18 S1	80 oct. Rough
Blue Earth (Minn)	3 S;RR E	1111	26 S1	80 oct. Flares on req.
(A) Camp McCoy (Wis)(A)	2 SSW	830	-0	
(P) Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Canfield (Waterloo, Iowa)	3.5 NW;RR NE	800	32 S6	87 oct. P-line N.
Carroll (Iowa)	4.2 ESE;RR N	1196	34 S2	80 oct.
Chapman (Waterloo, Ia)	5 E;RR NW	870	33 S6	80 oct. P-lines S.
Clarion (Iowa)	1.1 NW	1162	27 S6	80 oct.
Clermont (Iowa)	0.8 S;riv W	800	21 S6	80 oct. P-line SE, NE.
Conrad (Iowa)	3 WNW;RR S			ABANDONED blkd.
Decker (Austin, Minn)	1.7 E;hwy N	1224	29 S6	80 oct. No sto. N, S, W
Dows (Iowa)	1.5 SSE;RR NE	1144	26 S2	80 oct. NW.
(P) Dubuque (Iowa)	1.9 NE;riv E	602	27 S6	80,91 oct. Poles S, SE,
Dyersville Arwys (Ia)	0.8 S;RR NE	948	16 S1	80 oct. Pwr lines NW,
Elkader (Iowa)	1.1 ESE;RR S	915	19 S2	80 oct. P-line NW. NE. Rnwy data unver.
(P) Emmerts (Eldora, Iowa)	2.8 NE;RR SW	1000	32 S6	80 oct. Poles NW, SE.
Eno (Ft. Dodge, Iowa)	2.5 E;hwy W	1126	27 S6	91 oct.
(P) Estherville (Iowa)	3.5 E;hwy S	1298	35 L S6	80 oct. Port rnwy lgts. Poles SE, SW.
Fairmont (Minn)	3.1 S;hwy W	1190	25 L S1	80 oct. P-line W. Flares
Goodrich & Gross (Strawberry Pt, Iowa)	3.5 W;RR NE	1206	18 S1	Ltd 80 oct. on req.
Grundy Center (Iowa)	1.3 ENE;RR S			ABANDONED
Henry's (Floyd, Iowa)	5 NNE;RR W	1110	14 S1	ABANDONED
Independence (Iowa)	4.1 W;RR E	990	23 S2	80 oct. Poles N.
Iowa Falls (Iowa)	4.1 S;RR E	1140	24 S2	80 oct.
Jefferson (Iowa)	0.8 NNW;RR S	1052	23 S6	80 oct. No sto. P-line N.
LA CROSSE Range (Wis)	371 (LE) (116.1)	127°, 1.8	SBRAZ-DTV	(4); 116.1 No flood lgts.
(P) La Crosse (Wis)	5 NNW	653	53h L5 S4	80,91 oct. Bet rivs.
* La Crosse Int, 23A, CG-Twin Cities (Wis)	8 NNW; RR NE	667	37 L3	Pole E.
Lake City (Iowa)	3.5 NNE;RR S	1200	26 S1	80 oct.
LONE ROCK Range (Wis)	278 (LK) (116.1)	98°, 0.0	BMLZ-DTV	(4); 116.1
* Lone Rock Int, 15, CG-Twin Cities (Wis)	2 N;rd W, N	714	39 L3 S2	80,91 oct. P-line NE

FACILITY	FREQ., IDENT., ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
MASON CITY H Fac. (Ia)	227(NM)(116.1)		EHTV	(4); 116.1, 122.1 cont
(P) Mason City (Iowa)	7 W;hwy S	1215	56h L5 S6	80,91,100 oct. Poles
Mosher (Riceville, Ia)	1 W;hwy S	1263		80 oct. P-line S. SSE. Data unver.
Niederhauser (Marshalltown, Iowa)	2.3 N;hwy E			ABANDONED
Pocahontas (Iowa)	0.8 E	1216	25	Pole line SW.
Red Rock (Darlington)	5 SE;RR E		12 S1	80 oct. Data unver. (Wis)
Richland Center (Wis)	6 SSE;hwy W		23 S1	80 oct. Trees E, S. Data
ROCHESTER Range (Minn)	236 (RR) (116.1)	350°, 2.8	BMRLZ-DTV	(3); 116.1 unver
ROCHESTER Tower (Minn)	276 (118.7)		C	(4); 118.7, 122.5
Rochester Mun (Minn)	1.7 SSE;RR W	1041	42h L4 S6	80,91 oct. P-line E, N, W
Ryan (Emmetsburg, Ia)	1.3 W;RR N	1225	18 S2	80 oct. Trees NW.
Sac City (Iowa)	3 SSE;riv W	1160	19 S2	80 oct.
Saxon (Cedar Rapids, Ia)	7 NE;hwy S	880	26 S6	73 oct. P-line N
Sherburn (Minn)	2 WNW;RRs S, E	1300	21 S2	80 oct. Pwrline ESE.
Shullsburg (Wis)	1.1 S	1080	17 S6	80 oct. Trees SW.
Sparta-Angelo (Wis)	2.2 NE;RR E	800	25 S4	80 oct. Poles sur fld.
Squeeze (Algona, Iowa)	5 S;riv S	1201	26 S2	80 oct. P-line NW, W.
Tatro Fly Svc. (Decorah)	2.6 NW;riv W	918	26 S2	80 oct. (Iowa)
Tomah (Wis)	1 E;hwy S.	970	19 S4	80 oct. 180° hill E
Traer (Iowa)	1 ENE;RR SW	895	18 S2	80 oct. P-line E.
Tri-Mont (Triumph)	0.9 S;RR W, E	1250	24 S1	80 oct. (Minn)
(P) Waterloo (Iowa)	4 NW;RR S, E		54h L5 S1	80,91 oct. Data unver. No flood lgts.
Webster City (Iowa)	3.3 SW;riv E	1100	26 S4	80 oct. No sto.
Wesley (Iowa)	1.5 E;RR N	1250	31 S1	80 oct. P-line N, S.
Wicks (Garner, Iowa)	1.8 NW;RR S	1230	26 S2	80 oct. Poles NW, SW.
NEW FACILITIES				
Jackson (Minn)	2 N	1440	28 S2	80 oct. E-line S.
Charles City (Iowa)	3.3 E;RRS	1080	28 S2	80 oct. P-lines N, S, SW, NW.
Eco (Mason City, Iowa)	2.5 ESE;riv S	1215	26 S6	80 oct. P-line N, NW.
Oelwein (Iowa)	3 W	1050	26 S6	80 oct. P-line N, W.
Niederhauser (Marshalltown, Iowa)	4 N;hwy E	900	32 S6	80,91 oct. No sto. P-line N, W.
Marshall Fld (Marshalltown, Ia)	3 E	890	S6	80 oct. Data unver
Lancaster Flying Service (Wisc.)	1.8 NE;RR NW	1110	24 S6	80 oct. Fallen trees SE.
Mauston (Lemonweir, Wisc.)	2 SW;RR N	880	15 S1	Wisc.) 80 oct. N blkd.
Boscobel (Wisc.)	NE;RRS	670	27 S2	80 oct. Bluffs NNE, SE, NW.
Castle Rock (Wonewoc,	1.1 NNW;RRS	960	19 S1	80 oct. P-line NE, SW. (Wisc)
Tucker Fly. Service (New Lisbon, Wisc)	1.6 NNW;riv E	880	13 S1	80 oct. Trees E.
Platte (Platteville, Wisc)	3.1 S;RR E	1100	22 S2	80 oct. P-line NE, SW.

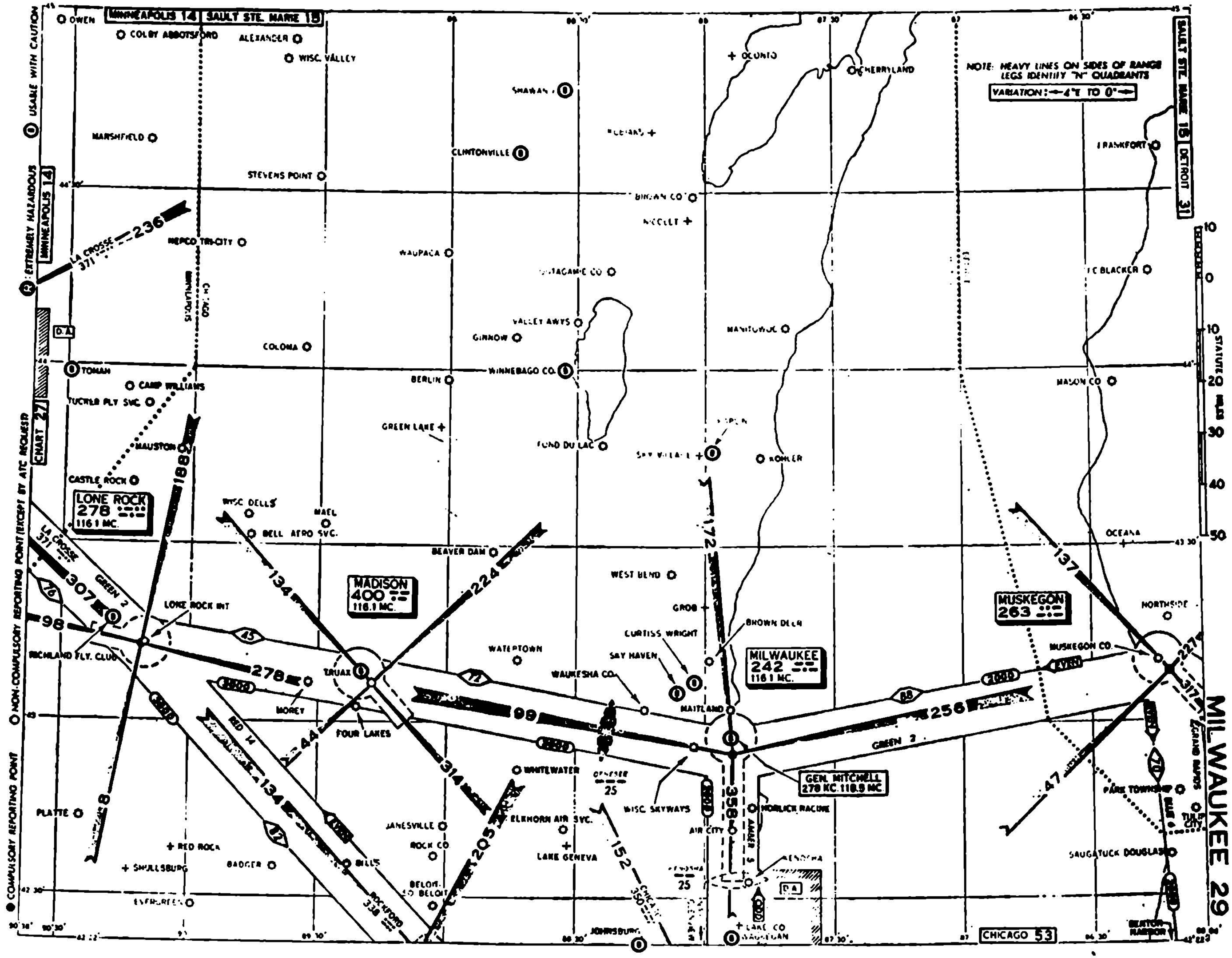
RADIO: S—Simul. Range and Voice. W—Without Voice. Z—VHF Range Station Location Marker. (3)—3108, 4495, 6210 kcs. (4)—3105, 4496, 6210, 9137.5 kcs.
[illegible] VHF Voice. (vhf)—Voice on 126.1 and 122.1 mcs. ✈—Army A.C.S. transmits on and guards 126.1, 127.95, 149.55 mcs.
[illegible] Scheduled time, Second Alternate time.

AIRPORTS: h—hard surfaced runways. L—Lighting facilities. S—Servicing (see page XIII)
—n—New or revised data. [Jones]—Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Air City (Sturtevant, Wis)	0.6 SE;hwy N	633	26 S6	80,91 oct.P-line NW Const. on strips.
Alexander (Wausau, Wis)	2.5 S;riv SW	1191	27 L4 S4	80,91 oct. Lgts prior req.
Badger (Monroe, Wis)	1.8 SW;RR N	1080	20 S4	80 oct. Fense S,W.Hwy E
Beaver Dam Inc. (Wis)	1.7 W;lake N,E	910	20 S4	80 oct.
Bell-Aero Service (Baraboo, Wis)	4 NNW;hwy W	980	21 S1	80 oct. N/S strip rough.
Beloit-S. Beloit (South Beloit, Ill)	1 S;RR E	772	33 S6	80,91 oct. Hill NE.
Bill's (Broadhead, Wis)	1.8 S;hwy S	780	24 S2	80 oct. SE blocked.
Brown Co.(Green Bay, Wis)	2.2 WSW;hwy SE	590	28 S6	80 oct.E,ESE,SE blocked.
Brown Deer (Milwaukee,Wis)	10 NNW;RR E	681	25 S6	80 oct. P-lines N.
Camp Williams (Camp Douglas, Wis)	1 N;RR SW	915	45h	
Chaplin Arpk (Plymouth,Wis)	0.5 N;RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay,Wis)	2 WNW	590	40 S2	80 oct.P-line W,S.Bldgs N
(P) Clintonville (Wis)	1 ESE;RR SW	828	34 S6	80,91 oct.NNW blocked. Pwr line NE,SW, W.
Colby-Abbotsford(Colby,Wis)	1.2 NNW;RR E	1400	26 S2	80 oct.P-line NNE.
Curtis-Wright (Milwaukee,Wis)	9 NW;riv W	750	27 S6	80.91 oct.NE,E blkd.Hi-line N.
East Side (Green Bay, Wis)	1.8 SE;RR S			ABANDONED
Elkhorn Air Service (Wis) (Warren,Ill.)	1.5 N;hwy E	1000	21 S6	80 oct. Rough and rolling P-line E, W.
Evergreen Flying Club	1.4 SSE;hwy W	1000	26 S1	80 oct.Private.
Fond du Lac (Wis)	2.6 ENE;hwy S	769	28 S4	80,91 oct.P-line N,NE,NW SE blocked.
Four Lakes (Madison, Wis)	3 SSE;lake N	881	25 S6	80 oct. P-line W.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GENERAL MITCHELL Tower	278 (118.5)		C	(4); 118.5, 122.5
(P) [General Mitchell] (Milwaukee, Wis)	6 S;RR E	676	50h L4 S6	80,91,100 oct.
Ginnow (Omro, Wis)	3 N;hwy E	800	19 S2	80 oct.Trees SW.Rough
Green Lake (Wis)	4 W;hwy S	950	22 S1	80 oct. Data unver.
Grob (Cedarburg, Wis)	2 N	875	24 S4	Data unver.
Horlock-Racine (Racine,Wis)	2 N;RRs E,W	665	25h L1 S6	80,91 oct.Trees N,SE.
Janesville City (Janesville, Wis)	1.8 NNE;RRs NW	880	26 S6	80.91 oct 51' twr SE; p-line E.
Jefferson (Wis)	1.7 WSW;riv E			ABANDONED.
Johnsburg Arpk (Ill)	0.4 SSW;riv S	740	20 S4	80 oct. P-line NNW.
Kenosha (Wis)	2 S;RR W	623	29 L S6	80,91 oct. Flood lgts. P-line SW, NW.
(P) Kohler (Wis)	1 N;hwy S	647	30 L1 S6	80,91 oct. SE blocked.
Kubiak's (Pulaski, Wis)	1.2 E	781	26 S4	Data unver.
Lake Co. (Waukegan, Ill)	4.4 NNW	718	40 S6	80,91 oct. Data unver.
LONE ROCK Range (Wis)	278(LK)(116.1)	98°,0.0	BMLZ-DTV	(4); 116.1
★ Lone Rock Int.15.CG-Twin Cities (Wis)	2 N;rd W,N	714	39 L3 S2	80,91 oct. No flood lgts. P-line NE.
MADISON Range (Truax)(Wis)	400(MA)(116.1)	314°,2.6	BMLZ-DTV	(4); 116.1
Mael (Portage, Wis)	1.6 NW;lake SE	820	26 S6	80 oct.Obsts sur fld.
Maitland (Milwaukee, Wis)	3 ESE;lake E	590	25 S6	73,80,91 oct.Stack S.
MILWAUKEE Range (General Mitchell)(Wis)	242(MK)(116.1)	352°,2.5	SBRAZ-DTV	(3); 116.1
Manistee-Blacker (Mich)	4 ENE;riv S	613	23 S4	80 oct.
Manitowoc (Wis)	1.6 NNW;RR W	653	26 L3 S6	80,91 oct. P-line W.SW SSE.Bndry lgts inop.
Marshfield (Wis)	2.3 SSW;RR NE	1253	26 L S6	80 oct.Flare pots in emerg.
Mason Co. (Ludington, Mich)	1.7 ENE;hwys S	640	30 S1	80 oct. Poles S.
Morey (Madison, Wis)	2 NNW;hwy E	928	33 S6	80 oct.S blkd.Trees NW.
MUSKEGON Range (Muskegon Co.) (Mich)	263(UK)	317°,2.8	BMRLZ-DT	(4)
(P) [Muskegon Co.] (Mich.)	3.5 S;lake N	627	40h L3 S6	80,91 oct.Bldg NE.Bndry lgts on req only.
Nasco Tri City (Wis.Rapids,Wis)	2.5 SSW;riv 1 W	950	35 L2 S6	80,91 oct.Lgts prior req.
Nicolet (De Pere, Wis)	1.5 S;RR E	620	22 S4	80 oct. P-line E,W. Data unver.
Oconto Falls (Wis)	2.7 ENE;RR S			ABANDONED.
Outagamie Co. (Appleton,Wis)	2.2 ENE;RR S	750	29 S6	80,91 oct.P-line NW.
Park Township (Holland, Mich)	3 WNW;bay S	612	27 L4 S6	73,80 oct. No bcn. Lgts prior req.
Red Rock (Darlington,Wis)	5 SE;RR E		12 S1	80 oct. Data unver.
Richland Fly. Club (Sextonville,Wisc)	0.2 NW;riv W	724	23 S2	80 oct.Pole W,Trees E,SSE.
(P) Rock Co. (Janesville, Wis)	4.5 SSW;RR W	807	54h L5 S2	80, 91 oct.
Saugatuck-Douglas (Douglas, Mich)	1.8 S;hwy W	670	26 S2	80 oct. W blkd.
Shawano (Wis)	2.3 ENE;lake NE	813	40 L S6	80,91 oct. Poles SW.Lgts prior req.Rnwy data unv.
Shullsburg (Wis)	0.5 S	1000	18 S1	80 oct. Trees SW.Data unver.
Skyhaven (Milwaukee,Wis)	10.5 WNW;hwy N	800	25 S6	80 oct. P-line N. Trees E,S; hill W
Sky Village (Plymouth, Wis)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point (Wis)	3 NE;hwy W	1090	40h S6	80, 91 oct.
(A) [Truax] (Madison, Wis)	5 NE;hwy E	859	60h L5 S6	80, 91 oct. ARMY TEMP INACT. CIVIL FACS.
Valley Airways (Neenah,Wis)	4 SSW;RR E	750	21 S2	80 oct.P-line E.Data unver.
Watertown (Wis)	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
Waukegan (Ill)	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Waukesha Co. (Wis)	1.8 N;hwy NE	904	31 S6	80,91 oct. S, NW blkd.
Waupaca (Wis)	4 ESE;hwy S	853	29 S2	80 oct. P-line S,SW.
Waupun (Wis)	3.5 W;hwy SE			ABANDONED
West Bend Fly.Svc. (Wis)	2.5 E;riv S	880	21 L3 S6	80 oct. Fld lgts prior req Poles sur fld.N,NE,NW
Whitewater (Wis)	2 N;RR S	810	22 S5	80 oct. P-line blkd. ESE. E,ENE blkd.
(P) Winnebago Co.(Oshkosh,Wis)	2 SSW;RR NE	776	50h L1 S4	80,91 oct.No sto.P-line NE N,W.Rnwy data unver.
Wisconsin Dells-Lake Delton (Lake Delton, Wis)	0.8 SE;riv NW	910	24 S6	80,91 oct.P-line SE.
Wisconsin Skyways (Hales Corner, Wis)	0.7 SSE;hwy W	770	21 S2	80 oct. Trees SW.
Wisconsin Valley (Rothschild)	2 S;RR,hwy W	1180	30 S4	80 oct,P-line N,NW.
NEW FACILITIES				
Northside (Muskegon,Mich)	5.4 NNE	590	29 S4	73 oct.No sto Refinery SW.
Oceana (Rothbury, Mich)	1 2W;hwy E	700	30 S1	80 oct.
Oconto Mun. (Wisc)	1.5 SW;bay E	590	36 S2	80 oct.P-line N.Data unver.
Tomah (Wisc)	1 E;hwy S	970	18 S4	80 oct.180' hill E
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S.Hwy W
Castle Rock(Wonewoc,Wisc.)	1.1 NNW;RR S	960	19 S2	80 oct,P-line N,S.Trees W.
Tucker Fly. Service (New Lisbon,Wisc.)	1.6 NNW;riv E	880	13 S1	80 oct,Trees E.
Platte (Platteville,Wisc.)	3.1 E;RR E	1100	22 S2	80 oct,P-line NE,SW,Trees S,SE.
Coloma (Wisc.)	3.0 NW;hwy E	1065	26 S2	80 oct,N,S blkd,
Berlin (Wisc.)	2.9 W;hwy S	780	20 S1	80 oct,SE blkd,P-line SW.
Owen (Wis)	0.7 NE;RR,hwy S	1270		80 oct.P-line N,NE,SW,W,NW.
Mauston (Lemonweir,Wisc)	2 W;RR N	880	15 S1	80 oct,N blkd.
Lake Geneva (Wisc)	5.5 NW;hwy E		29 S4	80,91 oct.Data unver.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.38 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized


MINNEAPOLIS 14
SAULT STE. MARIE 15
SAULT STE. MARIE 15
DETROIT 31
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 0°
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
MINNEAPOLIS 14
CHART 27
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
OWEN
COLBY ABBOTSFORD
ALEXANDER
WISC. VALLEY
MARSHFIELD
STEVENS POINT
CLINTONVILLE
SHAWANO
OCONTO
CHERRYLAND
FRANKFORT
BROWN CO
KAUKAUNA
MERCO TRI-CITY
WAUPACA
OUTAGAMIE CO
VALLEY AWYS
GINNOW
COLOMA
MANITOWOC
TC BLACKER
TOMAH
CAMP WILLIAMS
TUCKER FLY SVC
BERLIN
WINNEBAGO CO
MASON CO
GREEN LAKE
FOND DU LAC
SHEBOYGAN
KOHLER
MAUSTON
CASTLE ROCK
LONE ROCK
278
116.1 MC.
WISC DELLS
MAEL
BELL AERO SVC.
BEAVER DAM
MADISON
400
116.1 MC.
WEST BEND
GROB
BROWN DEER
CURTISS WRIGHT
SAY HAVEN
MILWAUKEE
242
116.1 MC.
MUSKEGON
263
NORTHSIDE
OCEANA
LONE ROCK INT
RICHLAND FLY. CLUB
WATERTOWN
WAUKESHA CO.
MAITLAND
MUSKEGON CO.
TRUAX
MOREY
FOUR LAKES
WHITEWATER
GEN. MITCHELL
278 KC. 118.9 MC
WISC. SKYWAYS
AIR CITY
KENOSHA
PARK TOWNSHIP
SAUGATUCK DOUGLAS
PLATTE
RED ROCK
SHULLSBURG
BADGER
JANESVILLE
ROCK CO
ELKHORN AIR SVC.
LAKE GENEVA
BELOIT
ESTHERVILLE
JOHNSBURG
LAKE CO
CHICAGO 53
BEATON-RAMPTON
MILWAUKEE 29
STATUTE MILES
10
0
10
20
30
40
50
307
98
278
99
256
44
314
134
224
137
47
358
172
205
152
188
227
317
CHICAGO
GREEN 2
RED 14
AMBER 3
ROCKFORD 338
CHICAGO 350
DETROIT 227
GRAND RAPIDS
US CROSSE 371
LA CROSSE 371
236

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abrams (Grand Ledge, Mich)	1.5 NE	844	26 S2	80 oct.S,W blkd.Trees E.
Allegan (Michi)	1.9 E; RR S	701	21 S4	80 oct.P-line SE.Trees NW.
Allen's (Pontiac, Mich)	5.5 NNE;RR W	1020	26 S6	80 oct. Pole NW;SW blkd.
(P) Alma (Mich)	1.3 NE;riv SE	750	32 S4	80 oct. Tanks S.
Au Gres (Mich)	0.9 NNW;hwy S	590	20 S1	80 oct.Poles SW. NW blkd.
Austin Lake (Kalamazoo,Mich)	8.5 SSE;lake N	860	27 S4	80 oct.Poles N.Trees E,S,W
Aviation Co.Club(Galesburg)	1.8 WSW;lake S	800	19 S1	80 oct.Trees NE,NW(Mich)
Baker's (Port Huron, Mich)	3 NNW;riv N,E	585	26 S6	80 oct. Poles NW,N,S,SW
Baldwin (Mich)	1.3 SSE;RR W	835	23 S2	80 oct.Trees NE. blkd.
Bangor (Breedsville, Mich)	0.6 WNW;RR E	654	18 S4	80 oct N blkd.Trees S.
Barry (Saginaw, Mich)	3 WSW;riv S	599	19 S2	80 oct.
BATTLE CREEK Range(Kellogg)	272(JC)(116.1)	3°, 3.2	BMLZ-DTV	(4); 116.1 (Mich)
Beach (Charlotte, Mich)	1.8 ENE;RR NW	880	25 S6	80 oct.
Belding Fliers Inc. (Mich)	2.1 W;RR E	790	27 S6	80 oct.S blkd.Trees W,NE.
BISHOP Tower (Mich)	2.8 (118.3)		C	(4); 118.3, 122.5
(P) [Bishop] (Flint, Mich)	4 SSW;hwy N	781	50h L5 S6	80, 91 oct. Trees N,NE.
Brooks (Marshall, Mich)	1.3 S;hwy W	950	26 L3 S6	80 oct.P-line SW,W.
CADILLAC H Fac.(Int)(Mich)	269(KK)(116.1)		MHTV	(4):116.1,122.1
(P) Cadillac,23,TL-VC (Mich)	2.5 NW;RR E	1297	34 L3 S6	80 oct.
(P) [Capital City] (Lansing,Mich)	3.8 NW;RR S	857	42h L4 S6	73,80,91 oct.
Caro (Mich)	3 WSW;RR SE	741	22 S2	80 oct.S,SE blkd.
Center (Armada)	2.3 W;RR S	666	25 S1	80 oct.P-line N.
Croswell City (Mich)	1 W;RR,riv E	732	26 S1	80 oct. S blkd.
Dalton (Flushing, Mich)	2.2 E;riv 0.8 SW	735	26 S4	80 oct.N,S appchs blkd.
DETROIT H Fac (Mich)	338(D)	329°,2.2	MHW	(Cont.) Detroit
Doherty (Clare, Mich)	1 NE;hwy W	840	21 S1	80 oct. Rough-caution.
Elsie (Mich)	0.3 SSE;RR NNE	730	19 S2	80 oct. Bldg W.
Evart (Mich)	1 WSW;RR S	1035	24 S1	80 oct. P-line N,S.
FLINT H Fac. (Mich)	335(FN)(vhf)		MHTV	(3);116.1,122.1
Forrest (Fostoria, Mich)	3.4 S;riv SE	830	24 S1	80 oct P-line sur fld.
Frankfort (Mich)	1.9 ESE	650	29 S2	73,80,91 oct.
GLADWIN H Fac. (Mich)	257 (GU		MHT	(4)
(P) Gladwin (Mich)	0.5 SSE;riv W	780	35 L3 S2	80 oct.
GRAND RAPIDS Range (Kent Co)	329(GR)(116.1)	303°,2.0	BMRLZ-DTV	(4); 116.1 (Mich)
Grand River Arpk (Comstock Park, Mich)	0.4 SW;riv E	614	30 S2	Fuel & sto.P-lines S, N.
Greenville (Mich)	2.5 S;RR E	800	22 S2	80 oct.Poles W,NE,E
Harbor Beach (Mich)	2.5 W;rd S	670	20 L S2	80 oct.Floods prior req Poles SE,NE
Harrison (Mich)	2.3 NNW;hwy E	1100	26 S2	80 oct S blkd.Ctn-rough.
Hastings (Mich)	3.2 WNW;RR SW	802	34 S6	80 oct.P-line N.Trees sur fld
Houghton Lake (Houghton Hgts)	1.2 WNW;lk NNE	1150	27 S2	73,80 oct Rdo twr W,N lgtd.
Howell (Mich)	0.8 N;lake E	930	20 L1 S1	80 oct.
Ionia (Mich)	3 S;hwy W	810	24 S6	80 oct. Poles W.
Jack Barstow (Midland,Mich)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE.
James Clements (Bay City)	3.5 S;riv S,W	599	36 L1 S4	80 oct.Bcn prior req (Mich)
JACKSON H Fac. (Mich)	257 (JN)		MHT	(4)
Jewett (Mason, Mich)	1.3 SE;RR W	920	22 S2	73 oct. Poles W.
Johnson's (Ithaca, Mich)	1 ENE;RR S	750	17 S2	80 oct. Ltd sto.
(P) [Kellogg] (Battle Creek,Mich)	3 WSW;RR bed W	936	62h L5 S6	80-100 oct.Lgts on req.
(P) [Kent Co.](Grand Rapids,Mich)	3.5 S;RR NE	681	44h L3 S6	80,91 oct Obst sur fld Rdo rep
Lakeview (Mich)	1.1 NNE;lake S	900	19 S6	80 oct.Trees N,E,NW.
LANSING Range (Capital City)	206(LJ)(116.1)	280°,3.0	SBMRAZ-DTV	(4);116.1 (Mich)
(P) Lapeer (Mich)	2.4 ENE;RR S	830	34 S6	80 oct.Poles NW;bldg W,SW
La Porte (W.Branch,Mich)	6 SE;RR W	890	26	P-line NW.Trees NE,SW.
Leach (Hartford, Mich)	1 NNW;RR E	664	26 S5	80 oct.
(P) Lindbergh (Kalamazoo,Mich)	3 W;RR W	872	40h S6	80,91 oct.P-line SE,S.
Maple Rapids (Mich)	0.7 ESE;riv N	760	21 S2	80 oct.Obst sur fld,Ctn soft.
Marks (Lawton, Mich)	1 N; RR S	770	25 S5	80 oct. Poles W, ENE.
(P) Mecosta Co.,5,GR-TG (Big Rapids, Mich)	1.5 NW;RR E	928	39 L3 S4	80 oct. Pole SE
Miller (Eaton Rapids,Mich)	1 ENE;riv W	908	21 S1	80 oct.
NEW FACILITIES				
Hutchinson's Sunnyside (Moorland,Mich)	3.2 WNW;RR S	675	20 S2	80 oct.
Grant Mun (Mich)	1.8 ESE;RR E	705	27	Trees NE,E, E,S.
Daunder Fld(Fenton,Mich)	1.5 N;lk W	890	26 S1	80 oct.P-line W,NW,trees
David Airfld (Athens,Mich)	1.3 SSW;hwy E,S	915	26 S1	80 oct.Poles E,trees S,W.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Mt. Pleasant (Mich)	2.2 NE;riv N	755	36 S4	80,91 oct,E,SE,SW,W,NW blkd.
MUSKEGON Range (Muskego., Co)	263 (UK)	317°,2.8	BMRLZ-DT	(4) (Mich)
Newaygo (Mich)	0.8 SSE;hwy W	785	20 S5	80 oct. Trees S.
Northside (Muskegon,Mich)	5.4 NNE	598	29 S4	80 oct. All appchs blkd. Ctn-use strips.
(A) Oscoda AAF (Mich) (A)	3.5 NW;lake E	605	50h	
Park Twnship (Holland,Mich)	3 WNW;bay S	612	27 L4 S6	80 oct.No bcn.Lgts prior req. Poles S,SE,W.
Paw Paw (Mich)	2 N;riv NE	720	24 S1	80 oct.Trees N,E,hill S,poles W
Pontiac (Mich)	6.4 WNW	970	21h L4 S6	80,91 oct.
(P) Reynolds (Jackson, Mich)	2.5 WNW;RR S	990	40h L5 S6	80,91 oct.P-line SE,S.Lgts on req
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1
Roscommon (Mich)	2.5 SE;RR NE	1100	42	P-line S.
Roscommon Co.(Prudinville)	4.5 N;riv N	1150	24	Trees sur fld. (Mich)
SAGINAW H Fac. (Mich)	212 (SI)		MHT	(4)(cont)
Saginaw (Mich)	4.5 E;RR N,S	601	33 L4 S6	80 oct,L.Poles S,SE,SW. Lgts on req.,Trees NW,NE
St. Clair Co.(Port Huron,Mich)	5.5 SW;hwy S	650	23 L1 S5	80 oct.Poles NE,SE,SW.
St. Helen (Mich)	0.9 SE;RR NE	1153	26	
Saugatuck-Douglas (Douglas, Mich)	2 S;hwy W		26 S1	73 oct. Data unver.
Seely's (Davison, Mich)	4 WSW;RR N	780	20 S6	80 oct.N,NE blkd.
SELFRIDGE Army Range (Mt. Clemens, Mich)	388 (DLD)	119°,1.2	SBMRAZ	(3); 126.18
SELFRIDGE Tower (Mich)	396(126.18,137.88)+		CA (ILS-W)	(3);137.88 (GCA)
(A) Selfridge (Mt.Clemens,Mich) (A)	3 E;lake NE	583	60h L5 S6	73,100 oct.IP-1.Poles E. FOREIGN CLEAR.STN.
Shiawassee Co.(Owosso,Mich)	2 E;riv S;RR W	740	24 S2	80 oct. Poles sur fld.
Skyhaven (Saginaw,Mich)	2.5 N;riv E	600	28 S2	80 oct. Trees NE. N.
Sparta (Mich)	2.7 SE;RR W	752	25 S6	80 oct. Trees SE.
Timbers Sky Camp (S.Branch)	0.2 NE;riv E	950	24 S1	80 oct. (Mich)
(P) [Tri-City](Saginaw,Mich)	10 NW;RR SW	660	57h	"SVC & L6 LGTS FOR PCA ONLY"
West's (Clio, Mich)	4 SW;rd E	690	21 S2	80 oct.
White Cloud (Mich)	0.5 N	872	18	Twr SE P-lines NE,SW.
Wings (Utica, Mich)	2.5 SW;RR E	630	23 S1	73 oct.N,NE blkd.

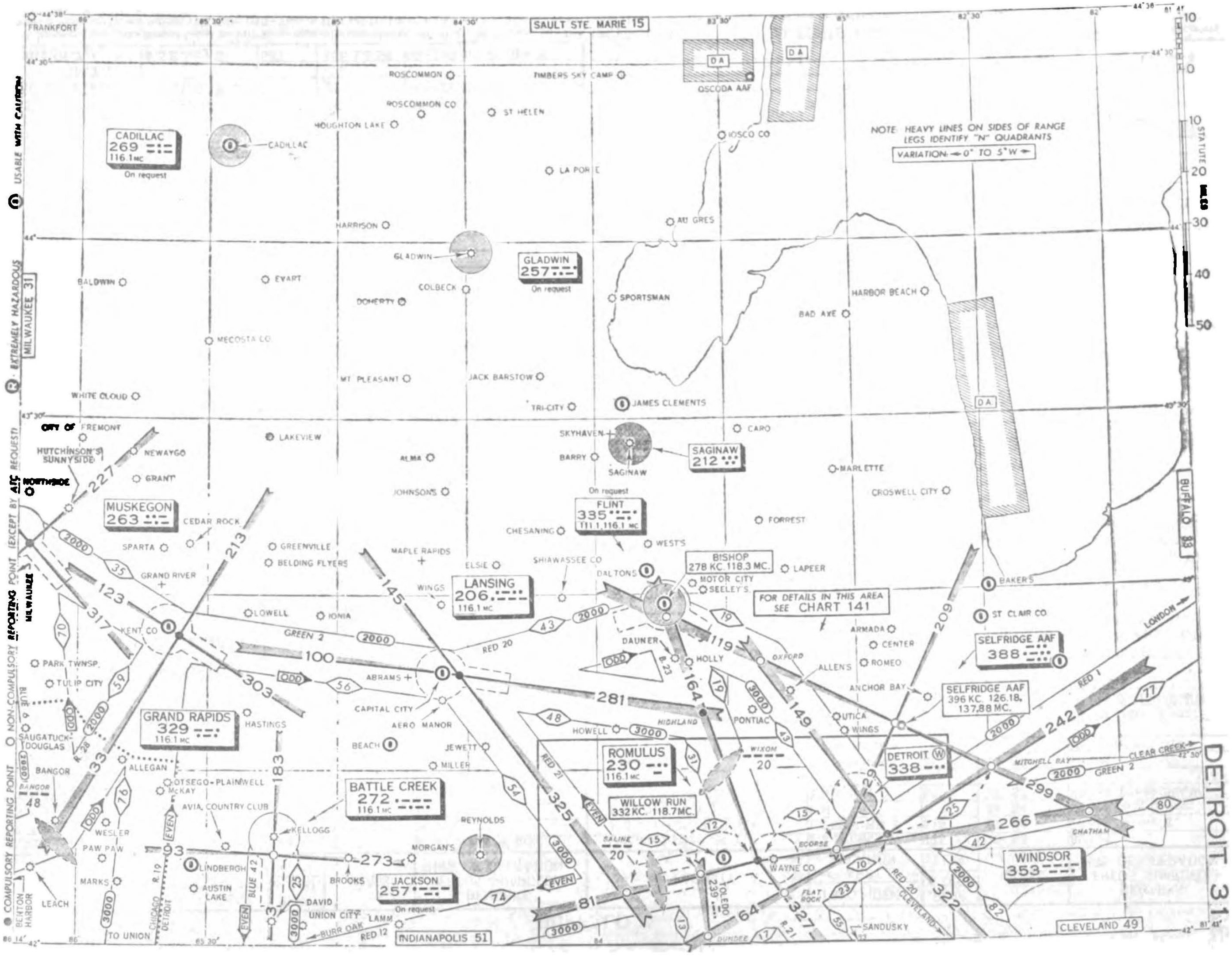
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LC LZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SELFRIDGE (A)	109.5	332.6	184°	IM- . (0.23)	MM- ••••••(0.83)	OM- — — (4.31)
					MMK-	OMK-
→ WILLOW RUN	109.5	332.5	50°	IM-	MM- - - -(0.65)	OM- — — (5.80)
					MMK-341 — (0.65)	OMK-359 • — — (5.80)

NEW FACILITIES				
Utica (Mich)	2.7 WNW;hwy S	710	20 S1	Ltd 80 oct.P-line NW,SE Soft
Romeo (Mich)	2 ESE;lake E	730	30 S1	80 oct.N blkd.Poles W,RR N,W
(NG) Wayne Co. (Detroit,Mich) (NG)	16 SW;RR N	630	61h S3	100 oct.1-ech main. NG. ARPT OF ENTRY.
(P) [Willow Run](Ypsilanti)	4.5 E;riv S	715	74h L5 S1	RR N (Mich)
Anchor Bay (New Baltimore)	0.5 NNE	615	25 S2	80 oct Trees sur fld (Mich)
Armada (Mich)	3 NNE;RR 0.8 N	660	26 S2	80 oct S,W blkd Trees E
Bad Axe (Mich)	1.2 SW	760	22 S2	80 oct.P-line NE,SE Twr
Chesaning (Mich)	0.8 W;hwy NE	639	24 S1	80 oct P-line E,S NW
City of Fremont/Fremont,Mich	2.8 SW;RR NW	800	30 S1	80 oct Poles S,NW
Aero Manor(Millett,Mich)	1.4 E;riv NW	858	30 S5	80 oct.Poles NW,trees NE,NW
Holly (Mich)	1 NW;lk E;RR S	913	20 S2	80 oct Trees NE,W,S
Iosco Co.(E.Tawas,Mich)	1 N;lake 0.5 N	597	19	P-line W
Knapp (New Hudson,Mich)	0.5 SW;RR SE	947	25 S1	80 oct N blkd
Lowell (Mich)	1.3 N;riv SE	700	18	Trees NW
McKay(Plainwell,Mich)	1.5 W;riv N	732	26 S2	80 oct Trees N,S,SW
Morgan's(Albion, Mich)	2.2 E;hwy N	965	21 S6	80 oct P-line N Trees NE,
Wesler (Gobles,Mich)	0.6 SSW;hwy E	690	24 S2	73,80 oct.E blkd S,SW P-line N. Tree W
Tawas City (Mich)	1WSW;rd S	595	19 S1	80 oct.P-lines S,SE,SW
WINDSOR Range (Ont.Can.)	353(QG)	243°,3.3	SBRAZ-T	3105,6210,3117.5
→ WILLOW RUN Tower (Mich)	332(118.7)		C(ILS)	(4);118.7
Tulip City(Graafschap,Mich)	1.5 ESE;RR E	680	26 S2	80 oct.P-line W,S. Hwy W.
Wings (St.Johns,Mich)	2.7 SW;RR N	760	21 S1	80 oct,Trees SE,NE.
Otsego-Plainwell Mun(Plainwell)	1.5 N;riv NW	727	26 S2	80 oct.Poles E,S. (Mich)
Ceadar-Rock (Edgerton,Mich)	0.8 SE;RR W	750	25 S1	80 oct.Poles SW.
Motor City Sky Park(Flint,Mich)	3.7 E;RR S	795	21 S1	80 oct.Trees NE,NW.
Marlette (Mich)	1.3 N;hwy W	825	18 S1	80 oct.Trees S,NW.
Sportmans (Pinconning,Mich)	1.7 ESE;riv N	592	27 S2	80 oct.Trees SW,NW.
Union City (Mich)	1 SW	900	27 S2	80 oct.Trees N,ENE,S.
Lamm (Litchfield,Mich)	2 N	957	22 S2	80 oct.P-line N,trees E.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4496, 6210 kcs. (4) – 3105, 4496, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 127.65, 140.55 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) →← New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


SAULT STE. MARIE 15
FRANKFORT
ROSCOMMON
ROSCOMMON CO
TIMBERS SKY CAMP
OSCODA AAF
HOUGHTON LAKE
ST HELEN
IOSCO CO
CADILLAC
269
116.1 MC
On request
CADILLAC
LA PORTE
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 0° TO 5°W
HARRISON
AU GRES
GLADWIN
GLADWIN
257
On request
BALDWIN
EVART
COLBECK
DOHERTY
SPORTSMAN
HARBOR BEACH
BAD AXE
MECOSTA CO
MILWAUKEE 31
MT PLEASANT
JACK BARSTOW
WHITE CLOUD
TRI-CITY
JAMES CLEMENTS
CITY OF FREMONT
LAKEVIEW
SKYHAVEN
CARO
HUTCHINSON'S SUNNYSIDE
NEWAYGO
BARRY
SAGINAW
SAGINAW
212
On request
NORTHSIDE
GRANT
ALMA
MARLETTE
JOHNSONS
CROSWELL CITY
MUSKEGON
263
CEDAR ROCK
FLINT
335
111.1, 116.1 MC
FORREST
CHESANING
WEST'S
SPARTA
GREENVILLE
BELDING FLYERS
MAPLE RAPIDS
ELSIE
SHIAWASSEE CO
DALTONS
BISHOP
278 KC. 118.3 MC.
MOTOR CITY
SEELEY'S
LAPEER
GRAND RIVER
WINGS
LANSING
206
116.1 MC
FOR DETAILS IN THIS AREA SEE CHART 141
BAKER'S
LOWELL
IONIA
KENT CO
GREEN 2
RED 20
DAUNER
HOLLY
OXFORD
ARMADA
CENTER
ST CLAIR CO
SELFRIDGE AAF
388
ALLENS
ROMEO
ANCHOR BAY
PARK TWNSP.
TULIP CITY
ABRAMS
CAPITAL CITY
AERO MANOR
SELFRIDGE AAF
396 KC. 126.18, 137.88 MC.
GRAND RAPIDS
329
116.1 MC
HASTINGS
HOWELL
HIGHLAND
PONTIAC
UTICA
WINGS
SAUGATUCK-DOUGLAS
BEACH
JEWETT
MILLER
ROMULUS
230
116.1 MC
WIXOM
DETROIT (W)
338
BANGOR
ALLEGAN
OTSEGO-PLAINWELL
McKAY
AVIA, COUNTRY CLUB
BATTLE CREEK
272
116.1 MC
WILLOW RUN
332 KC. 118.7 MC.
MITCHELL BAY
CLEAR CREEK
GREEN 2
WESLER
KELLOGG
REYNOLDS
SALINE
PAW PAW
LINDBERGH
MORGAN'S
WAYNE CO
BOSSE
CHATHAM
WINDSOR
353
MARKS
AUSTIN LAKE
BROOKS
JACKSON
257
On request
TOLEDO
239
FLAT ROCK
RED 20
CLEVELAND
LEACH
DAVID
UNION CITY
LAMM
BURR OAK
RED 12
SANDUSKY
TO UNION
INDIANAPOLIS 51
CLEVELAND 49
DETROIT 31
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATS REQUEST)
STATUTE MILES

BUFFALO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albion (N.Y.)	0.8 S;hwy W	600	29 S1	80,91 oct.E,W blkd.
Angola (N.Y.)	1.4 N;RR SE	610	15 S1	80 oct.
Arcade (N.Y.)	2 N;RR E,W	1740	22 S4	Ltd 80 oct.
Audubon (Getzville,N.Y.)	1.7 SSW;RR SW	580	19 S6	80 oct.
Barker (N.Y.)	0.6 NW;RR S	340	13 S6	80 oct.ESE blkd.
→Batavia (N.Y.)	2.4 NNE;rd W	910	30 S6	80 oct.P-line W;trees S.
Bath-Hammondsport (Hammondsport,N.Y.)	2 SSW;hwy SE	725	18 S1	80 oct.Hill 0.6 E.Data unverified.
Becker (Brockton,N.Y.)	0.7 S;RR S	320	15	
Brizee-Harmon (Pittsford, (N.Y.)	2 E;RR N	422	25 S4	80 oct.P-line S,NW,SW.
BUFFALO Range (N.Y.)	260(BJ)(116.1)	230°,0.9	SBRAZ-DTXV	(3);116.1
BUFFALO Tower (N.Y.)	278(126.18, 118.5)		AC(ILS-W)	(4);126.18,122.5,118.5
(A)[Buffalo](N.Y.)	6.1 ENE;RR N	711	56h L6 S6	80-100 oct;100 oct Army ARPT OF ENTRY.
Buffalo Arpk (Gardenville)	1.5 ENE;rd S	680	27 S6	80 oct. (N.Y.)
CLEAR CREEK Range (Ontario,Canada)	248(QO)		BRAZ-T	(4)
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct.P-line W. (N.Y.)
Country Club (Clarence,N.Y)	2.3 E;RR S	800	36 L S6	80 oct.Port lgts on req. Trees SW.
County Line (North Tonawanda,N.Y.)	3.4 E;RR SW	577	21 S4	80 oct.
DANSVILLE MH Fac (N.Y.)	212 (DA)(116.1)		MHTV	(4);116.1
Dansville (N.Y.)	1 NW;RR NE	662	40h L3 S6	80 oct.P-line N.
DUNKIRK H Fac (N.Y.)	239(DK)(116.1)		MHTV	(4);116.1
Dunkirk (N.Y.)	3 E;RR N,S	692	40h L5 S6	80,91 oct.
Fredonia (N.Y.)	3.5 W;RR SE	620	26 S2	80 oct.P-line N,E.
Gowanda (N.Y.)	1.4 NNW;crk W	760	22 S6	80 oct.
Graf (Lockport,N.Y.)	2.8 N;RR S	380	15 S6	80 oct.
Hamburg (N.Y.)	2 NNW;RR W	722	23h S4	80 oct.P-line NE.
Hilton (N.Y.)	2.6 WSW;RR N	325	16 S1	80 oct.Fence E,S,SE.
Honeoye Falls (N.Y.)	0.8 SW;RR E	700	20 S4	80 oct.P-line NE,NNW.
Hornell (N.Y.)	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur
Hylan (Rochester,N.Y.)	6 S;RRs N,S,W	525	27 S6	80 oct.Trees E. fld.
Lakeview (Burt,N.Y.)	2.2 W;RR S	300	13	
Lakeview (N.Y.)	1.5 E;hwy W	750	19 S2	80 oct.
Lee (Lockport,N.Y.)	1.8 SSE;hwy N	640	18h S2	80 oct.P-line N.
LONDON Range(Ontario, Canada)	382 (XU)	144°,3.3	SBRAZ-T	3105,6210,3117.5
LONDON Tower (Ontario, Canada)	278		CI	3105,6210,3117.5
Mason (Geneva,N.Y.)	3.5 WSW;RR SE	790	19 S1	80 oct.P-line S.
Meacham-Genesee (Rochester,N.Y.)	6 S;RR N	564	22 L S6	80 oct.Flood lgts in emerg.
Medina (N.Y.)	2 W;RR S	500	21 S1	80 oct.Obst sur fld.
NIAGARA FALLS Tower (N.Y.)	272 (126.18) ◆		CI	(4);126.18,122.5 (7-21)
(P)[Niagara Falls](N.Y.)	4.5 E;hwy S	587	55h L5 S4	80-100 oct.P-line E.
Orchard Park (N.Y.)	2.2 N;hwys W	775	20 S3	80 oct.
Palmer (Olcott,N.Y.)	1.2 SSW;RR S	315	17 S2	73 oct.P-line E.
Palmyra (N.Y.)	1 N		24 S4	80 oct.Data unver.
Pembroke (E.Pembroke, N.Y.)	2.5 W;hwy S	900	17 S2	80 oct.Trees SW,W.
Penn Yan (N.Y.)	1.1 S;lake W	850	20 S2	80 oct.
Perry Central (N.Y.)	1.7 NNW;lake SSW	1400	23	P-line,trees N,E.
Perry-Warsaw (Perry,N.Y.)	3 WNW;hwy N	1555	15 S2	80 oct.Data unver.
Ridgeway (Rochester,N.Y.)	3.7 W;canal ESE	530	18 S1	80 oct.P-line W,NW,SE.
ROCHESTER Range (N.Y.)	206(RC)(116.1)	298°,2.2	BMRLZ-DTV	(4);116.1
ROCHESTER Tower (N.Y.)	278		CI	3105,4495 (8-24)
(N)[Rochester] (N.Y.)	3.7 SW;riv S	549	44h L5 S6	80,91 oct.ARPT OF ENTRY.NATS(Hospital flights)
Rushville (N.Y.)	2.5 NNE	1120	20 S1	Data unver.
Scenicaire (Geneva,N.Y.)	3 S;lake E	550	27 S4	80,91 oct.
Scott (Lancaster,N.Y.)	1.5 E;RR N,S	680	22 S1	80 oct.P-line SW.Rnwy
Seneca Falls (N.Y.)	2.2 SE	490	28 S2	80 oct. data unver.
Shawnee (North Tonawanda,N.Y.)	4.5 NNE;riv SE	580	33 S6	80 oct.P-line E,W.
Sheridan (Williamsville)	2.5 NE;hwy SE	640	38 S6	80 oct. (N.Y.)
Silver Creek (N.Y.)	1 WSW;hwy SE	720	11	Trees E,NW
Silver Springs (N.Y.)	0.5 E;lake NE	1420	15 S1	80 oct.
Springville (N.Y.)	1.5 NE;RR W	1395	26 S4	80 oct.P-line N,E.Rnwy data unver.
Steffen (E. Amherst,N.Y.)	3.5 N	582	22 S6	80 oct.Obst sur fld.
STIRLING (Ontario,Canada)	335 (QC)	171°, 14.0	SBRAZ-T	3105,6210,3117.5
Tonawanda (N.Y.)	3 SSW;RR E	610	30h S4	80 oct.Rough.Obst sur fld.
TORONTO Range (Ontario, Canada)	368(YZ)	17°,4.0	SBRAZ-TX	3105,6210,3117.5
TORONTO Tower (Ontario)	278		CI	(4) (Canada)
Transit (Depew,N.Y.)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Wallington (Sodus,N.Y.)	2.5 ESE;RR S		17 S2	80 oct.Wires S.Ctn when wet.Data unver.
Werle (Dunkirk,N.Y.)	1.8 ENE;RR N,S	640	22 S1	80 oct.P-lines,trees sur fld.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BUFFALO	109.9	333.8	232°	IM-	MM-•—•—(0.66)	OM- — — (4.20)
					MMK	OMK-201 —•—
				IM-	MM-	OM-
					MMK-	OMK-

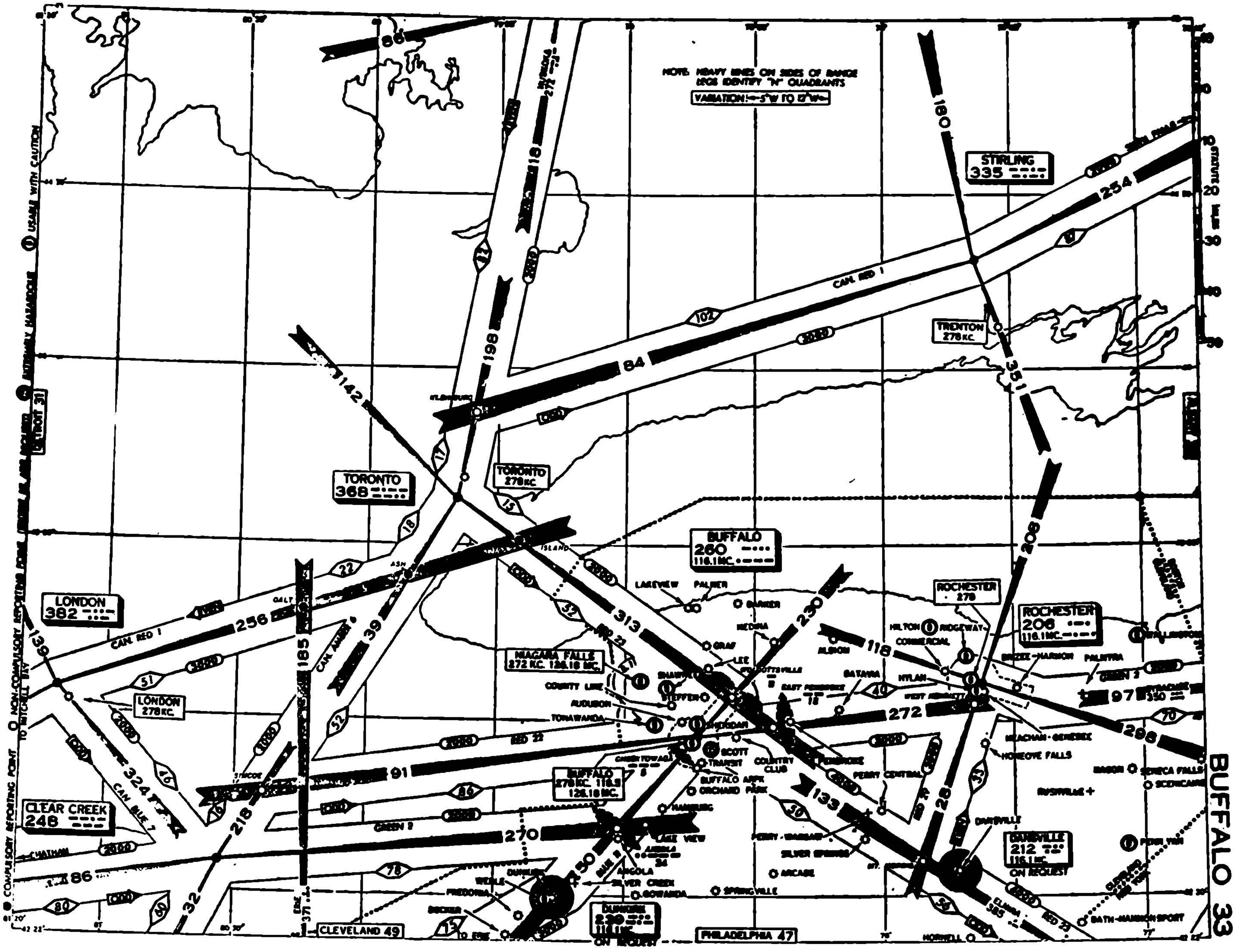
NEW FACILITIES

TRENTON Tower (Ontario, Canada)	278		CA	3105,6210

RADIO: S–Simul. Range and Voice. W–Without Voice. Z–VHF Range Station Location Marker. (3)–3105, 4495, 6210 kcs. (4)–3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)–Voice on 116.1 and 111.1 mcs. +–Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h–hard surfaced runways. L–Lighting facilities. S–Servicing (see page XIII) →New or revised data. [Jones]–Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 5°W TO 12°W
STIRLING 335
TRENTON 278 KC.
TORONTO 278 KC.
TORONTO 368
BUFFALO 260 116.1 MC.
ROCHESTER 278
ROCHESTER 206 116.1 MC.
LONDON 382
LONDON 278 KC.
NIAGARA FALLS 272 KC. 126.18 MC.
BUFFALO 278 KC. 116.1 126.18 MC.
CLEAR CREEK 248
DANSVILLE 212 116.1 MC. ON REQUEST
DUNKIRK 230 116.1 MC. ON REQUEST
CLEVELAND 49
PHILADELPHIA 47
BUFFALO 33
CAN. RED 1
CAN. RED 2
CAN. BLUE 1
CAN. BLUE 2
GREEN 1
GREEN 2
RED 22
AUTOMATIC HAZARDOUS
USAME WITH CAUTION
NON-DIRECTIONAL BEACON
COMPULSORY REPORTING POINT
TO DETROIT 31
TO ERIE
TO BUFFALO
TO ROCHESTER

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALBANY Range (N.Y.)	263(AZ)(116.1)	195°,3.1	SBRAZ-DTV	(3);116.1
ALBANY Tower (N.Y.)	278 (118.3)		AC	(4);116.1,118.3,122.5
[Albany] (N.Y.)	6.9 NNW;riv N	282	35h L5 S6	80-100 oct.ARPT OF ENTRY
Amsterdam (N.Y.)	6 N;rd NW	887	18 S6	80 oct.Ltd 91 oct.Use strips
Auburn (N.Y.)	3.7 NNW;lake E	525	24 S4	80 oct.Poles,trees sur fld.
Austin (Swanton,Vt)	1.7 NE;RR .4 SE	235	21 L S6	80,91 oct.Port rnwy lgts prior req.ARPT OF ENTRY
Ballston Spa (N.Y.)	3 N;RR E	433	40h S4	80,91 oct.
(P)[Barre-Montpelier](Barre,Vt)	3 W;pond SW	1149	41h L5 S6	80,91 oct.
Bennington (Vt)	2.5 WNW	830	13 S1	80 oct.470' hill WNW.
Bonnie Brae (Owasco,N.Y.)	1.7 SW;RR W	960	17	Cattle on fld.
Boonville (N.Y.)	4.5 ESE;riv NE	1273	29 S1	80 oct.Obst sur fld.
Bradley (Watertown,N.Y.)	2.2 N;RR E	435	25 S6	80 oct.P-line W,SW;S blkd.
Brattleboro-Hinsdale(Hinsdale)	2.7 NW;RR W	360	18 S4	80 oct.Flares prior req.(NH)
Briggs (Carlisle,N.Y.)	0.6 SE;RR W	1320	12	
Bristol (Vt.)	0.7 W;riv SE	570	21 L S6	80 oct.Port rnwy lgts prior req.
BURLINGTON Range (Vt)	323 (JG)(116.1)	151°,2.8	SBRAZ-DTV	(3);116.1. [ENE blkd.
BURLINGTON Tower (Vt)	278 (126.18,118.7)		C	(4);126.18,122.5,118.7.
(NG)[Burlington] (Vt.)	3 E;riv NE	334	44h L5 S6	80,91 oct.ARPT OF ENTRY
Canastota (N.Y.)	1.3 WSW;RR N	540	22 L1 S1	80 oct.
Carthage (N.Y.)	1 E;RR NW	740	20 S1	80 oct.P-line W.
Cayuga (Ithaca,N.Y.)	3.8 WNW;hwy E	1280	23 S1	80 oct.P-line E.
Champlain (Colchester,Vt)	6.3 W;RR W	120	17 S4	80 oct.
Cicero (N.Y.)	0.5 NW;lake SW	416	21 S4	80 oct.
Claremont (N.H.)	1.3 W;riv NE	520	28h S6	80,91 oct.
Colgate University (Hamilton)	5.4 N;RR W	1178	25 S6	80 oct. (N.Y.)
Cooperstown (N.Y.)	1.4 NNW;RR SE	1160	16 L S4	80 oct.P-lines S.Port lgts.
Corinth (N.Y.)	1 SW;RR 0.5 W	620	13 S1	80 oct.WNW blocked.
Cortland (N.Y.)	1.8 WSW	1144	30 S6	80 oct.Wooded ridge E.
Damon (Pottsdam, N.Y.)	1.5 E;hwy S	460	20 S1	80 oct.P-line N.Strips rough
(P)[Dillant-Hopkins](Keene,N.H.)	2 S;riv 0.8 W	481	40h L S6	80,91 oct.Flares prior req.
Duanesburg (N.Y.)	0.1 S	710	20 S2	80 oct.Bldgs E;trees W.
Eaton (Norwich,N.Y.)	2.5 N;riv,RR E	1015	20 S1	80 oct.Wooded ridge E.
Equinox (Manchester,Vt)	1 SE;riv E,N	700	18 S4	80,91 oct.
Fair Haven (Vt.)	1.5 NNW	370	20 S4	80 oct.
Fairmont (East Montpelier,Vt)	0.8 SSE;RR W	745	19 S4	80 oct.
Fair View Farm (Williamstown)	4 SW;riv E	954	17 S1	80 oct.Trees NE,NNE(Mass
Fort Plain Int,40A,CV-AZ (N.Y.)	3 NNW;RR NE	720	35 L3	
Fulco (Johnstown,N.Y.)	1 SE;hwy S	840	22 S4	80 oct.Data unver.
Fulton (N.Y.)	2.6 NNE;rd W	469	40h L2 S4	80 oct.Lgts prior req.
Fulton Arpk (N.Y.)	0.5 W;riv E	360	20 S6	80 oct.Brush WNW.Rnwy data unver.
GLENS FALLS MH Fac (N.Y.)	206(GB)(116.1)		MHTV	(4);116.1.
Glens Falls (N.Y.)	2.6 NW;rd S	474	36h S6	80 oct.
Glove City (Gloversville,N.Y.)	1.5 NE;RR S	860	17 S1	80 oct.
Hartness (Springfield,Vt)	3.8 NNW;riv E	570	20 S6	80 oct.
Hayduk (Herkimer,N.Y.)	0.6 SSW;RR N	400	12 S4	Ltd 80 oct.P-line E.
Hudson Falls (N.Y.)	1.3 NE;riv 1 SW	295	23 S1	80 oct.P-line S.
Intercity (Schenectady,N.Y.)	3.6 SSE;RR NE	340	20 S4	80 oct.
Ithaca (N.Y.)	1.3 NW;inlet E	386	25h L1 S6	80,91 oct.
Jewett (Jonesville,N.Y.)	0.5 NE	340	22 S2	80 oct.
Keene (N.H.)	3 NW;RR W	500	21	CLOSED.
Keeseville (N.Y.)	1.4 S;riv WNW	490	20	P-line W.
Keyes-Oneonta (Oneonta,N.Y.)	1.5 W	1000	27 S4	80 oct.Obst sur fld.
Kirkville (N.Y.)	0.3 W;RR W,N	434	19 S1	80 oct.P-line E.
Ladd's (Mexico,N.Y.)	0.6 W;RR N	383	20 S1	Ltd 73 oct.P-line NE.
Lake Placid (N.Y.)	2 SE;RR NW	1750	21 S1	80 oct.
LEBANON MH Fac (N.H.)	209 (LP)(116.1)		MHTV	(4);116.1 (Manned 7-23)
(P)Lebanon (N.H.)	3.3 WSW	579	40h L5 S6	80,91 oct.Lgts prior req.
Long Meadow (Rexford,N.Y.)	1.5 NE;RR N,W	380	20 S1	80 oct.E,NNE blocked.
Malone-Dufort (Malone,N.Y.)	2 W;RR N	790	40h S1	80 oct.ARPT OF ENTRY.
Marcy (Keene,N.Y.)	2.5 S;hwy E	1000	18	Mtns N,S.
[Massena](N.Y.)	2.2 E;riv SE	200	40h L4 S6	80 oct.Trees WSW.NNE. ARPT OF ENTRY.
Middlebury (Vt.)	2.5 SE;hwy W	440	17 S4	80 oct.
Minoa (N.Y.)	0.3 NW;RR SW	430	14	Trees E.
MONTPELIER Range (Vt)	257 (UV)	230°,2.8	MRLWZ	(Barre-Montpelier)
Moreau (Glens Falls, N.Y.)	4.3 SSW;hwy SE	344	15 S1	80 oct.P-line S.
Newport (Vt.)*	3 SSW;RR E	930	40h L2 S6	80 oct.All lgts on req.
Ogdensburg (N.Y.)	1.5 SE;RR W	285	30 S6	80,91 oct.Obst sur fld.ARPT OF ENTRY.
Piseco (N.Y.)	0.5 N;hwy SW	1710	19 S2	Ltd 80 oct.Trees,brush NNE
Plateau (Northville,N.Y.)	2.5 E;riv ESE	1040	24 S6	80,91 oct.Trees S.Rough.
(P)[Plattsburg Mun] (N.Y.)	3.4 WSW;riv SW	375	50h L5 S1	80,91 oct.Fld lgts prior req.
Point Hill (St. Albans,Vt)	3.5 W;bay E	155	14 S4	80 oct.Wires ESE.
Post Mills (Thetford,Vt.)	4.7 NNW;lake NE	700	25 S2	80 oct.
Reagan (Norwood,N.Y.)	1.8 WSW;riv E	330	18 S1	80 oct.
Red Creek (N.Y.)	0.8 SSE;RR N	355	18 S1	80 oct.
Richland (N.Y.)	0.6 NE;RR SW	560	21 S4	80 oct.P-line S.Ctn when wet.
ROME AAF Tower (N.Y.)	396 (126.18)+		CA	(4);126.18, (8-22)
(A)Rome AAF (N.Y.)(A)	2.5 NE	473	63h L5 S6	62,73,91,100 oct.IP-1.
Ross (Pulaski,N.Y.)	3 SE;riv N	500	25 L S6	80 oct.Port rnwy lgts prior req.Trees WSW.
(P)[Rutland] (Vt)	5.8 SSE;crk W	784	40h L3 S6	80 oct.All lgts prior req.
Sacandaga Park (Northville,N.Y)	1 SW;RR W	770	13	CLOSED.
[Saranac Lake] (N.Y.)	5.3 NW;RR NW	1655	40h L2 S4	80 oct.Lgts prior req.
(P)Schenectady County (N.Y.)	3 N;RR SE	362	50h L5 S6	80,91,100 oct.
Schoharie County (Richmondv'l)	1.3 NE;RR N	1000	16 S1	80 oct.Trees E. (N.Y.)
Schuylerville (N.Y.)	2.5 S;riv E	100	29 S1	80 oct.Trees N,S.
Sky Haven (Delanson,N.Y.)	0.9 NW;RR SE	1100	17 S2	80 oct.ESE,W blkd.
Smithport (Utica,N.Y.)	3.5 SSE	1150	20h S1	80,91 oct.Data unver.
Steenburgh (Gloversville,N.Y.)	1.5 ENE;RR N	900	8	CLOSED.
Stevens (North Adams,Mass)	2.8 WSW;RR N	690	12	Emerg use only.
Stewart (Massena,N.Y.)	2.1 SE;RR NE	210	20	CLOSED.
Stone Arabia (Fort Plains,N.Y.)	3.6 ENE;hwy E	880	18	P-line NNW.
Sunnybrook (Clayton,N.Y.)	3.4 S;hwy E	390	18 S1	80 oct.ESE blocked.
Syracuse (N.Y.)	3.5 NNE;hwy W	419	55h	CLOSED.
SYRACUSE Range (N.Y.)	350 (SR)(116.1)	178°,2.2	SBRAZ-DTV	(3);116.1)
SYRACUSE MUN Tower (N.Y.)	278		C	(4):122.5
[Syracuse Mun] (N.Y.)	5.9 WNW;RR N	396	50h L5 S6	80,91 oct.Rdo rec rqrd.
Ticonderoga Int,22,LG-UL (N.Y)	2.7 NNE;rd E	210	32 L3 S1	80 oct.Obst sur fld.
Troy (N.Y.)	2 SSE;lake N	325	30 L4 S6	80,91 oct.ENE,W blkd.
Tupper Lake (N.Y.)	1 E;riv SE	1680	14	Use strips.P-line W.Rough.
Twin State (White River Jct,Vt)	1 SW;riv,RR E	540	19h L S6	80,91 oct.Port rnwy lgts
UTICA Range (N.Y.)	359 (UA)(116.1)	151°,3.0	BMRLZ-DTV	(4);116.1 [prior req.
Utica (N.Y.)	7.8 NW;hwy S	525	31 L1 S6	80,91 oct.Tower W,hill N:
Valley (Middleburg,N.Y.)	1.5 NNW	635	20 S4	80 oct.Data unver. [trees E
Vaughan (Johnstown,N.Y.)	1 E;hwy W	760	18	CLOSED.
[Warren County](Glens Falls)	2.4 NNE;RR N	325	40h L5 S1	80,91 oct.(N.Y.)
(P)[Watertown] (N.Y.)	5.5 WNW;hwy N	325	50h L5 S4	80,91 oct.ARPT OF ENTRY.
Westport (N.Y.)	2 S;RR W	285	22 S2	80 oct.
Winchester (N.H.)	1.2 N;riv S,W	460	24 S1	80 oct.

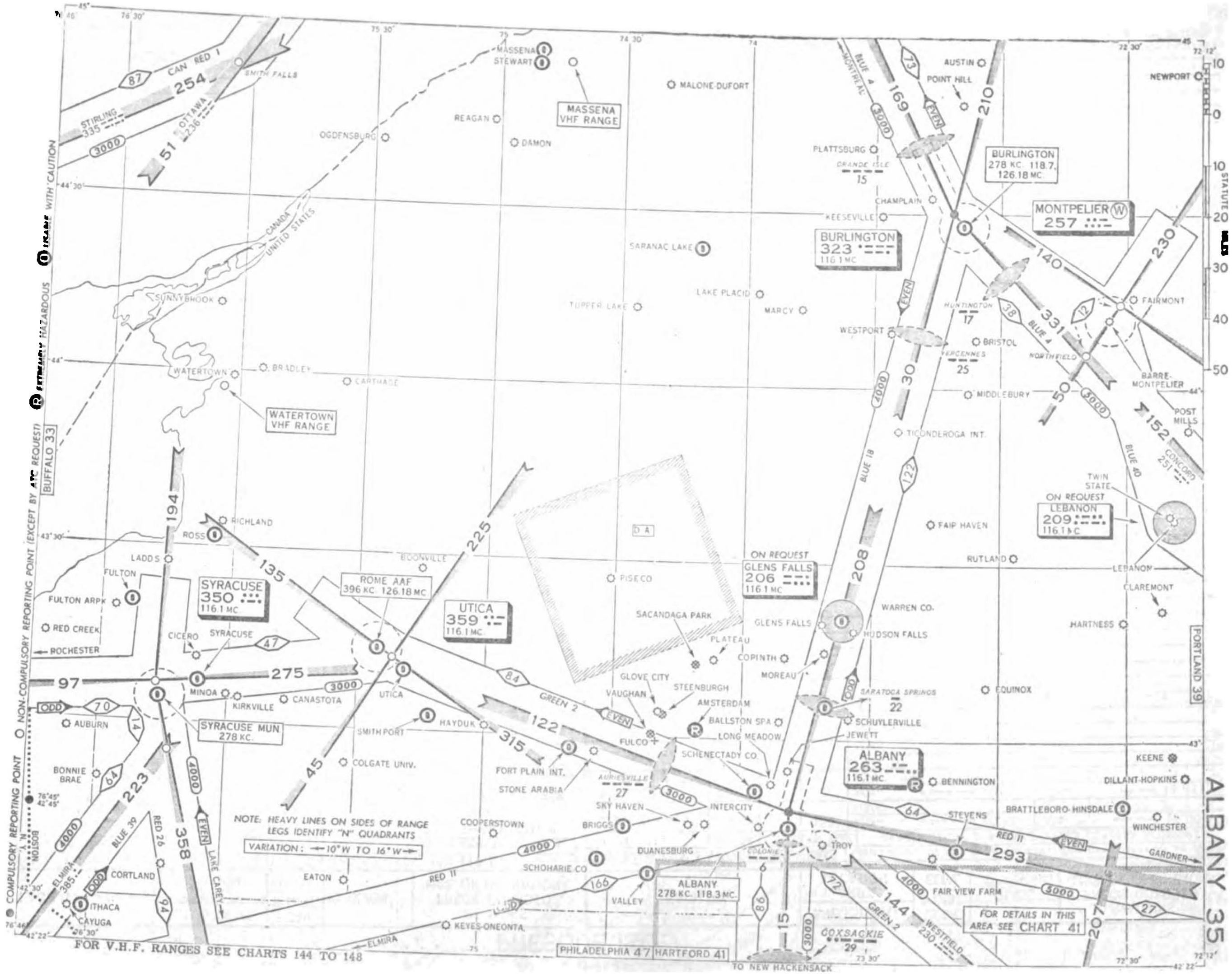
INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC/LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM–	MM–	OM–
					MMH–	OMH–
				IM–	MM–	OM–
					MMH–	OMH–

NEW FACILITIES

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 31175 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) ➡ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


MASSENA
STEWART
MASSENA VHF RANGE
MALONE-DUFORT
REAGAN
DAMON
OGDENSBURG
CAN RED 1
87
254
STIRLING
335
OTTAWA
236
SMITH FALLS
3000
51
CANADA
UNITED STATES
SARANAC LAKE
SUNNYBROOK
TUPPER LAKE
LAKE PLACID
MARCY
WATERTOWN
BRADLEY
CARTHAGE
WATERTOWN VHF RANGE
BUFFALO 33
194
RICHLAND
ROSS
LADDS
FULTON
FULTON ARPK
RED CREEK
ROCHESTER
SYRACUSE
350
116.1 MC
CICERO
SYRACUSE
47
97
275
MINOA
KIRKVILLE
CANASTOTA
3000
70
AUBURN
14
SYRACUSE MUN
278 KC.
BONNIE BRAE
64
223
4000
BLUE 39
RED 26
ELMIRA
385
CORTLAND
94
ITHACA
CAYUGA
358
LAKE CAREY
EVEN
ROME AAF
396 KC. 126.18 MC
UTICA
359
116.1 MC
UTICA
135
225
45
84
GREEN 2
122
315
HAYDUK
SMITH PORT
COLGATE UNIV.
FORT PLAIN INT.
STONE ARABIA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ←10°W TO 16°W→
COOPERSTOWN
EATON
SCHOHARIE CO
RED 11
4000
166
VALLEY
KEYES-ONEONTA
ELMIRA
75
PISECO
D A
ON REQUEST
GLENS FALLS
206
116.1 MC
SACANDAGA PARK
GLENS FALLS
PLATEAU
COPINTH
MOREAU
WARREN CO.
HUDSON FALLS
GLOVE CITY
STEENBURGH
VAUGHAN
AMSTERDAM
BALLSTON SPA
LONG MEADOW
FULCO
SCHENECTADY CO.
JEWETT
SARATOGA SPRINGS
22
SCHUYLERVILLE
EQUINOX
ALBANY
263
116.1 MC
AURIESVILLE
27
SKY HAVEN
INTERCITY
BRIGGS
DUANESBURG
COLONIE
TROY
ALBANY
278 KC. 118.3 MC.
86
15
COXSACKIE
29
73 30'
TO NEW HACKENSACK
PHILADELPHIA 47 | HARTFORD 41
FOR V.H.F. RANGES SEE CHARTS 144 TO 148
FOR DETAILS IN THIS AREA SEE CHART 41
144
GREEN 2
WESTFIELD
230
FAIR VIEW FARM
293
RED 11
EVEN
GARDNER
207
ALBANY 35
BENNINGTON
KEENE
DILLANT-HOPKINS
BRATTLEBORO-HINSDALE
WINCHESTER
STEVENS
64
FAIR HAVEN
RUTLAND
LEBANON
CLAREMONT
HARTNESS
ON REQUEST
LEBANON
209
116.1 MC
TWIN STATE
CONCORD
251
BLUE 40
152
POST MILLS
BARRE-MONTPELIER
MIDDLEBURY
TICONDEROGA INT.
BLUE 18
122
208
2000
30
5
3000
PLATTSBURG
CHAMPLAIN
KEESEVILLE
BURLINGTON
323
116.1 MC
BLUE 4
MONTREAL
169
73
EVEN
AUSTIN
POINT HILL
210
BURLINGTON
278 KC. 118.7
126.18 MC
MONTPELIER (W)
257
140
230
331
FAIRMONT
NORTHFIELD
VERGENNES
25
WESTPORT
BRISTOL
HUNTINGTON
17
38
12
BLUE 4
NEWPORT
10
0
10
20
30
40
50
STATUTE
NAUTICAL
PORTLAND 39
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
BOSTON
76°45'
42°45'
76°45'
42°22'
42°30'
43°30'
44°30'
44°
45°
76°30'
75°30'
75
74°30'
74
73°30'
72°30'
72°12'
42°22'

PRESQUE ISLE

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
BANGOR Range (Me)	239 (BB)(116.1)	172°,2.1	SBRAZ-DTV	(4); 116.1
Bishop (La Grange, Me)	0.8 N	360	10 S4	80 oct. SSW, WSW blkd.
Caribou (Me)	1 N; riv SE	623	35h S6	80 oct. Brdg E. ARPT OF ENTRY.
Community (Mapleton, Me)	4.3 NE	630	8 S1	80 oct. Lgt planes only.
(P)Dexter (Me)	3 ESE	485	30h S4	80 oct.
Doane's (Brewer, Me)	1.6 S	100	17 S6	80 oct. P-line NNW; trees
→ DOW Tower (Me)	278(126.18)+		CA(ILS-W)	(3); 126.18(GCA). E
(A)[Dow](Bangor, Me)(A)	W; RR S	160	70h (L6) S4	100 oct.
Eastport (Me)	1.5 WNW	70	29h S1	80 oct. P-line SW.
Errol (N.H.)	1.2 WNW	1245	18 S4	80 oct. P-line NW.
Ford (Skowhegan, Me)	1 NNW	230	15	Emerg use only.
Fort Kent (Me)	0.8 N; riv W	600	10	Lgt planes only.
Green's (Island Falls, Me)	2.3 SSW	710	13 S1	80 oct. P-line; trees S, N.
(P)Greenville (Me)	2 ENE	1750	30h L3 S6	80 oct. Lgts prior req.
HOULTON Range (Me)	272 (HJ)(116.1)	195°,3.1	BMRLZ-DTV	(4); 116.1 (Manned 7-23)
(P)[Houlton] (Me)	2.5 E; hwy N	493	57h L5 S6	80 oct. ESE blocked.
Mars Hill (Me)	1.2 NNW	435	17 S4	80 oct.
MEGANTIC Range B.C. (Canada)	362 (XG)	286°,4.2	SBRAZ-T	(3)
MILLINOCKET Range (Me)	344 (MT)(116.1)	292°,1.6	SBRAZ-DTV	(4); 116.1
(P)Millinocket (Me)	0.5 SE	404	51h L5 S4	80, 91 oct. Lgts prior req.
Nelson's (Bridgewater, Me)	0.7 NW	450	8 S4	80 oct. Lgt planes only.
Newport (Me)	1.5 ESE; hwy N	280	21	NW blocked.
Newton (Jackman, Me)	0.2 E; riv N	1170	22 S4	80 oct. E blkd. Trees W.
Northland (Presque Isle, Me)	5.5 N; hwy E	685	15 S1	80 oct.
Old Town (Me)	1.8 NNW; riv NE	109	40h L3 S6	80, 91 oct. No bndry lgts.
PENNFIELD Ridge N.B. (Canada)	233 (YP)	94°,2.9	BRAZ-T	3105, 6210
(P)Pittsfield (Me)	0.8 SSE	190	40h S6	80 oct.
Prairie (Brownsville Jct, Me)	4.5 N; rd SW	422	19 S4	80, 91 oct. Wires SE.
PRESQUE ISLE Range (Me)	388 (ZQ)	189°,3.4	SBRAZ-DT	(4)
PRESQUE ISLE AAF Range	365 (RU)	9°,3.6	SBMLZ	(4) (Me)
PRESQUE ISLE AAF Tower (Me)	278(126.18)		AC(ILS-W)	(4); 118.7, 122.5, 116.1, 126.18.
(A)[Presque Isle AAF](Me)(A)	1.5 WNW; RR E	529	68h L6 S4	91, 100 oct. ARPT OF ENTRY.
Princeton (Me)	1.5 SSE; hwy NE	250	40h S4	
QUEBEC, P.Q. (Canada)	230 (QB)	68°,4.1	BRAZ-PT	3105, 6210, 3117.5
Rangeley (Me)	1.6 NNW; hwy S	1810	15	
Raymond (Phillips, Me)	0.8 S; riv E	556	18 S4	80 oct. Trees ESE; hill WNW.
Robbins (Hudson, Me)	2.7 SW	365	18 S1	80 oct.
St. Croix (Baring, Me)	0.5 E; hwy N	95	19 S1	80, 91 oct. NNW blkd. Flares on req.
→ Snow (Bradford, Me)	0.3 WNW	270	12	
Swasey's (Enfield, Me)	1.5 WNW; RR S	240	17	P-line NE, ESE.
Tomlinson (Skowhegan, Me)	1 NNE; riv 1.5 S	240	21 S6	80 oct. P-line W, NW.
Webb's (Patten, Me)	1 NNW; hwy E	650	14 S4	80 oct.

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION

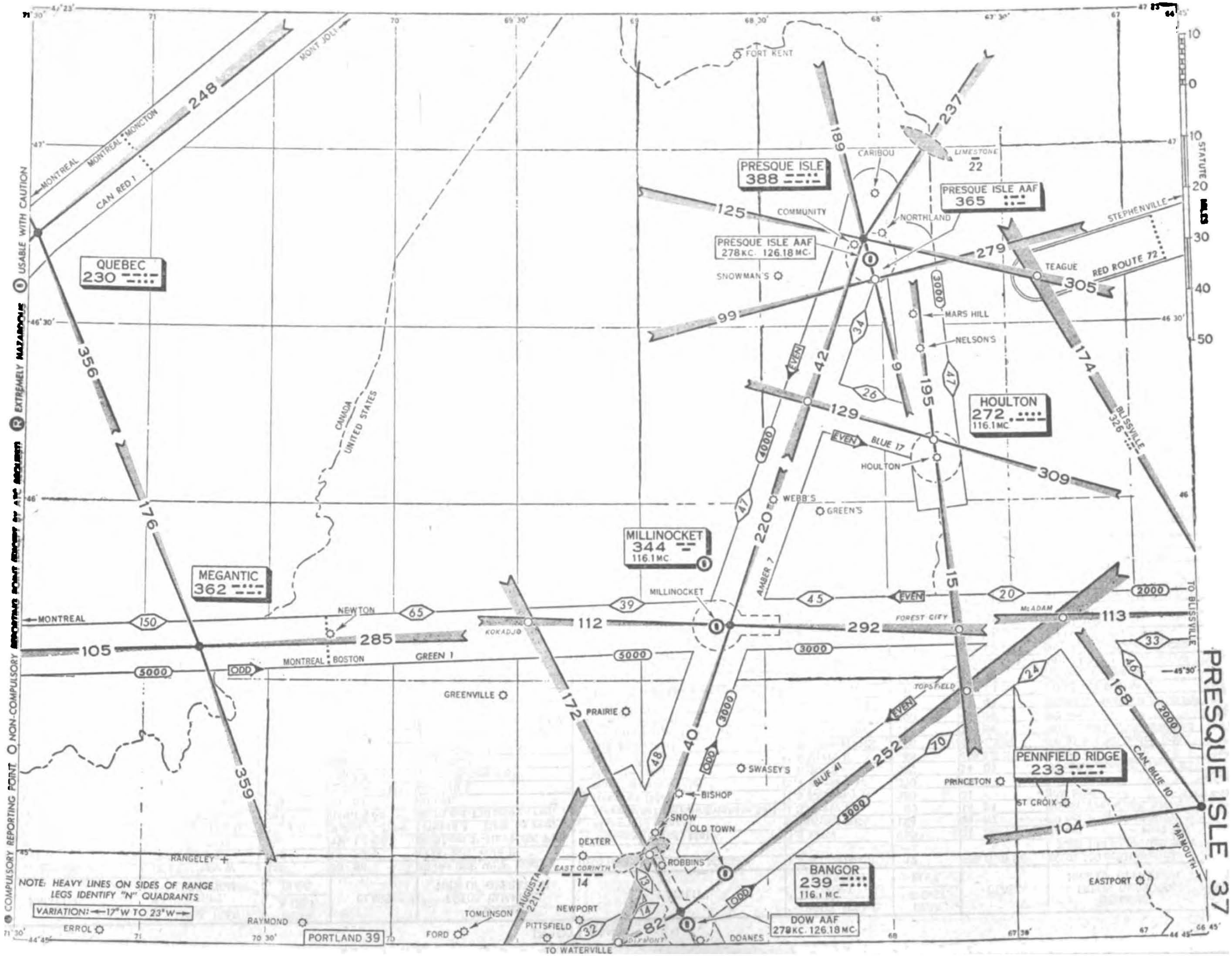
INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
DOW (L6) (A)	109.9		153°	MM- •—•— (0.81)	OM- ——— (4.60)
				MMK-	OMK-
PRESQUE ISLE AAF	109.9		8°	MM- •—•— (0.85)	OM- ——— (4.47)
				MMK- 201	OMK- 219
				MM-	OM-
				MMK-	OMK
				MM-	OM-
				MMK-	OMK

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


PRESQUE ISLE 37
PRESQUE ISLE 388
PRESQUE ISLE AAF 365
PRESQUE ISLE AAF 278 KC. 126.18 MC.
QUEBEC 230
MEGANTIC 362
MILLINOCKET 344 116.1 MC.
HOULTON 272 116.1 MC.
BANGOR 239 116.1 MC.
DOW AAF 278 KC. 126.18 MC.
PENNFIELD RIDGE 233
PORTLAND 39
CARIBOU
LIMESTONE
22
COMMUNITY
NORTHLAND
STEPHENVILLE
TEAGUE
RED ROUTE 72
SNOWMAN'S
MARS HILL
NELSON'S
FORT KENT
MONTREAL
MONTREAL-MONCTON
CAN RED 1
MONT JOLI
CANADA
UNITED STATES
WEBB'S
GREEN'S
MILLINOCKET
AMBER 1
NEWTON
KOKADJO
MONTREAL
BOSTON
GREEN 1
GREENVILLE
PRAIRIE
RANGELEY
ERROL
RAYMOND
TOMLINSON
FORD
NEWPORT
PITTSFIELD
EAST CORINTH
DEXTER
ROBBINS
SNOW
OLD TOWN
BISHOP
SWASEY'S
PRINCETON
ST CROIX
EASTPORT
TOPSFIELD
FOREST CITY
McADAM
BLISSVILLE
TO BLISSVILLE
TO WATERVILLE
AUGUSTA
DIXMONT
DOANES
BLUE 17
BLUE 41
CAN BLUE 10
YARMOUTH
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: ←17° W TO 23° W→
C COMPULSORY REPORTING POINT O NON-COMPULSORY REPORTING POINT (NOT BY ATC MEANS)
U USABLE WITH CAUTION
R EXTREMELY HAZARDOUS
STATUTE MILES

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ames (Brockton, Mass)	3 WSW;hwy W	120	20 S6	80 oct.SSE,WSW blkd.
Andover (Me)	2.5 S;hwy E	675	17 S3	1125' hill, pole E
(P) Auburn-Lewiston (Auburn, Me)	4.5 SW;RR W	290	45h L5 S6	80,91 oct.P-line E.SE.Fld
AUGUSTA Range (Me)	221(AW)(116.1)	81°, 2.0	BMRLZ-DTV	(4); 116.1 lgts on req.
[Augusta] (Me)	1.5 WNW;hwy S	354	34h L5 S6	80,91 oct.Fld lgts on req.
Austin (Washington, Me)	2.6 W;hwy N	280	13 S1	80 oct.
BANGOR Range (Me) (Dow)	239(BB)(116.1)	172°,2.1	SBRAZ-DTV	(4); 116.1
Bar Harbor (Me)	9 NW;hwy W	87	45h L3 S6	80 oct.P-line NNE
BEDFORD Army H Fac. (Mass)	522 (BED)		MH	Oper cont.
BEDFORD Tower (Mass)	212(126.18,137.88)		CA	(3); 126.18, 137.88
(A) Bedford (Mass)	1 SSW	135	50h L5 S6	80-100 oct.73,100 oct.JP-1
(P) Belfast (Me)	1 SW;hwy E	160	40h S6	80 oct. for Army
(P) Berlin (N.H.)	7.5 N;riv W	1140	52h S4	80, 91 oct.
Bethel (Me)	1.6 NW;RR E	660	16 S2	80 oct.Trees W.
Beverly (Mass)	3 NW;lk E	108	50h L1 S6	80,91 oct.Bcn on req.
Biddeford (Me)	2 SSW;RR NW	110	22 S2	80 oct. P-line SE.
Billings (Ellsworth, Me)	4 SSE;hwy S,E	85	18 S1	80 oct. Trees NW,SE.
Boire (Nashua, N.H.)	2.8 WNW;RR NE	185	20h L3 S4	80,91 oct.Lgts prior req.
→ BOSTON Range (Mass)(Logan)	382(BW)(116.1)	238°,1.4	SBRAZ-DTV	(3); 116.1 P-line S
Boston Metropolitan(Canton,Mass)	1 W;riv W	50	21 S6	80 oct. Trees NW.
Brockton (Mass)	2 S;hwy E	128	22 S6	80 oct. Poles E,W,N.
Brown (St. Johnsbury, Vt)	5.2 N;RR E	807	21 S6	80 oct.Obsts sur fld.
(N) Brunswick NAS (Me) (N)	1.5 SE;RR N	77	60h	CLOSED.
Cape Ann Arwys (Essex, Mass)	0.9 NNW;riv E,SE	20	14 S1	80 oct.
Central (Lewiston, Me)	1 NE	220	15 S1	80 oct.
Clark (Hanover, Mass)	2.6 WSW;riv S	74	24 S6	80 oct. NE,NNE blkd.
CONCORD Range (N.H.)	251(CN)(116.1)	332°,1.9	BMRLZ-DTV	(4); 116.1
(P) [Concord] (N.H.)	1.5 E	346	40h L5 S6	80, 91 oct.
Conway Valley (Conway, N.H.)	0.6 WNW;RR NNE	460	26 S5	80,91 oct.Poles SW.
Dean Memorial (Haverhill,N.H.)	4.1 NE;RR W	570	21 S1	80 oct.Trees NNW,ESE,SSE
Deblois (Me)	2 SE;riv W, N	219	40h	CLOSED.
Doane's (Brewer, Me)	1.6 S	100	17 S6	80 oct.P-line NNW;trees
Douglas (Brunswick, Me)	3.5 W;RR SE	170	16 S2	80 oct.
→ DOW Tower (Bangor, Me)	278 (126.18)+		CA(ILS-W)	(3); 126.18(GCA)
(A) [Dow] (Bangor, Me) (A)	2 W;RR S	160	70h (L6) S4	100 oct.
Errol (N.H.)	1.2 WNW	1245	18 S4	80 oct.P-line NW.
Farmington (Me)	4.5 N;rd W	430	17 S6	80 oct.
Fernald (Winterport, Me)	3 WNW;hwy S	182	40h L3 S6	80 oct. Lgts prior req.
Fernald's (Benton, Me)	0.6 WNW;hwy S	120	18 S6	80 oct.WNW blkd.
Ford (Skowhegan, Me)	1 NNW	230	15	Emerg. only.
Franconia (N.H.)	2 SE		20	Data unver.
Franklin Arwys (N.H.)	1.5 SSW;riv E	370	20	Emerg. only.
Franklin-Norfolk(Norfolk,Mass)	2.5 WNW;RR SSE	140	20 S6	80 oct. P-line S.
Fryeburg (Me)	1.3 E;RR S	400	26 S4	80,91 oct.P-line SSW;trees
Gate City (Nashua, N.H.)	4 SSE;riv E	120	23 S6	80 oct. NW
Glow (Pepperell, Mass)	0.7 NNW;RR SE	210	15	Private. Emerg. only.
(P) Goodall (Sanford, Me)	4 SE;hwy N	243	60h L5 S6	91 oct.Lgts prior req.
Greenlaw (Auburn, Me)	1.5 W;hwy S	238	16 S6	80 oct. Bldgs S.
GRENIER Army Range	338 (DUR)	352°,4.0	SBMRAZ	(3) (Manchester, N.H.)
→ GRENIER Tower (N.H.)	278 (126.18)		CA (ILS)(GCA)	(3); 126.18
(A) Grenier (Manchester,N.H.)(A)	4 S; RR E	230	70h L5 S6	73,91,100 oct.
Hampton (N.Hampton, N.H.)	1.6 N;RR W	80	20 L S6	80 oct.Port floods on req.
Hilltop (W. Buxton, Me)	0.8 WSW;hwy E	300	20 L S4	80 oct.Obst.flare lgts on req. P-line ESE.
Hooksett Land & Seaplane (N.H.)	2 S;riv E	187	32 S6	80 oct.
Kennebunk (Me)	1.6 SW	50	16 S1	80 oct.
(P) Laconia (N.H.)	3.8 NNE;lk 1 NNE	536	36h L5 S6	80,91 oct.Lgts prior req.
Lafayette (Portsmouth, N.H.)	3 SSW;hwy S	71	23 S1	80 oct.Trees sur fld.
Lakes Region (Wolfeboro,N.H.)	2.6 W;RR E	580	14	CLOSED.
(P) [Lawrence] (Mass)	2.5 ENE;riv W	155	40h L5 S6	80,91 oct.Trees NE,SSE.
Lemington-Colebrook	3.8 SSW;hwy E	1030	18 S4	80 oct.(Lemington,Vt)
Lewis (Littleton, N.H.)	2.5 E;RR S	900	22 S6	80 oct.
Livermore Falls (Me)	1.3 SE;riv W	300	10	Lgt planes only.
LOGAN Tower (Mass)	278(118.7,126.18,118.1)		AC	(4);122.5,126.18,118.1,118.7

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(NG) [Logan] (Boston, Mass)	1.5 E ;harbor S	12	70h (L6) S6	80,91,100 oct.Rdo rgrd. FEE.Ltd 80,100 oct., min
Maheux (Minot, Me)	3.5 NNW	720	21 S6	80 oct. rprs NG.
Mansfield (Mass)	2 SSE;RR NE	124	25 S2	80 oct.P-line NE,NW.
Merrymeeting(Bowdoinham,Me)	1 SSE;riv E	60	14 S1	80 oct.Trees SSE,NNW.
Newport (Me)	1.5 ESE;hwy N	280	21	NW blkd.
Norridgewock (Me)	3.7 W;riv 1 W	270	40h	
Norway (Me)	1 N;RR S	387	14 S5	80 oct.P-line SE,trees E.
Norwood (Mass)	1.8 E;riv E	55	40h L5 S1	80,91 oct.
Old Town (Me)	1.8 NNW;riv NE	109	40h L3 S6	80,91 oct.No bndry lgts.
Parlin (Newport, N.H.)	2 NNW;riv SW	780	20 S4	80 oct.NNE,ESE,SSW blkd
(P) Pittsfield (Me)	0.8 SSE	190	40h S6	80 oct.
Pittston (Me)	1.8 ENE;hwy S	140	11 S2	80 oct.Trees ESE,hill WNW
Plum Island (Newburyport,Mass)	2.3 SE;riv N	15	24 L1 S6	80,91 oct.P-line E.
Plymouth (N.H.)	3.5 WNW;riv S	506	18 S2	80 oct. P-line N.
PORTLAND Range (Me)	206(PW)(116.1)	149°,2.2	BMRLZ-DTV	(4); 116.1
(P) [Portland] (Me)	2 W;riv E	60	43h L5 S6	80,91,100 oct.Lgts on req.
Port O'Maine (S.Portland, Me)	1.8 SSW;RR E	40	26 S6	80 oct. Trees NNW.
(P) [Portsmouth] (N.H.)	3 W	71	50h L5 S6	80,91,100 oct.
Rangeley (Me)	1.6 NNW;hwy S	1810	15	
Raymond (Phillips, Me)	0.8 S;riv E	556	18 S4	80 oct.Trees ESE;hill WNW
Revere (Mass)	1 N	20	21h L S6	80,91 oct.FEE for port lgts
Richardson (Dracut, Mass)	2 NNW of Lowell	115	21 S4	80 oct.P-line ENE.
Riverside (Brunswick, Me)	1 WNW;riv E	60	20 S1	80 oct.Trees SSW,NNE.
Riverside (Ashland, N.H.)	4 NNW;riv W	470	20 S4	80 oct.
Robbins (Hudson, Me)	2.7 SW	365	18 S1	80 oct.
Rockland (Me)	3 SSE;rd NE	49	45h L5 S6	80,91 oct.Trees ENE,WSW
Rockland Broadway (Rockland,Me)	0.8 SSW	60	19 S4	80 oct.
Rollins (Turner, Me)	2.5 NNW;rd E	335	20 L S2	80 oct.Flarepots on req.P-
Rumford (Me)	2 SSE;riv NW	615	22 L S4	80 oct.Wires NW. line NNE
Scarboro (Me)	2 W;RR SSE	20	25 S2	80 oct.
Shawsheen Pines(Billerica,Mass)	2.7 E;riv W	110	22h L4 S6	80,91 oct.Trees E,W,NE,SE
Sherman Mem'l (Mansfield,Mass)	3 SSW;RR W	130	17 S1	73 oct.Trees sur fld.P-line
Silver Ranch (E. Jaffrey, N.H.)	1 E;lk 1 SE	1020	17 S1	80 oct.Trees SE,NW. NE
SO.WEYMOUTH Tower (Mass)	3295(142.74)		CN	(3);142.74(8-1630,Mon-Fr)
(N) So.Weymouth NAF (Mass) (N)	1.5 SSE;RR W	152	41 L3 S1	100 oct.Trees WSW,WNW,
SQUANTUM Navy Range(Mass)	233 (NZW)	321°,3.7	BMRLZ	(3); 142.74 Flgt Oper. NNE
SQUANTUM NAS Tower (Mass)	323 (142.74)		CN (GCA)	3105,4495;142.74 8-30 min. before sunset
(N) Squantum NAS (N)(Mass)	0.8 W;bay N	10	41h L5 S6	100 oct.No bcn.Fld lgts on re
Stover (Freeport, Me)	3.5 NNW	180	11 S1	80 oct.
Tomlinson (Skowhegan,Me)	1 NNE;riv 1.5 S	240	21 S6	80 oct.P-line W,NW.
Twin Mountain (N.H.)	0.8 SW;riv N	1430	18 S4	80 oct.
→ Twitchell's (Turner, Me)	4.8 SSE;riv E	350	22 S6	80 oct.Trees WNW.P-line S.
Walker Dutton(Haverhill,Mass)	2 NNE;lk S	125	16 S6	80 oct.Stack,p-line NW.
(P) [Waterville] (Me)	1.8 SW;riv E	303	39h L5 S6	80,91 oct.Fld lgts prior req
Wayside (Sommersworth,N.H.)	2.4 W;hwy E	212	15 S2	80,91 oct.ESE blkd.
Webster (Nashua, N.H.)	3.8 NNW;riv E	195	25 S6	80,91 oct.ENE,NNW blkd.
White Mtn. (N.Conway, N.H.)	1.9 SSE;RR W	495	20 S6	80 oct.Trees NW.
White Mtn.Air Term.(Whitefield)	3 ESE;RR N	1050	22 S1	80 oct. (N.H.)
Wilkins (No.Attleboro, Mass)	2 NE;lk NW	200	18 S6	80,91 oct.P-line NW.

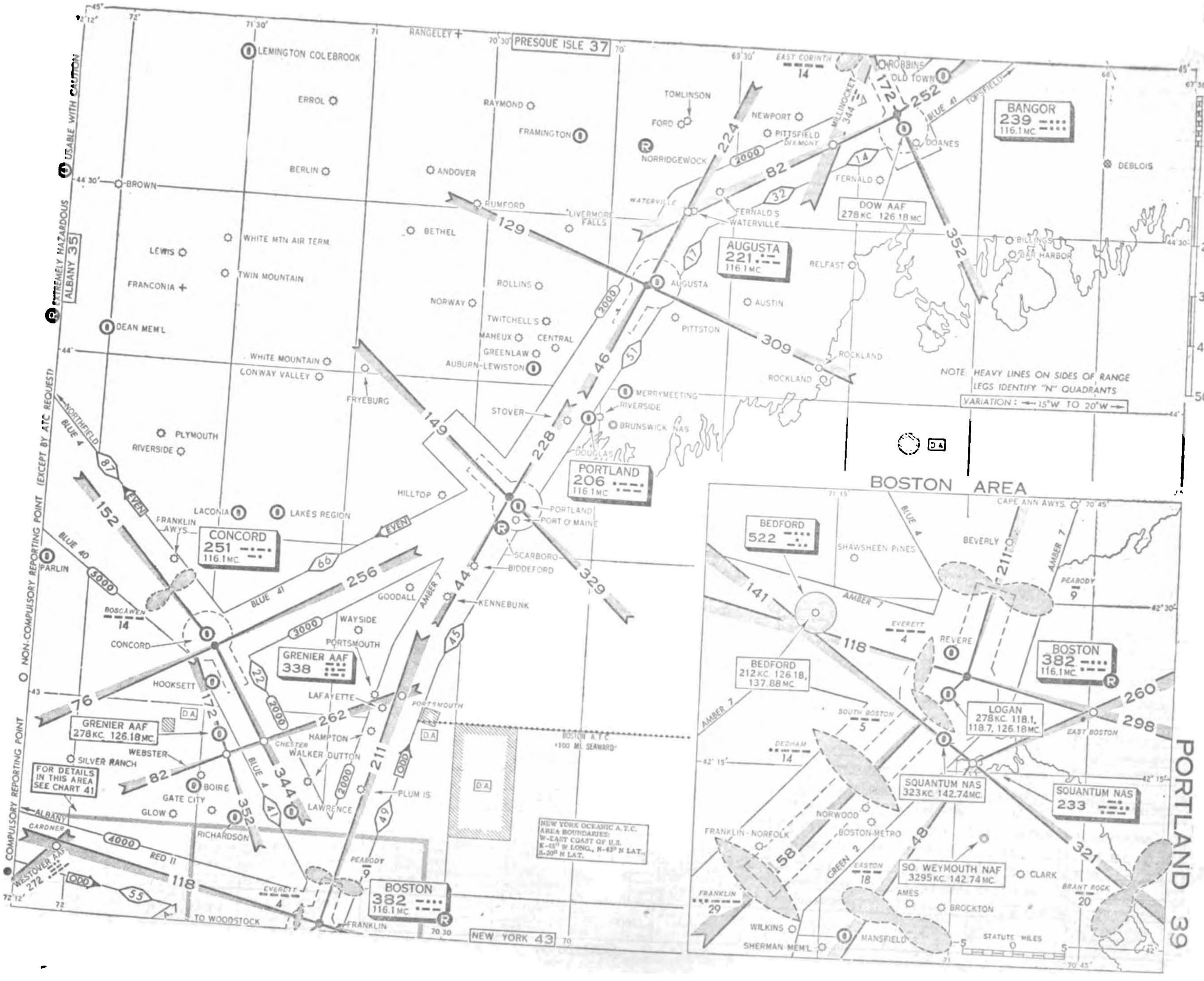
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
DOW (L6) (A)	109.9		153°	IM-	MM- •—•—• (0.81)	OM- — — (4.60)
					MMK-	OMK-
GRENIER (A)	110.3 •—• ••••	332.6	352	IM- (0.03)	MM- •••••• (0.71)	OM- — — (5.00)
					MMK-201 •—•	OMK-219 ••—

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure in Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


PRESQUE ISLE 37
LEMINGTON COLEBROOK
ERROL
RAYMOND
FRAMINGTON
TOMLINSON
FORD
NEWPORT
PITTSFIELD
DEXMONT
NORRIDGEWOCK
EAST CORINTH
ROBBINS
OLD TOWN
MILLINOCKET
TOPSFIELD
BANGOR
239
116.1 MC
DOANES
DEBLOIS
BROWN
BERLIN
ANDOVER
RUMFORD
LIVERMORE FALLS
WATERVILLE
FERNALD
FERNALD'S WATERVILLE
DOW AAF
278 KC 126.18 MC
AUGUSTA
221
116.1 MC
BELFAST
BAR HARBOR
BLUE 41
ALBANY 35
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
LEWIS
WHITE MTN AIR TERM.
TWIN MOUNTAIN
FRANCONIA
BETHEL
ROLLINS
NORWAY
TWITCHELL'S
MAHEUX
CENTRAL
GREENLAW
AUBURN-LEWISTON
AUSTIN
PITTSTON
ROCKLAND
DEAN MEM'L
WHITE MOUNTAIN
CONWAY VALLEY
FRYEBURG
STOVER
MERRYMEETING
RIVERSIDE
BRUNSWICK NAS
DOUGLAS
PLYMOUTH
RIVERSIDE
NORTHFIELD
BLUE 4
HILLTOP
LACONIA
LAKES REGION
FRANKLIN AWYS.
CONCORD
251
116.1 MC
PORTLAND
206
116.1 MC
PORTLAND
PORT O' MAINE
SCARBORO
BIDDEFORD
KENNEBUNK
GOODALL
WAYSIDE
PORTSMOUTH
PARLIN
BOSCAWEN
14
CONCORD
GRENIER AAF
338
GRENIER AAF
278 KC 126.18 MC
HOOKSETT
LAFAYETTE
PORTSMOUTH
HAMPTON
CHESTER
WALKER DUTTON
WEBSTER
SILVER RANCH
FOR DETAILS IN THIS AREA SEE CHART 41
BOIRE
GATE CITY
GLOW
RICHARDSON
ALBANY
GARDNER
WESTOVER AAF
272
TO WOODSTOCK
PLUM IS
LAWRENCE
PEABODY
EVERETT
4
BOSTON
382
116.1 MC
FRANKLIN
NEW YORK 43
BOSTON A.T.C.
+100 MI. SEAWARD
NEW YORK OCEANIC A.T.C. AREA BOUNDARIES:
W-EAST COAST OF U.S.
K-45° W LONG., N-43° N LAT.,
S-30° N LAT.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 15°W TO 20°W
STATUTE MILES
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
BOSTON AREA
BEDFORD
522
BEDFORD
212 KC 126.18, 137.88 MC
SHAWSHEEN PINES
BEVERLY
CAPE ANN AWYS.
PEABODY
9
REVERE
BOSTON
382
116.1 MC
LOGAN
278 KC 118.1, 118.7, 126.18 MC
SOUTH BOSTON
5
EAST BOSTON
DEDHAM
14
SQUANTUM NAS
323 KC 142.74 MC
SQUANTUM NAS
233
NORWOOD
BOSTON-METRO
FRANKLIN-NORFOLK
SO. WEYMOUTH NAF
3295 KC 142.74 MC
CLARK
EASTON
18
AMES
BROCKTON
BRANT ROCK
20
FRANKLIN
29
WILKINS
SHERMAN MEM'L
MANSFIELD
PORTLAND 39

HARTFORD

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
Adams (Mass)	1.3 SSE	1400	18 S4	80 oct.
Aero (Kingston,N.Y.)	3.7 SSE;hwy W	220	23 S4	80 oct.Trees S.
Agawam (Mass)	0.5 S;riv E	50	17 S6	80 oct. SE blkd.
Ansonia (Conn)	1.6 ENE	440	18 S2	80 oct.
Arlington (Poughkeepsie, N.Y.)	1.5 E;RR E	280	18 S2	80 oct.P-line NE;trees SW
Auburn (Mass)	2 SW;RR W,E	700	15 S1	80 oct. Lgt acft only
(A) Ayer (Mass)	1.5 NW;riv W	268	52h S6	80 oct.ARMY TMP INACT CIVIL FACS.
(P) [Barnes] (Westfield, Mass)	3 NNE;RR W	268	50h L5 S6	80,91 oct.Lgts on req
BEDFORD Army H Fac.	522 (BED)		MR	(Cont.) (Mass)
BEDFORD Tower (Mass)	212 (126.18, 137.88)		CA	(3); 126 18, 137 88
(A) Bedford (Mass)	1 SSW	135	50h L5 S6	80-100 oct 73,100 oct JP-1 for Army.
Bethany (Conn)	1.3 N;hwy E	680	21 L2 S6	80 oct.No bcn.Lgts prior req.
Bolton (Clinton, Mass)	2.3 NE;RR E	400	27 S6	80 oct.Trees sur fld.
Bowles (Agawam, Mass)	2.4 WSW;riv 2.5 E	190	40 S4	80 oct.P-line S,SSE,NW,W
BRADLEY Tower (Conn)	284 (126.18)		C(ILS-W)	3105,4495; 126.18
(NG) Bradley (Windsor Locks, Conn)	2.8 WNW;RR, riv E	171	50h L5 S6	Ltd 73,100 oct
BRAINARD Tower (Conn)	278 (118.5)		AC	(4); 126.18,118.5,122.5
(NG) [Brainard] (Hartford,Conn)	2.8 SE;riv E	18	48h L5 S6	73,100 oct. Dike N,E.
BRIDGEPORT Range (Conn)	221 (WQ)	231°,4.0	MRLW	
BRIDGEPORT Tower (Conn)	269 (118.7)		C	(4); 118.7,122.5,126.18
(P) [Bridgeport] (Conn)	3.5 ESE	9	48h L5 S6	80,91 oct.
Brookfield (Mass)	1 W;RR SW	680	20 S6	80,91 oct.P-line SW.Rough
Canaan (Conn)	1 N;RR W	680	20 S4	80 oct.Poles WSW; S blkd.
Catskill Valley (Catskill, N.Y.)	1.8 SW	105	24 S3	80 oct
CHARLESTOWN NAAS Twr	269 (142.74)		CN	3105;142.74 (7-18) (R.I.)
(N) Charlestown NAAS (R.I.)(N)	1.6 SW;hwy N	32	58h (L5) S1	91,100 oct. No bcn.
Christi (New City, N.Y.)	1.5 N;RR E	150	16 S4	80 oct. P-line SW.
Cliff Haven (Accord, N.Y.)	11 W;RR S	260	16 S1	80 oct.
Country Arpk (Spring Valley, N.Y.)	1 E;RR S	420	18 S6	80 oct NNE,NNW blkd Trees SSE Use strips.
Cozine (Rhinebeck, N.Y.)	0.5 SE;RR W	200	20 S1	87 oct. P-line W
Croton (Peekskill, N.Y.)	4.8 SE;riv SW	280	13	Hill SW.
Danbury (Conn)	2.5 SW;RR N	454	44h S6	80 oct Trees ENE,SSE, WSW.
De Florez (Woodstock,Conn)	2.4 SSE;hwy W	450	19 S4	80 oct. Trees N.
Doane (Essex, Conn)	1.2 SW;RR E,N	30	19 S6	80 oct. Trees N,NW.
East Brookfield (Mass)'	1 W;hwy N	640	15 S4	No fuel.
East Greenbush (N.Y.)	0.8 NW;RR W	260	43 L S6	80 oct Port rnwy lgts.P-line N.
East Hampton (N.Y.)	2.5 W;RR S	40	25 S4	80 oct.
(A) Elizabeth (Fisher's Island, N.Y.) (A)	W end Island	7	29h	
Farly's (New Baltimore, N.Y.)	3 S;RR W	10	20 S1	80 oct Trees N.
Fitchburg (Mass)	2.5 SE;bet RRs	334	45h S6	80 oct. Knolls,dike S.
Franklin-Norfolk (Norfolk, Mass)	2.5 WNW;RR SSE	140	20 S6	80 oct. P-line S
Freedom Plains (Billings, N.Y.)	2 W;rds N,E	340	11 S1	80 oct. Pwr line S
Gardiner (N.Y.)	0.5 S;riv W	320	25 S2	80 oct. Soft when wet.
Gardiner (Mass)	2 SW;hwy N	1020	18 S4	80 oct.
Grafton (North Grafton, Mass)	0.7 SSW;riv N	450	30 S6	80 oct Wooded hill S
Great Barrington (Mass)	2 WSW;riv N	726	27 S6	80,91 oct. Obsts sur fld.
GREENE Tower (R.I.)	278 (118.9)		AC	(4); 118.9, 122.5
[Greene] (Providence, R.I.)	7 S;hwy W	53	41h L5 S6	80,91,100 oct. P-line W.
Groton (Mass)	4.6 WNW;RR W	280	28 S6	80 oct.
Hammonasset (Madison, Conn)	2 E;hwy N	15	12 S1	80 oct.
HARTFORD Range (Conn) (Brainard)	329(HT)(116.1)	323°, 2.3	SBMRAZ-DTV	(3); 116.1
Hiller (Barre Plains,Mass)	2 SW;riv W	589	34 S4	80 oct.
Island (Shelton, Conn)	1.8 SE on isl.	8	15 S1	80 oct. Trees SE. Soft.
Kingston (N.Y.)	1.5 NW;RR S	150	17	CLOSED. P-line NW.
Kingston-Ulster (Kingston, N.Y.)	2.7 N;RR E	160	30 S4	80,91 oct. P-line E.
Kinsley (Somers, Conn)	2.5 NNW;hwy E	200	19	Emerg. use.Trees W,SW, ESE.
Kline-Kill (Ghent, N.Y.)	2 NNW;riv W	380	18	Lgt acft only. N blkd.
La Fleur (Northampton, Mass)	1.2 ENE;riv N	120	26 S4	80 oct.
Leicester (Mass)	2 N	1140	15h S4	80 oct. Reservoir SE.
Lime Ridge (Beekman,N.Y.)	1.3 SE;RR S	420	16 L2 S6	80 oct. All lgts prior req.
Lincoln Park (N.J.)	1.5 N;RR W	180	23 S1	80 oct. P-line N,SE.
Lufbery (Wallingford,Conn)	0.8 WSW;RR E	80	22 S6	80 oct. Trees S.
Mahopac (N.Y.)	1 NNW;lk E	685	20 S4	80,91 oct.
Marlboro (Mass)	2.4 E;hwy N	265	16 S4	80 oct. WNW blkd
Mattituck (N.Y.)	0.8 ESE;bay S	30	25 S6	80,91 oct Poles N
Mendon (Mass)	0.3 S;lk W	450	18 S4	80 oct. P-line N,NW
MERIDEN Tower (Conn)	278		C1	3105,4495 (days)
Meriden (Conn)	2.7 SW;RR E	102	35 L3 S6	80 oct S blkd;p-line SE
Metropolitan (Palmer, Mass)	5 N;riv W	400	19 S6	80 oct Hill N
Milford (Conn)	1.5 SSW;RR NW	10	20 S1	80 oct
Miller (Nyack, N.Y.)	1.8 WNW;riv E	70	17 S6	80 oct P-line SW
Millerton (N.Y.)	1.5 N;RR W	1000	13 S1	80 oct Trees N
Mineral Springs (Providence, R.I.)	4.6 NW;hwy E	240	11 S4	73 oct Trees sur fld
Monroe (Conn)	0.7 SSE;rd E	620	20 S4	80 oct Trees S
Montgomery (N.Y.)	1 WSW;riv W	393	22 S6	80 oct Trees N;bush E
(A) Montgomery #1 (N.Y.)(A)	2 SW	355	35h	CLOSED.
Murchio (Paterson, N.J.)	4.5 WNW;rd N	350	32 S4	80 oct Trees N
Newburgh-Walden (Walden, N.Y.)	2.2 SSW;riv W	404	32 S6	80,91 oct Obsts sur fld
NEW HACKENSACK Range (N.Y.)	236(NX)(116.1)	5°, 5.3	SBRAZ-DTV	(4), 116.1
(P) New Hackensack (N.Y.)	0.5 W	166	35h	Obsts NE
[New Haven] (Conn)	3.5 SSE;hwy N	4	42h S6	80,91 oct
New Paltz (N.Y.)	0.8 W;RR E	190	20 S1	80 oct
Newport (R.I.)	3.5 NNE	150	24 S6	80,91 oct P-line NNE
NEW ROCHELLE MH Fac (N.Y.)	275 (R)	42°,5.6	FMHW	(Cont) La Guardia
(P) Orange (Mass)	1.5 SE;hwy SE	555	50h S2	80 oct P-line NE
Pilgrim (Hatfield, Mass)	3.4 N;riv 0.5 E	126	22	E,SE,W blkd.Emerg only
Pittsfield,3B,AZ-BW (Mass)	2.4 WSW;hwy NW	1160	27 L3 S4	80,91 oct P-line NW
Plainfield (Conn)	1.5 SSW;RR NW	160	20 S6	73,87 oct
PROVIDENCE Range (Greene) (R.I.)	347(PR)(116.1)	47°,3.2	BMRLZ-DTV	(4); 116 1
Providence (Seekonk,Mass)	2.1 ESE	25	17 S4	80 oct P-line N
QUABBIN Army H Fac (Mass)	317 (D)	59°,8.5	FMHW	(Cont) Westover
QUONSET POINT Navy Range (Providence, R.I.)	358 (NCO)	339°,2.2	BMRLZ	3105; 142 74
QUONSET POINT NAS Twr (R.I.)	227 (142 74, 126.18)		CN (GCA)	(3); 142 74,140 58,126 18
(N) Quonset Point NAS (Providence, R.I.) (N)	16.5 S	14	60h L5 S6	91,100 oct NATS
Ramapo Valley (Mahwah, N.J.)	1.2 NW;riv SE	280	19 S1	80 oct
Ravena (N.Y.)	1.2 N;riv 2 E	180	14 S1	80 oct Lgt acft only
RENTSCHLER Tower (Conn)	254 (126.18)		C1	(5); 126.18
Rentschler (East Hartford, Conn)	1 N	45	58h L5 S6	80,91,100 oct P-line SE, SSE
Ricoun (Greene, R.I.)	1.8 WNW;RR S	390	20 S6	80 oct. Rnwy data unver
Rockland (New City, N.Y.)	1 SSE;hwy E	240	14	Trees W.
Salem (Conn)	2.1 E;lk NNE	400	21 L S6	80,91 oct.Trees S.Port lgts
Selkirk (N.Y.)	2.7 E;hwy E	160	22	P-line E; trees S.
Simsbury (Conn)	2.6 NNE;RR W	170	17 S6	80 oct. Trees SE
Somers (N.Y.)	0.8 SE;RR E,S	583	20 S4	80 oct.
Southbridge (Mass)	1.7 N	700	27 S1	80 oct. Trees W, N
South Hadley (Mass)	4 NE	120	15 S4	Fuel. Data unver
Southington (Conn)	3.5 NNE;RR W	200	21 S4	80 oct
Spencer (Mass)	3.5 NNE	1040	17 S6	80 oct
Springfield (Mass)	2.3 NE;RR S	205	26 S6	80 oct Bldgs W
Stanton's (Newburgh, N.Y.)	5.3 NW;RR S	520	12 S2	80 oct Trees S
Stephenson (Bristol,Conn)	1.5 ESE;RR N	240	18 S6	80,91 oct.
STEWART Army Range (N.Y.)	335 (DMV)	125°,2.5	MRLW	
STEWART Tower (N.Y.)	396 (126.18)		CA	(3); 126.18, (7-23)
(A) Stewart (Newburgh, N.Y.) (A)	4 NW;hwy N	474	60h L5 S6	100 oct JP-1
Stonington (Conn)	1 NE;RR S	5	18 S6	80 oct Lgt acft only Rdo rprs.
Stormville (N.Y.)	1 ENE;RR S	350	23 S4	80 oct. Trees NE
Trumbull (Groton, Conn)	2.8 SE;RR W	10	50h S4	80 oct.
Turner Falls (Montague, Mass)	4.2 N;riv NW	350	32 L S6	80,91 oct.Obsts sur fld Flood lgts prior req.
(A) Wallkill #2 (N.Y.) (A)	3 NW;riv E	340	35h	CLOSED.
Wappingers Falls (N.Y.)	0.9 SE;rd S	152	21 S4	80 oct. P-line E,W,S.
Warwick-Wickham (Warwick, N.Y.)	4.5 NE;RR W	540	24 S4	80 oct. Ridge N.
Waterbury (Plymouth, Conn)	2.6 S;RR E,W	843	20 S6	80 oct.Trees N,S.
Waterford (Conn)	1.7 N;RR SSE	60	20 S6	80 oct. Trees, hill S.
Watertown (Conn)	2.2 S;lk N	600	19 L S4	80 oct Port rnwy lgts on req.
Westboro (Mass)	1.9 WNW;hwy N	310	13 S6	80 oct
Westchester (Armonk, N.Y.)	0.5 SSE	380	23 S6	80,91 oct
WESTCHESTER CO Twr (N.Y.)	260 (118.9)		C	(4); 118 9,122 5
(P) Westchester Co.(White Plains, N.Y.)	4 NE;lk W	435	50h L5 S6	80,91 oct P-line SSW
Westerly (R.I.)	2.4 SSE;riv E	81	40h	
West Haven (Conn)	2.7 SW;hwy E	15	18 S4	80 oct. Trees NE;W blkd.
WESTFIELD Range (Barnes) (Mass)	230(W)(116.1)	27°,1.7	BMRLZ-DTV	(4); 116 1
WESTOVER Army Range (Mass)	272 (DQ)	239°,2.7	BMRAZ	(3)
WESTOVER Tower (Mass)	396 (126.18)+		CA(ILS) (GCA)	(3); 126 18 (Approach control).
(A) Westover (Chicopee Falls, Mass)	3.8 NNE;riv W	244	70h (L6) S6	73,100 oct JP-1
West Springfield (Mass)	2.2 WNW;riv E	60	18 S1	80 oct.
White (Bedford, N.Y.)	3.6 SE;hwy E	475	12	
Wilkins (North Attleboro, Mass)	2 NE;lk NW	200	18 S6	80,91 oct P-line NW: trees sur fld.
Windham (Conn)	3.5 NNW;RR S	238	44h S1	80 oct Trees NE,ENE
Wingdale (N.Y.)	1.5 NE;RR W	400	25 S4	80 oct Rough
Woonsocket (R.I.)	2.5 E;riv WSW	400	20 S2	80 oct.
[Worcester] (Mass)	3.5 W;hwy N	1009	55h L1	Emerg use only Beacon on req.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

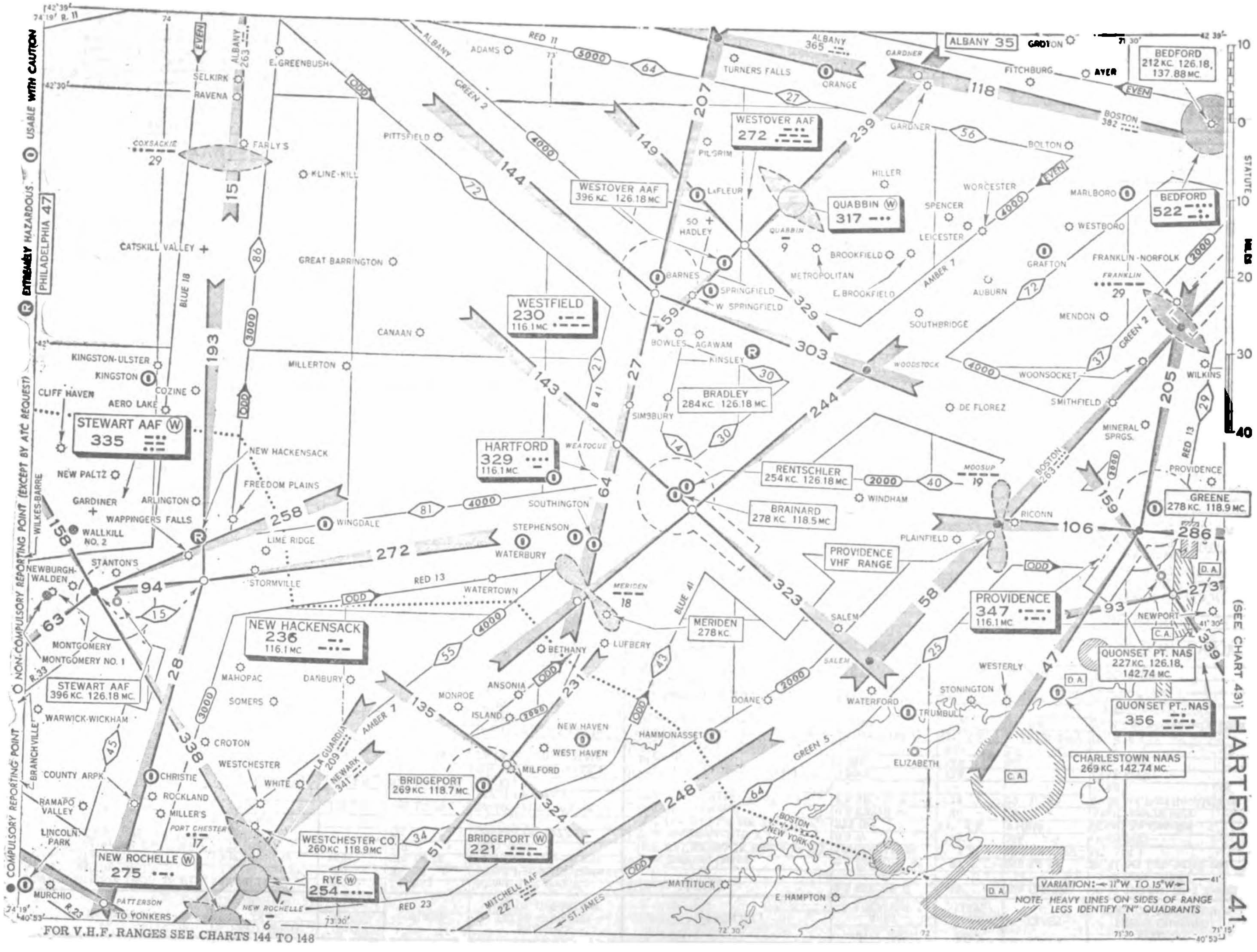
LOCATION	LCLTR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
WESTOVER (A) (L6)	109.9	333.8	239°	IM- (0.49)	MM- ·····(0.79) OM- — — (3.38)
				MMK-	OMK-
WESTOVER (A) (L6)	109.5	332.6	59°	IM- (0.02)	MM- ·····(0.72) OM- — —(4.42)
				MMK- 201	OMK-219
BRADLEY	110.3	335	58°	IM-	MM- ·—·—(0.66) OM-
					MMK- OMK-
				IM-	MM- OM-
					MMK OMK-

NEW or ALTERATIONS

Smithfield (R.I.) *	1 NE;RR W	400	17 S6	80 oct.Flares on prior req
←RYE H Fac (N.Y.)	254(X)		MHW	(Cont)La Guardia

RADIO: S - Simul. Range and Voice, W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 187.88, 140.58 mcs.
◆ A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page X111)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED, Airports are indented and non-capitalized.


USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
PHILADELPHIA 47
ALBANY 263
ALBANY 365
ALBANY 35
BEDFORD 212 KC. 126.18, 137.88 MC.
BEDFORD 522
WESTOVER AAF 272
WESTOVER AAF 396 KC. 126.18 MC.
QUABBIN 317
WESTFIELD 230 116.1 MC.
HARTFORD 329 116.1 MC.
BRADLEY 284 KC. 126.18 MC.
STEWART AAF 335
STEWART AAF 396 KC. 126.18 MC.
NEW HACKENSACK 236 116.1 MC.
RENTSCHLER 254 KC. 126.18 MC.
BRAINARD 278 KC. 118.5 MC.
PROVIDENCE VHF RANGE
PROVIDENCE 347 116.1 MC.
GREENE 278 KC. 118.9 MC.
MERIDEN 278 KC.
BRIDGEPORT 269 KC. 118.7 MC.
BRIDGEPORT 221
WESTCHESTER CO. 260 KC. 118.9 MC.
NEW ROCHELLE 275
RYE 254
QUONSET PT. NAS 227 KC. 126.18, 142.74 MC.
QUONSET PT. NAS 356
CHARLESTOWN NAAS 269 KC. 142.74 MC.
MITCHELL AAF 227
LA GUARDIA 209
NEWARK 341
COXSACKIE 29
FARLY'S
SELKIRK
RAVENA
E. GREENBUSH
ADAMS
TURNERS FALLS
ORANGE
GARDNER
FITCHBURG
AYER
BOSTON 382
PITTSFIELD
KLINE-KILL
CATSKILL VALLEY
GREAT BARRINGTON
CANAAN
MILLERTON
KINGSTON-ULSTER
KINGSTON
COZINE
CLIFF HAVEN
AERO LAKE
NEW PALTZ
GARDINER
ARLINGTON
WAPPINGERS FALLS
WALLKILL NO. 2
LIME RIDGE
WINGDALE
STEPHENSON
WATERBURY
SOUTHINGTON
NEW HACKENSACK
FREEDOM PLAINS
STANTON'S
NEWBURGH-WALDEN
STORMVILLE
WATERTOWN
MONTGOMERY
MONTGOMERY NO. 1
WARWICK-WICKHAM
MAHOPAC
DANBURY
SOMERS
BETHANY
LUFBERY
MERIDEN
MONROE
ANSONIA
ISLAND
NEW HAVEN
WEST HAVEN
HAMMONASSET
MILFORD
CROTON
WESTCHESTER
WHITE
COUNTY ARPK.
CHRISTIE
ROCKLAND
MILLER'S
PORT CHESTER
RAMAPO VALLEY
LINCOLN PARK
MURCHIO
PATTERSON
TO YONKERS
NEW ROCHELLE
BRANCHVILLE
WILKES-BARRE
HILLER
PILGRIM
LaFLEUR
SO HADLEY
BARNES
SPRINGFIELD
W. SPRINGFIELD
BOWLES
AGAWAM
KINSLEY
SIMSBURY
WEATOGUE
BROOKFIELD
METROPOLITAN
E. BROOKFIELD
SPENCER
LEICESTER
WORCESTER
BOLTON
MARLBORO
WESTBORO
GRAFTON
AUBURN
SOUTHBRIDGE
WOODSTOCK
FRANKLIN-NORFOLK
FRANKLIN
MENDON
WOONSOCKET
SMITHFIELD
DE FLOREZ
WILKINS
MINERAL SPRGS.
PROVIDENCE
RICONN
PLAINFIELD
WINDHAM
MOOSUP
SALEM
DOANE
WATERFORD
TRUMBULL
ELIZABETH
STONINGTON
WESTERLY
NEWPORT
MATTITUCK
E. HAMPTON
ST. JAMES
BOSTON
NEW YORK
BLUE 18
BLUE 41
GREEN 2
GREEN 5
AMBER 1
RED 11
RED 13
RED 23
144
149
207
239
118
56
64
27
72
86
15
193
3000
4000
5000
ODD
EVEN
143
21
B 41
27
59
329
303
244
30
14
81
258
158
272
94
63
28
338
135
231
43
55
25
58
323
106
93
47
339
205
159
64
248
324
51
34
40
19
2000
7
1
9
17
6
45
R.33
R.23
VARIATION: 11°W TO 15°W
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
D.A.
C.A.
STATUTE
NM
(SEE CHART 43)
HARTFORD 41
FOR V.H.F. RANGES SEE CHARTS 144 TO 148

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Asbury Park Air Term. (N.J.)	4.5 W; rd N	100	24 S2	80 oct. 125' tank E
Asbury Park Inc. (N.J.)	3.3 NW;hwy SE	60	22 S6	80 oct.P-line NW;trees SE
(P)[Barnes] (Westfield, Mass)	3 NNE;RR W	268	50h L5 S6	80,91 oct. Lgts on req.
BEDFORD Army MH Fac.(Mass)	522 (BED)		MH	Oper cont.
BEDFORD Tower (Mass)	212 (126.18, 137.88)		CA	(3); 126.18, 137.88
(A)Bedford (Mass)	1 SSW	135	50h L5 S6	80-100 oct.73,100 oct. JP-1 for Army.
→BOSTON Range (Mass)(Logan)	382(BW)(116.1)	238°,1.4	SBRAZ-DTV	(3); 116.1
BRAINARD Tower (Conn)	278 (118.5)		AC	(4); 126.18,122.5,118.5
(NG)[Brainard](Hartford, Conn)	2.8 SE;riv E	18	48h L5 S6	73,100 oct. Dyke N,NE.
→BRIDGEPORT Range (Conn)	221 (WQ)	231°,4.0	MRLW	
BRIDGEPORT Tower (Conn)	269 (118.7)		C	(4); 118.7,122.5,126.18
(P)[Bridgeport] (Conn)	3.5 ESE	9	48h L5 S6	80,91 oct.
→CALCO STACK H Fac. (N.J.)	347 (V)	58°, 3.7	FMHW	(Cont), Newark.
Cape Cod (W. Barnstable, Mass)	2.1 SW;lk SW	100	21 S2	80 oct.
Chatham (Mass)	1.7 WNW;lk E	66	14 S4	80 oct. P-line NW.
Country Club (Wareham, Mass)	1.3 E;riv S	25	17 S4	80 oct. P-line,trees N.
Eastham (Mass)	1.2 NW;hwy E	50	20 S4	80 oct.FEE. Rnwy data unver. Smudge pots prior req.
Edgartown (Mass)	2 S;rds E,NW	20	30 S4	80 oct. P-line E.
Falmouth (Mass)	2.2 NE;hwy SE,E	35	21 S2	80 oct.P-line NNE.
Falmouth Mun. (Mass)	6.4 NNE;pond SW	100	20	Emerg. only-not mntnd.
FLATBUSH MH Fac. (N.Y.)	353 (F)	222°,16.1	FMHW	(Cont) La Guardia
FLOYD BENNETT Range (N.Y.)	379 (FB)	122°,1.9	SMRLZ-DT	(3)
FLOYD BENNETT NAS Tower	388 (142.74)		CN (GCA)	(3); 142.74 (8-17) (N.Y.)
FLOYD BENNETT NAS MH Fac. (N.Y.)	532 (NSC)	122°,0.15	MHW	(8-17 on req)
(N)Floyd Bennett NAS (New York, N.Y.) (N)	11.8 SSE	17	50h L6 S4	91,100 oct. No bcn,NATS
GREENE Tower (R.I.)	278 (118.9)		AC	(4); 118.9,122.5
[Greene] (Providence, R.I.)	7 S; hwy W	53	41h L5 S6	80,91,100 oct.P-line W.
HARTFORD Range (Conn) (Brainerd)	329(HT)(116.1)	323°,2.3	SBMRAZ-DTV	(3); 116.1
[Hyannis] (Mass)	1.2 N;RR E	56	39h L5 S6	80,91 oct.Lgts prior req.
IDLEWILD Range (N.Y.)	248 (NY)	72°, 2.3	SMRLW	
King (Taunton, Mass)	4.5 ESE;RR N	45	26 S6	80 oct. P-line NNE.
→LA GUARDIA Range (N.Y.)	209 (LG)(116.1)	223°,3.2	SBRAZ-DTXV	(3); 116.1
→LA GUARDIA Tower (N.Y.)	362 (126.18, 118.1,118.7)		AC (ILS)(GCA)	(4): 126.18,118.1,118.7, 122.5 & airline freqs.
[La Guardia] (N.Y.)	5 E;riv N	19	60h L6 S1	80-100 oct. Rdo rcvr.rqrd FEE.
Lakewood (N.J.)	2.8 SE;hwy N	32	26 L S4	80,91 oct.Flood lgts on req Trees-W.
LINDEN MH Fac. (N.J.)	359 (Q)	238°,5.0	MHW	(Cont) (Newark)
LOGAN Tower (Mass)	278 (126.18, 118.7,118.1)		AC	(4): 126.18,122.5,118.1, 118.7
(NG)[Logan] (Boston, Mass)	1.5 E;harb S	12	70h (L6) S6	80,91,100 oct.Rdo rqrd. FEE. Ltd 80,91 oct.,min rprs for NG.
(N)[Martha's Vineyard] (Vineyard Haven, Mass)	4.3 S;hwy S	68	38h L5 S4	80,91 oct.NAVY TMP INACT NO NAVY FACS.Fld lgts prior req.
(P)Mastic (N.Y.)	2.6 NW	66	40h	
MITCHEL Army Range (N.Y.) (Hempstead)	227 (DWM)	301°,3.2	SBMRAZ-DT	(3)
MITCHEL AAF Tower (N.Y.)	396 (126.18)+		CA(ILS-W) (GCA)	(3); 126.18 (Approach control)
(A)Mitchel (Hempstead,N.Y.)(A)	0.5 NE;RR N	85	57h (L6)S6	73,91,100 oct. JP-1.FOREIGN CLEAR. STN.
Monmouth Co. (Belmar, N.J.)	5.5 W;hwy E	180	35 L S6	80,91 oct.Flood lgts on req
Myricks (Berkley, Mass)	3 E;RR SW	65	20 S6	80 oct. SSW bkd.
[Nantucket] (Mass)	2.6 SE;rd N	47	40h L S6	80 oct. Port lgts.
NEWARK Range (N.J.)	341(NK)(116.1)	58°,1.0	SBRAZ-DTV	(3); 116.1
NEWARK Tower (N.J.)	278(126.18,118.3)		AC(ILS-W)	(4); 122.5,126.18,118.3
(A)[Newark] (N.J.)	3.5 SSE;RR E	18	79h (L6) S6	80,91,100 oct. JP-1.2-way rdo rqrd. FEE.
(P)New Bedford (Mass)	2.5 NNW;RR W	78	50h L5 S4	80,91 oct.Lgts prior req.
NEW HACKENSACK Range (N.Y.)	236(NX)(116.1)	5°, 5.3	SBRAZ-DTV	(4); 116.1
(P)New Hackensack (N.Y.)	0.5 W	166	35h	Obsts NE.
NEW ROCHELLE MH Fac. (N.Y.)	275 (R)	42°, 5.6	FMHW	(Cont) La Guardia.
Oak Bluffs (Mass)	0.8 SW;rd W	20	20	Avail. emerg only.
Ocean Co. (Breton Wood, N.J.)	1.5 SE;crk S	18	29 L S6	80,91 oct.Port flood lgts on req.
(N)Otis OLF (Falmouth, Mass) (N)	9 NNE	126	70h	INACTIVE.
Plymouth (Mass)	2 SSE	149	25	Data unver.
(N)Plymouth OLF (Mass) (N)	4.5 SW	140	28	
PROVIDENCE Range (R.I.)(Greene)	347(PR)(116.1)	47°, 3.2	BMRLZ-DTV	(3); 116.1
Provincetown (Mass)	2 WNW	5	17 S4	Fuel.Lgt planes only. Data unver.
QUABBIN Army H Fac. (Mass) (Westover)	317 (D)	59°, 8.5	FMHW	(Cont.) Westover
QUONSET POINT Navy Range (R.I.) (Providence)	356 (NCO)	339°,2.2	BMRLZ	3105; 142.74
QUONSET POINT NAS Tower (R.I.)	227 (142.74, 126.18)		CN (GCA)	(3); 142.74,140.58,126.18
(N)Quonset Point NAS (Providence, R.I.) (N)	16.5 S	14	60h L5 S6	91,100 oct. NATS.
Red Bank (N.J.)	1 S;hwy E	80	26 S6	80,91 oct.P-line W,S,N.
SQUANTUM NAS Navy Range (Mass)	233 (NZW)	321°, 3.7	BMRLZ	(3);142.74 flight opers.
SQUANTUM NAS Tower (Mass)	323 (142.74)		CN (GCA)	3105,4495;142.74 (8-30 min before sunset)
(N)Squantum NAS (Boston,Mass)(N)	4.3SSE;bay N	10	41h L5 S6	100 oct.No bcn.Fld lgts on req.
STEWART Army Range (N.Y.)	335 (DMU)	125°, 2.5	MRLW	
STEWART Tower (N.Y.)	396 (126.18)		CA	(3); 126.18 (7-23)
(A)Stewart (Newburgh, N.Y.) (A)	4 NW;hwy N	474	60h L5 S6	100 oct. JP-1.
Suffolk (Westhampton Beach,N.Y.)	3.6 N	90	43 S6	80 oct. Pwr line N.
Suffolk Co. (Westhampton Beach)	2.6 N	69	50h	(N.Y.)
WESTFIELD Range (Mass)(Barnes)	230(WJ)(116.1)	27°, 1.7	BMRLZ-DTV	(4); 116.1
WESTOVER Army Range (Mass)	272 (DOJ)	239°, 2.7	BMRAZ	(3)
WESTOVER Tower (Mass)	396 (126.18)+		CA (ILS) (GCA)	(3); 126.18 (Approach control)
(A)Westover (Chicopee Falls,Mass)	3.8 NNE;riv W	244	70h (L6) S6	73,100 oct. JP-1.
(A)				

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

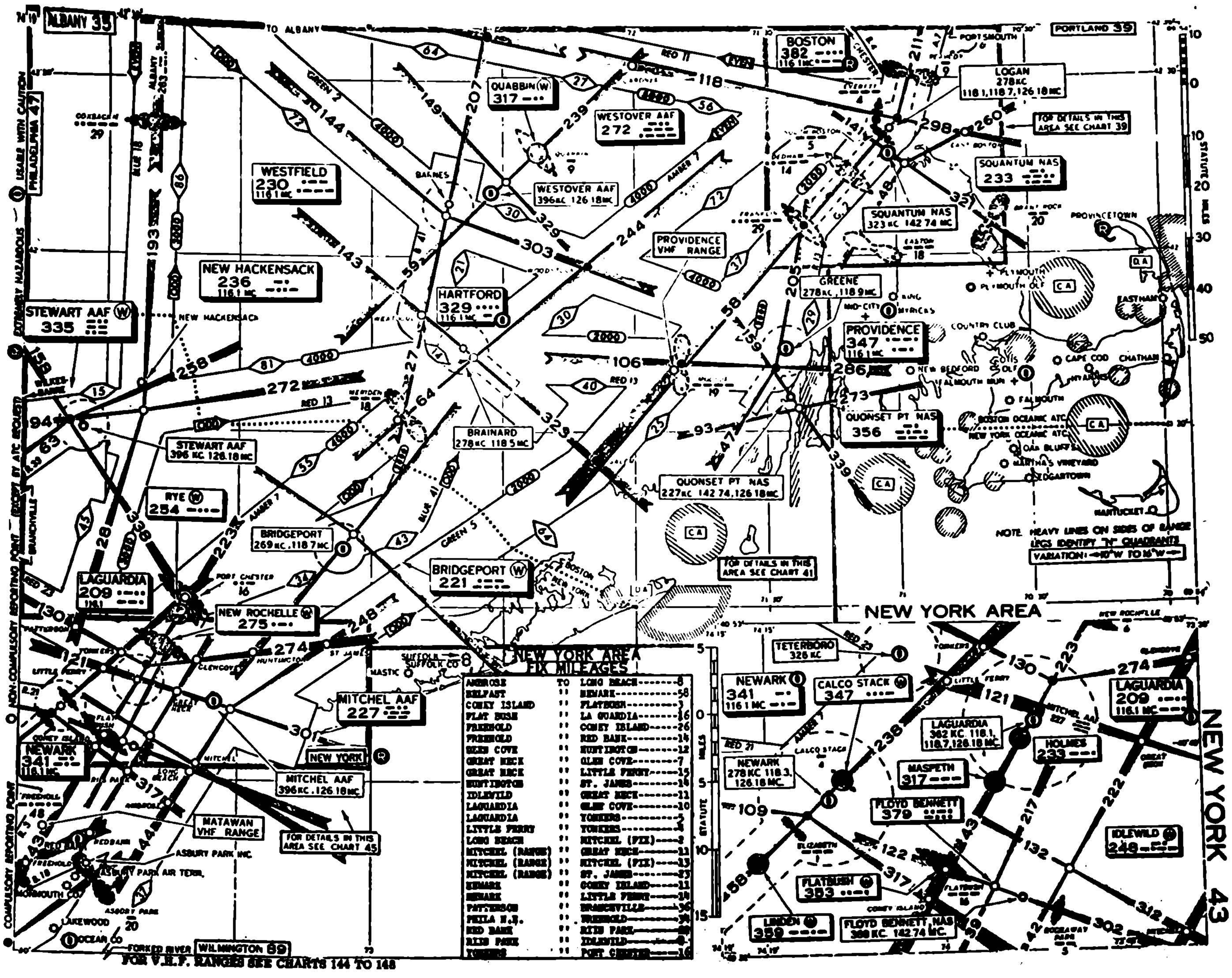
LOCATION	LCLZR.	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
LA GUARDIA	109.9	333.8	44°	IM-	MM-•—•—(0.81) OM- ——(4.49)
					MMK- 233 —•— OMK- 317 •—••
MITCHEL (L6) (A)	110.3	335	301°	IM- (0.04)	MM- ••••••(0.87) OM- ——(4.14)
					MMK- 257 — — OMK- 272 •—•—
NEWARK (L6)	110.3	335	58°	IM-	MM- •—•—(0.61) OM- ——(4.64)
					MMK- 201•——— OMK-
WESTOVER (L6) (A)	109.9	333.8	239°	IM- (0.49)	MM- ••••••(0.79) OM- —— (3.38)
					MMK- OMK-
WESTOVER (L6) (A)	109.5	332.6	59°	IM- (0.02)	MM- ••••••(0.72) OM- —— (4.42)
					MMK- 201•——— OMK- 219 ———

NEW FACILITIES

Mid-City (North Dighton,Mass)	3 S	20	15 S4	Fuel Data unver.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.58, 148.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ALBANY 35
TO ALBANY
PORTLAND 39
BOSTON
382
116 1 MC
LOGAN
278 KC
118 1, 118 7, 126 18 MC
FOR DETAILS IN THIS AREA SEE CHART 39
QUABBIN (W)
317
WESTOVER AAF
272
WESTFIELD
230
116 1 MC
WESTOVER AAF
396 KC 126 18 MC
SQUANTUM NAS
233
SQUANTUM NAS
323 KC 142 74 MC
PROVIDENCE VHF RANGE
NEW HACKENSACK
236
116 1 MC
HARTFORD
329
116 1 MC
GREENE
278 KC, 118 9 MC
STEWART AAF (W)
335
PROVIDENCE
347
116 1 MC
QUONSET PT NAS
356
STEWART AAF
396 KC 126 18 MC
BRAINARD
278 KC 118 5 MC
QUONSET PT NAS
227 KC 142 74, 126 18 MC
RYE (W)
254
BRIDGEPORT
269 KC, 118 7 MC
BRIDGEPORT (W)
221
LAGUARDIA
209
118 1
NEW ROCHELLE (W)
275
NEW YORK AREA
FIX MILEAGES
MITCHEL AAF
227
NEWARK
341
116 1 MC
NEW YORK
MITCHEL AAF
396 KC, 126 18 MC
MATAWAN VHF RANGE
FOR DETAILS IN THIS AREA SEE CHART 45
WILMINGTON 69
FOR V.H.F. RANGES SEE CHARTS 144 TO 148
TETERBORO
326 KC
NEWARK
341
116 1 MC
CALCO STACK (W)
347
LAGUARDIA
362 KC, 118 1, 118 7, 126 18 MC
NEWARK
278 KC 118 3, 126 18 MC
MASPETH
317
HOLMES
239
FLOYD BENNETT
379
IDLEWILD
248
FLATBUSH (W)
383
LINDEN (W)
359
FLOYD BENNETT, NAS
388 KC 142 74 MC
NEW YORK AREA
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 15°W TO 16°W
USABLE WITH CAUTION
PHILADELPHIA 47
DOUBTFUL HAZARDOUS
NON-COMPULSORY REPORTING POINT (REPORT BY A/C REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
ANDROSS TO LONG BEACH 8
BELFAST " NEWARK 58
COney ISLAND " FLATBUSH 3
FLAT BUSH " LA GUARDIA 16
FREEHOLD " CONEY ISLAND 26
FREEHOLD " RED BANK 14
HEAD COVE " HUNTINGTON 12
GREAT NECK " GLEN COVE 7
GREAT NECK " LITTLE FERRY 15
HUNTINGTON " ST. JAMES 14
IDLEWILD " GREAT NECK 11
LAGUARDIA " GLEN COVE 10
LAGUARDIA " YONKERS 5
LITTLE FERRY " YONKERS 4
LONG BEACH " MITCHEL (FIX) 2
MITCHEL (RANGE) " GREAT NECK 11
MITCHEL (RANGE) " MITCHEL (FIX) 13
MITCHEL (RANGE) " ST. JAMES 27
NEWARK " CONEY ISLAND 11
NEWARK " LITTLE FERRY 14
PATTERSON " BRANCHVILLE 36
PHILA N.E. " FREEHOLD 34
RED BANK " RYE PARK 27
RYE PARK " IDLEWILD 8
YONKERS " PORT CHESTER 16

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Aircraft Radio Corp. (Boonton, N.J.)	2.6 N;riv S	550	32	PRIVATE. P-line N,E.
Almonesson (Blackwood, N.J.)	1.9 NW;RR E	50	21 S6	80 oct. Obsts sur fld.
Aviation Country Club (Hicksville, N.Y.)	2 S;hwy S	104	24 S6	80,91 oct.
Bender-Brentwood (Brentwood, N.Y.)	1 ENE;RR N	85	10	
Benedict (Chester, Pa)	6.5 W	400	26 S2	80 oct. Data unver.
Berks (Reading, Pa)	4.5 NW;hwy SW	360	23 S4	80,91 oct. Hill NW
Blackwood (N.J.)	0.5 ESE;hwy W	65	26 S4	80 oct. P-line N N/S usable in emerg.
Boulevard (Philadelphia,Pa)	12 NE;RR SW	160	22 S4	80 oct. Obsts sur fld.
Bridgeport (N.J.)	0.8 ESE;RR N	23	18 S4	80 oct.
Buckman (Chester, Pa)	2.3 WSW;RR NW	90	20 S4	80 oct.
Budd (Philadelphia, Pa)	13 NE;RR N	240	44h	Trees E,W.
Buehl (Philadelphia, Pa)	18 NE;RR SE	110	24 S4	80 oct. Data unver.
Burlington (N.J.)	1.7 ENE; hwy NNW	30	24 S4	80,91 oct. P-line E, SSE, NNW.
CALCO STACK H Fac.(N.J.)	347 (V)	58°, 3.7	FMHW	(Cont) Newark
CALDWELL-WRIGHT Twr. (N.J.)	260 (126.18)		CI	(4); 126.18,122.5 (0830-sunset,Mon-Sat.,9-sunset Sun)
Caldwell-Wright (Caldwell, N.J.)	2.4 N;riv N	175	47h L1 S1	Restricted to factory operations.
Carll (Commack, N.Y.)	1 S;RR N,S	140	24 S1	80 oct. Trees S,SE.
Central (Camden, N.J.)	1.8 E;riv S,W	20	25h L4 S5	80,91 oct.
Coatesville (Pa)	1.6 W;RR S	623	26 L1 S4	80 oct. Obsts sur fld.
Columbia (Valley Stream,N.Y.)	1 SW;RR N	15	29h	
Coyle (Chatsworth, N.J.)	6 ESE;hwy NE	190	18	Emerg. use only
Davis (Bayport, N.Y.)	1.3 NNW; RR S	40	22	
Deer Park (N.Y.)	0.8 ESE;RR N	75	10	Trees adj E;p-line W.
Donovan-Hughes (Greenridge, N.Y.)	1 N;creeks S, W	10	17 S1	80 oct.
Doylestown (Pa)	1.5 NNE	400	22 S6	80 oct. RR SW
DU PONT Tower (Del)	388		CI	3105,3117 5,5582 5 (8-20 daily except Sun)
Du Pont (Wilmington, Del)	3 WNW	185	29 L4 S6	80,91 oct SW blkd RR E.
East Hanover (N.J.)	1 N	170	15 S2	80 oct. P-line W.
Echelon (Ashland, N.J.)	0.5 SE;RR W	100	27 S6	80,91 oct P-line NW.
Fitzmaurice (Massapequa, N.Y.)	1.5 ENE; RR S	36	14 S6	80 oct. Trees N,S.
FLATBUSH H Fac. (N.Y.)	353 (F)	222°,1.6	FMHW	(Cont) La Guardia.
Florence (N.J.)	1 SE;riv N	50	24 S4	80 oct. P-line WSW,NW trees S.
FLOYD BENNETT Range	379 (FB)		SMRLZ-DT	(3) (N.Y.)
FLOYD BENNETT NAS H Fac. (N.Y.) (NC)	532 (NSC)	122°,0.15	MHW	(8-17 on req) Floyd Bennett.
FLOYD BENNETT NAS Twr (N) Floyd Bennett NAS (N.Y.)(N)	388 (142.74)	122°,1.9	CN (GCA)	(3); 142.74 (8-17)
Flushing (N.Y.)	11.8 SSE	17	50h L6 S4	91,100 oct. No bcn NAT
	1.5 NNW; parkway E	4	32 L S4	80 oct P-line W,SW Port.rnwy lgts prior req.
Forsgate (Jamesburg,N.J.)	1.6 SW;RR E	150	24 S6	80,91 oct. P-line NNE, SW;twr N end.
(A) Fort Dix AAB (Wrightstown, N.J.) (A)	1 SE	120	31h	TMP INACT. NO FACS.
General Motors (Linden, N.J.)	1 SE	23	42h	CLOSED. W,E,S,NW less than 10 to 1.
Gloster (Montgomeryville, Pa)	0.7 SE;hwy W	460	22 S1	80 oct. P-line SE,S,W.
GRUMMAN Tower (N.Y.)	323		CI	(7-2359 Mon-Sat)
Grumman (Bethpage,N.Y.)	0.5 W;RR NE	119	54h S5	91,100 oct. Poles SW,SE
Hadley (New Brunswick,N.J.)	4 N;RR N	100	27 S6	80,91 oct.
Hicksville (N.Y.)	2.4 N;RR E	190	20 S4	80 oct Rnwy data unver.
Hightstown (N.J.)	1.3 W	110	19 S6	80 oct. RR W.
IDLEWILD Range (N.Y.)	248 (NY)	72°, 2.3	SMRLW	
JOHNSVILLE Tower (Pa)	264 (142.74)		CN	3105 cont.; 4495,6210; 116.1,126.18,140.58 142.74 on req. (8-1/2 hr.past sunset)
(N) Johnsville (Pa) (N)	0.5 N;RR E	366	46h L5 S1	91,100 oct. P-line W,NW
Kaiser (Bristol, Pa)	2 N;riv SE	35	38h	P-line SW. Restricted
►LA GUARDIA Range (N.Y.)	209(LG)(116.1)	223°, 3.2	SBRAZ-DTXV	(3); 116.1
LA GUARDIA Tower (N.Y.)	362 (126.18, 118.1,118.7)		AC (ILS) (GCA)	(4); 126.18,118.1,118.7, 122.5 & airline freqs.
[La Guardia] (N.Y.)	5 E;riv N	19	60h L6 S1	80-100 oct. Rdo rcvr rqrd. FEE.
LAKEHURST Navy Range	520 (NEL)	157°,0.7	MRLZ	3195 (4495 on req) (N.J.)
LAKEHURST NAS Tower (N.J.)	3295 (142.74)		CN	(3); 142.74
(N) Lakehurst NAS (LTA) (N.J.)(N)	1 NNW;riv N	94	38h L5 S6	91,100 oct. Lgts on req.
Lancaster (Pa)	1.5 NNW;RR SW	320	28 S6	80,91 oct. ENE,NE,WSW blkd.
Lancaster,35,CO-PG (Pa)	5.5 N;hwy W	385	27h L4 S4	80 oct. P-line S,WSW
Lansdale (Pa)	1.6 ESE	450	29 S6	80,91 oct P-line N,NE,E S,W.
Layfield (New Hanover,Pa)	2 NE;hwy W	320	17 S6	80 oct. Trees NE
Lebanon Co.(Myerstown,Pa)	1.8 W;hwy S	525	17 S5	80 oct.
Lincoln Park (N.J.)	1.5 N;RR W	180	23 S1	80 oct. P-line N,S.
LINDEN H Fac. (N.J.)	359 (Q)	238°,5.0	MHW	(Cont.) Newark
MAC ARTHUR Tower (N.Y.)	278		CI	3105 (9-17 weekdays)
(P) MacArthur (Islip, N.Y.)	8 NE;RRs N,S	98	50h (L6) S1	91 oct. All lgts prior req Rdo rqrd.
Madeira (Reading, Pa)	3.2 N;RR W	360	21 S6	80 oct. Trees W.
Mahalchik (Columbus,N.J.)	2.8 S;hwy W	60	20	Unusable in wet weather
Marlton-Medford (Marlton, N.J.)	1.5 ENE	80	30 S2	80 oct.
Mercer Co.(new) (Trenton, N.J.)	5 NW; RR SE	211	41h	
Mercer Co.(old)(Trenton, N.J.)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Merrill (Bovington, N.J.)	1 ESE;RR E	70	35 S6	80 oct. Obsts sur fld.
Millard (Annville, Pa)	1.5 SW	480	18h S5	80,91 oct.
MITCHEL Army Range (N.Y.)	227 (DWM)	301°,3.2	SBMRAZ-DT	(3)
MITCHEL Tower (N.Y.)	396 (126.18)		CA (ILS-W) (GCA)	(3); 126.18 (approach control)
(A) Mitchel (Hempstead,N.Y.)(A)	0.5 NE;RR N	85	57h (L6) S6	73,91,100 oct. JP-1. FOR CLEAR STN.
Moorestown (N.J.)	1 NNE;RR S	70	18 L S4	80,91 oct Port rnwy lgts on req.
Morristown (N.J.)	3 E;RR N	187	40h L5 S4	80 oct. Lgts prior req.
Morrisville (Pa)	1.6 W;riv E	180	24 S6	80 oct. P-line sur fld.
Mount Holly (N.J.)	1 N;rd N	70	22 S1	80 oct. Use stripe only.
Murchio (Paterson, N.J.)	4.5 WNW;rd N	350	32 S4	80 oct. Trees N.
MUSTIN NAAS Tower (Pa)	251 (126.18, 142.74)		CN	(3); 126.18,142.74 (7-sunset,other hrs.on req
(N) Mustin NAAS (Philadelphia, Pa) (N)	4 S;riv S	16	48h L5 S6	100 oct. Obsts sur fld.
Nassau (Princeton, N.J.)	2.5 S;hwy SE	80	30	CLOSED.
Nassau (Hempstead,N.Y.)	4.5 E;hwy N	80	21	
NEWARK Range (N.J.)	341(NK)(116.1)	58°,1.0	SBRAZ-DTV	(3); 116.1
NEWARK Tower (N.J.)	278 (126.18, 118.3)		AC (ILS-W)	(4); 122.5,126.18,118.3
(A) Newark (N.J.)	3.5 SSE;RR E	18	79h (L6) S6	80,91,100 oct. JP-1.2-way rdo rqrd. FEE.
New Hanover (Pa)	0.5 W;hwy SE	300	18 S2	80 oct.
NEW ROCHELLE H Fac.(N.Y.)	275 (R)	42°,5.6	FMHW	(Cont) La Guardia
New Sayville (Sayville,N.Y.)	2 N;hwy 1 S	50	30 S4	80,91 oct. Trees NE,SW, WNW. P-line NE.
Old Star (Langhorne, Pa)	2.4 E;RR N	180	24 S5	80 oct. Poles N,S
Paoli-Malvern (Malvern,Pa)	1.3 SSE	460	24 S4	80 oct Trees NE,SE,SW
Patco (Norristown,Pa)	2.5 SE;bet RRs	200	19 S6	80,91 oct.
Pennington (N.J.)	2 ESE;hwy S,E	230	24 S4	80 oct. P-line ESE,SSE
Perkiomen Valley (Collegeville, Pa)	1.5 NE;rds NE	280	32 S6	80 oct. P-line N,NE,E, SE.
Philadelphia Main Line (Paoli, Pa)	2.8 WNW; hwy S	310	21 S4	No fuel. P-line ESE.
PHILADELPHIA NORTH-EAST Range (Pa)	371 (NF)	238°,2.9	MLWZ-DT	
PHILADELPHIA NORTH-EAST Tower (Pa)	212		CI	(4)
Philadelphia Northeast (Pa)	12.2 NE;riv 1.5 SE	105	50h L5 S6	80,91 oct. No flood lgts.
PHILADELPHIA SOUTH-WEST Range (Pa)	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
PHILADELPHIA SOUTH-WEST Tower (Pa) [Philadelphia Southwest](Pa)	278 (118.1)		CI (ILS-W)	(4); 118.1, 122.5
Phoenixville (Pa)	6.5 SW;riv S,SW	10	54h L6 S6	80,91 oct. Rdo rcvr rqrd.
Pitman (N.J.)	3 NE	300	24 S4	Data unver.
Pottstown (Pa)	1.6 NNW;RR E	100	19 S6	80 oct. P-line SE,SSW.
Princeton (Rock Hill, N.J.)	4.5 E;hwy N	311	30 S6	80 oct. Bldg NW.
(A) Reading (Pa)	1 W;riv E	160	19 S1	80 oct. P-line ENE,SSE
	3 NW;riv E	342	52h L6 S6	91,80 oct. Ltd maint. 100 oct. for Army
REPUBLIC Tower (N.Y.)	371		CI	(3) (days only)
Republic (Farmingdale,N.Y.)	1.3 ENE;RR N	82	66h L6 S1	NE blkd. Closed ngts to trans. PRIVATE.
Richmond Co.(Travis, N.Y.)	0.5 SW;riv W	10	24	160' chimney SW.
Rockaway (Edgemere,N.Y.)	1 WSW	20	22 L S4	80 oct. Pwrline S,SE. Port.rnwy lgts.
Roosevelt (Mineola, N.Y.)	1.6 ESE;RR N	90	30h L3 S5	80,91,100 oct. Wires NE
►RYE H Fac. (N.Y.)	254 (X)		MHW	(Cont) La Guardia
Sayville (N.Y.)	0.8 N	25	15	Trees sur fld.
Shinn-Woodbridge (Woodbridge, N.J.)	3.9 NW;RR E	120	21 L S4	73,80 oct. P-line SE.
Skyhaven Aircenter (Morrisville, Pa)	1.2 SSE;RR W	25	26 S4	80 oct.
Somerset (Somerville,N.J.)	4.6 NW;RR SE	105	20 S6	80,91 oct. Trees W.
Somerset Hills (Basking Ridge, N.J.)	1.6 SE;RR S	250	24 S6	80 oct. P-line W.
Somerton (Philadelphia,Pa)	14 NE;RR N,E	200	25 S6	80 oct. Poles N,S,W.
Staten Island (New Springville, N.Y.)	1 S;rd W	40	22 S4	80 oct. P-line SW.
Stowe-Pottstown (Pottstown, Pa)	1.7 NW	245	26 S6	80 oct. P-line S.
►TETERBORO Tower (N.J.)	326		CI	3105,6210,3117.5;122.5
(P) Teterboro (Bendix, N.J.)	0.5 SW;RR NW	5	30h L5 S6	80,91 oct. Rnwy lgts on req. Rdo rcvr rqrd. Rnway data unver.
Trenton (N.J.)	6 NE;hwy NW	70	15 S1	80 oct. P-line W. Rest'd tp USFS.
Trenton-Robbinsville (Robbinsville, N.J.)	1 ESE;rd N	115	40 L4 S6	80,91 oct. No bcn. N blkd.
Triangle (Glassboro, N.J.)	4.3 ENE	150	18 S2	80 oct. P-line SW.
Turner (Lansdale, Pa)	4.2 ESE	375	19 S6	80 oct.
Valley Forge (Norristown,Pa)	4 WNW;riv NW	250	24 S6	80 oct.
West Chester (Pa)	2.5 NE;lk S	470	32 S4	80 oct.
Westfield (Rahway, N.J.)	2 W;lk N	100	24 S4	80 oct. Trees SW,W,N,S
WILLOW GROVE Navy Range	391 (NXX)	241°,3.3	MRLZ	(3); 142.74. (Pa)
WILLOW GROVE NAS Twr. (Pa)	356 (142.74)		CN	(3); 142.74 (days only exc on 1 hrs adv notice)
(N) Willow Grove NAS (Pa)(N)	4 NNW;hwy E	369	40h L5 S4	91,100 oct. NATS.
WINGS Tower (Pa)	278		CI	3105 (9-17)
Wings (Ambler, Pa)	3 WSW;rd E,W	350	25 S6	80,91 oct. Trees N,S.
Womelsdorf (Pa)	3 NW;hwy E	540	13 S1	73 oct.
Woodbury (N.J.)	1.8 SSW;RR N	50	21 S4	80 oct.
Zahns (Amityville, N.Y.)	2.5 NNE;RR NE	80	22 S6	80 oct. P-line SW.

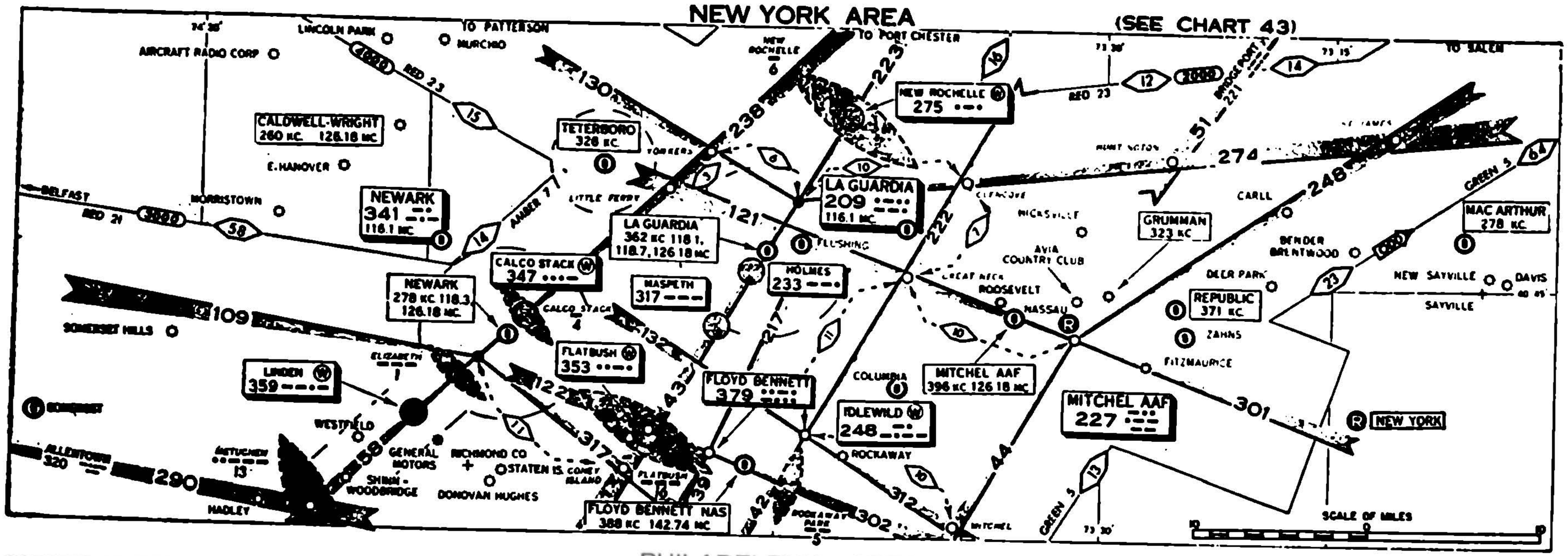
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LC/LR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
LA GUARDIA	109.9	333.8	44°	IM-	MM- (0.81) OM- (4.49)
				MMK- 233	OMK- 317
MITCHEL (L6)(A)	110.3	335	301°	IM- (0.04)	MM- (0.87) OM- (4.14)
				MMK- 257	OMK- 272
NEWARK (L6)	110.3	335	58°	IM-	MM- (0.61) OM- (4.64)
				MMK- 201	OMK-
PHILADELPHIA SW	109.9	333.8	85°	IM-	MM- (0.66) OM- (5.66)
				MMK-	OMK- 230

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
►— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


NEW YORK AREA
(SEE CHART 43)
TO PATTERSON
TO PORT CHESTER
TO SALEM
AIRCRAFT RADIO CORP
LINCOLN PARK
MURCHIO
NEW ROCHELLE
CALDWELL-WRIGHT
260 KC 126.18 MC
E.HANOVER
TETERBORO
328 KC
NEW ROCHELLE
275
LA GUARDIA
209
116.1 MC
BELFAST
MORRISTOWN
NEWARK
341
116.1 MC
LA GUARDIA
362 KC 118.1,
118.7, 126.18 MC
GRUMMAN
323 KC
MAC ARTHUR
278 KC
CALCO STACK
347
NEWARK
278 KC 118.3
126.18 MC
MASPETH
317
HOLMES
233
AVIA
COUNTRY CLUB
DEER PARK
BENDER
BRENTWOOD
NEW SAYVILLE
DAVIS
SAYVILLE
REPUBLIC
371 KC
ZAHNS
SOMERSET HILLS
FLATBUSH
353
FLOYD BENNETT
379
MITCHEL AAF
396 KC 126.18 MC
LINDEN
359
IDLEWILD
248
MITCHEL AAF
227
NEW YORK
WESTFIELD
GENERAL
MOTORS
SHIRA -
WOODBRIDGE
RICHMOND CO
STATEN IS.
CONEY
ISLAND
DONOVAN HUGHES
ROCKAWAY
ALLENTOWN
320
HADLEY
FLOYD BENNETT NAS
388 KC 142.74 MC
SCALE OF MILES
PHILADELPHIA AREA
(SEE CHART 47)
LEBANON CO.
WOMELSDORF
BERKS
MADEIRA
READING
TO ALLENTOWN
MILLARD
ALLENTOWN
320
LAYFIELD
NEW HANOVER
STOWE-POTTSTOWN
POTTSTOWN
BLUE 20
PERKIOMEN
VALLEY
PHOENIXVILLE
VALLEY FORGE
LANCASTER MUN.
LANCASTER
PHILA MAIN LINE
PAOLI-MALVERN
HARRISBURG
242
COATESVILLE
W. CHESTER
PHILADELPHIA
266
116.1 MC
BOOTHWYN
BENEDICT
NOTE: HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY "N" QUADRANTS
SCALE OF MILES
TO N. BALTIMORE
TO N. BALTIMORE
DUPONT
388 KC
BUCKMAN
BRIDGEPORT
WILLOW GROVE NAS
391
DOYLESTOWN
LANSDALE
GLOSTER
TURNER
WINGS
278 KC
WILLOW GROVE NAS
356 KC 142.74 MC
JOHNSVILLE
284 KC
PRINCETON
PENNINGTON
NASSAU
TRENTON
MERCER CO
HIGHTSTOWN
MORRISVILLE
OLD STAR
SKYHAVEN
TRENTON-ROBBINSVILLE
PHILA. NE
371
KAISER
FLORENCE
BURLINGTON
SOMERTON
BUDD
BOULEVARD
RHEHL
PATCO
PHILA. N E
212 KC
MT. HOLLY
MT HOLLY
MAHALCHIK
FORT DIX AAB
LAKEHURST NAS
520
CASSVILLE
LAKEHURST NAS
3295 KC 142.74 MC
MOORESTOWN
CENTRAL
MUSTIN NAAS
251 KC 126.18, 142.74 MC
MARLTON-
MEDFORD
PHILA. S W
278 KC
118.1 MC
MERRILL
ECHELON
ALMONESSON
WOODBURY
BLACKWOOD
PITMAN
TRIANGLE
MILLVILLE
COYLE
FORKED RIVER
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
CHART 45

PHILADELPHIA

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Aircraft Radio Corp. (Boonton, N.Y.)	2.6 N;riv S	550	32	Poles N,E. Private.
Albert (Wallaceton,Pa)	3 ENE;rd N	1750	38 S5	80 oct.P-line sur fld.except W.
Alexandria (Pittstown,N.J.)	2 WNW;lk NE	340	18 S4	80 oct. Trees ENE.
ALLENTOWN Range (Pa) (Allentown-Bethlehem)	320(ZA)(116.1)	192°, 2.7	SBMRAZ-DTV	(4); 116.1, 122.1
[Allentown-Bethlehem] (Allentown, Pa)	4.6 NNE;RR NW	392	40h L5 S6	80,91 oct.Trees E,W.
ALTOONA Range (Pa) (Blair Co.)	338(RF)(116.1)	203°,1.3	SBMRAZ-DTV	(4); 116.1
Altoona (Duncansville,Pa)	1 SW;RR E	1050	36 S4	80 oct.
Angelica (N.Y.)	1.5 WSW;RR N		18 S1	80 oct. Data unver.
Barrett (Canadensis,Pa)	1.8 N	1450	18 S4	80 oct.
Bedford (Pa)	5.2 N;jct of hwys	1187	18 S4	Fuel.Data unver.
Bellefonte (Pa)	4.3 ESE;hwy N	1045	21 L3 S6	80, 91 oct.
Berwick (Pa)	2.2 ENE	620	22 S4	80 oct. P-line E,NE.
Bethlehem-Easton (Easton, Pa)	4.5 SW;riv S	360	27 S6	80 oct.P-lines sur fld
Binghamton (N.Y.)	7.2 NNE;RR NW	940	18 S2	80 oct. Trees N.
Black Moshannon, 51A, CG-LG (Philipsburg,Pa)	7 E;hwy N	1940	30h L3	
Blair Co.,34A,CG-PG (Martinsburg, Pa)	0.9 SE	1495	44h L3 S4	80, 91 oct.
Bloomsburg (Pa)	0.8 ESE;riv S	478	32 L5 S6	80,91 oct.P-line SW,E.
Blue Swain (Sayre, Pa)	2.7 WNW;riv E	800	29 S6	80 oct.Trees ESE;mtn WNW.
Brown (Pittstown, N.J.)	1.5 SW;RR NE	540	40 S1	80 oct.S,N blkd.Private. Emerg. only.
Carbondale-Clifford (Carbondale, Pa)	7 NW;lks SE	1520	19	1 E of Clifford
Cargill(Granville, Pa)	1.5 SW;RR SE	490	20 S6	80 oct. Obsts sur fld.
Carlisle (Pa)	1.8 WSW;RR N	480	23 S6	80 oct.
Centre (Berwick, Pa)	6.5 WSW;RR N	500	29 S6	80 oct. E blkd.
Centreville (Carlisle,Pa)	11.3 SW;RR N	660	23	Trees N, NE.
Chambersburg (Pa)	1.2 SSE;RR SW	650	22 S6	80 oct. E/W strip rough.
[Chemung Co.] (Elmira, N.Y.)	6.5 NW;RR S	951	40h L5 S4	80,91,100 oct.
(P) Chemung Valley (Athens, Pa)	1.8 NNW;riv E	850	25 S6	80 oct.
Cherry Spring (Galeton,Pa)	10 SW;hwy 1 S	2265	19 S2	80 oct Trees W,SE,NW.
Clearfield (Pa)	1.5 WSW;RR SE	1220	20 S1	80 oct. P-line NE.
Community (Whitesville, N.Y.)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S.
Convair (Allentown, Pa)	3 SSW	399	40h	
Costa's (Painted Post,N.Y.)	2.7 NW	960	16 S1	80 oct. Trees W,NW.
Cresson (Pa)	1 NE;RR W	2240	25 S2	80 oct. P-line S.
Crowner (Wellsville,N.Y.)	1 W;RR E	1506	22 S2	80 oct. Obsts sur fld.
Cub Haven (Lockhaven,Pa)	1.7 E;RR S	550	25h S6	80 oct. Pwrline E.
Daleville (Pa)	0.6 N;hwy W	1775	17 S4	80 oct. Hills S;stacks SW.
Danville (Pa)	2.2 SW;RR N	480	22 S3	80 oct.Hills SE.
Devener (Hanover, Pa)	2 NNE;hwy W	590	20 S6	80, 91 oct.
Doersom (Gettysburg,Pa)	2.4 NW;RR N	590	19 S6	80 oct. Trees SW.
Eagle (Horseheads, N.Y.)	1.8 SSW;RR E	900	22 S1	80 oct. Trees SW.
East Hanover (N.J.)	1 N	170	15 S2	80 oct. P-line W.
Easton (Pa)	3.5 NNW;hwy E	380	22 S6	80,91 oct.P-line NNW,WSW
East Penn (Andreas, Pa)	1.5 NE;hwy S	860	18 S6	73 oct.
ELMIRA Range (N.Y.) (Chemung Co.)	385(EA)(116.1)	75°,1.8	SBRAZ-DTV	(4); 116.1
Elmira (N.Y.)	2 SSW;RR E	890	16	Trees adj NE; S.
Elmira-Pine City (Elmira, N.Y.)	4.6 SW;hwy N	980	14	Trees WSW.
Emmaus (Pa)	1.3 W	435	19 S2	80 oct. N blkd.
Estler (Mohrsville,Pa)	3.5 W;pond W	390	22 S6	Ltd 80 oct.Trees W.
Fogelsville (Pa)	0.7 E;RR SE	460	15 S4	80 oct.
Gettysburg (Pa)	2.8 NNW;RR SW	600	24 S3	80 oct.
Gordon (Pa)	1.8 W;RR E	960	18 S2	80 oct. Hills S.
Grand Cannon (Wellsboro, Pa)	5.2 WSW	2000	31 S2	80 oct.
Grants (Quakertown,Pa)	4 WNW;hwy E	600	18 S6	80 oct.
Green Acres (Beaver Meadows, Pa)	2 S	1260	20 S4	80,91 oct.P-line ENE.
Grimes (Bethel, Pa)	1.7 ENE;hwy S	582	29 S6	80,91 oct.Mtn NE.
Hackettstown (N.J.)	2 SSW;riv E	560	30 S4	80,91 oct.
Hadley (New Brunswick, N.J.)	4 N;RR N	100	27 S6	80,91 oct.
Halcott (Halcott City,N.Y.)	1 N		10 S1	80 oct. Data unver.
Hancock (N.Y.)	1.5 SSE;RR E	905	17	Hills SSE,NNW.
Harri-Emery (Bradford, Pa)	2.3 WSW;hwy N	1490	20 S4	80 oct.
HARRISBURG Range (Pa)	242(HX)(116.1)	118°,1.1	SBRAZ-DTV	(3); 116.1
HARRISBURG STATE Twr. (Pa)	278 (118.7)		AC	(4); 118.7,122.5
(N)[Harrisburg State] (Pa)	3.5 S;RR N	344	40h L5 S4	80,91 oct.Svcg days for NATS.
Hershey (Pa)	1.1 NNW;RR S	415	21 S2	80,91 oct.
Honesdale (Pa)	2 SE;riv S	920	25 S4	80 oct. Woods and hill E, W
Huguenot (Port Jervis,N.Y.)	3.3 NE;RR SE	480	21 S6	80 oct. Trees SW
Huntingdon (Pa)	1 S;riv NE	620	20 S4	80 oct. P-line W.
Jersey Shore (Pa)	1.5 E	530	25 S4	Data unver.
Keystone Park (Ebensburg, Pa)	3 SW;hwy E	2100	23 S4	80 oct. Obsts sur fld.
Kutztown (Pa)	1.5 S;RR SE	400	25 S4	73 oct.
Kylertown (Pa)	1 WNW	1660	40 S6	80 oct.Trees N,WNW.
LAKEHURST NAS Navy Range (N.J.)	520 (NEL)	157°,0.7	MRLZ	3195 (4495 kcs on req)
LAKEHURST NAS Tower (N.J.)	3295 (142.74)		CN	(3); 142.74
(N) Lakehurst NAS (LTA) (N.J.)(N)	1 NNW;riv N	94	38h L5 S6	91,100 oct.Lgts on req.
Lake Susquehanna (Blairstown, N.J.)	2.3 WSW;RR S	380	28 S6	80 oct.
Lehighton (Pa)	0.9 WSW;hwy NW	502	18 S6	80 oct. Trees WSW.
Lewistown (Pa)	4 SW;riv SE	560	20 S6	80 oct. P-line NW.
Livingston Manor (N.Y.)	0.8 SE;RR SW	1440	19 S3	80 oct.
(P) McKean Co.(Bradford,Pa)	11 S;RR SW	2140	45h S4	80,91 oct.
Margaretville-Fleischman (Margaretville,N.Y.)	0.4 SW;riv NW	1310	19 S1	80,91 oct.P-line NE.
Martin (Montour Falls, N.Y.)	1 NE;RR W, E	460	13 S4	80 oct.
Martins Creek (Belvidere, N.J.)	3 SSW;riv SE	340	26 S6	80,91 oct.P-line N,ENE. SE blkd.
Matamoras (Pa)	0.5 SSE;jct of rivs N	450	18h L4 S6	80 oct. No bcn. Lgts prior req.
Mid-Jersey (New Brunswick, N.J.)	3 WSW;hwy SE	120	18	P-line SE.Emerg. use.
Mid Valley (Olyphant,Pa)	3 N;rd NE	1580	20	
Mifflin Co.(Reedsville,Pa)	2.7 N;hwy W	830	37 S6	80,91 oct.
Milton (Pa)	0.8 S;RR W	450	27 S6	80 oct.P-line W,SW.
Monticello-Sullivan Co. (N.Y.)	1.4 S;RR E	1500	27 L S4	80,91 oct.Port rnwy lgts.
Morristown (N.J.)	3 E;RR N	187	40h L5 S4	80 oct.Lgts prior req.
Mt. Jewett (Pa)	0.8 ESE;hwy N	2240	19 S2	80,91 oct.Trees NE,W.
Mt. Pocono,21,BJ-LG (Pa)	1.5 NW;hwy NE	1925	26h L3	Trees NE.
(P) Mt. Union (Pa)	4 S;hwy E	560	30 S6	80,91 oct. E blkd.
Narrowsburg (N.Y.)	0.6 NNE;RR E	700	18 S4	80 oct. Mtns N, NE.
Nicholson-Mt.View (Nicholson, Pa)	4.8 ENE;crk NW	1280	21 S2	80 oct. Hills SE;trees NW
No. Brunswick (New Brunswick, N.J.)	2 SW;RR E	120	25	Sto.Poles ENE,ESE. P-line N,WSW.
Northwest Jersey (Clinton, N.J.)	3.6 W;RR S	380	22 S4	80 oct. Poles N,S.
Olean (N.Y.)	1.8 SE;riv N	1440	30 S4	80,91 oct.Trees W,N. Hill S.
OLMSTED Tower (Pa)	396(126.18)+		CA▶:45,05	(4); 126.18
(A) Olmsted (Middletown, Pa) (A)	1 W;RR N; riv S	300	50h L5 S6	62-100 oct. JP-1. Poles NE, N.
Osceola Mills (Pa)	0.5 NE;hwy N	1640	26 S2	80 oct. P-line E.
Painted Post (N.Y.)	4.4 SW;RR W	950	19 S2	80 oct. Trees E,W.
Penn-Harris (Harrisburg, Pa)	4 ESE;RR N	400	18 L S6	80,91 oct.Flood lgts.
PHILADELPHIA SOUTHWEST Range (Pa)	266(PG)(116.1)	97°,3.0	SBMRAZ-DTV	(4); 116.1
PHILADELPHIA SOUTHWEST Tower (Pa)	278 (118.1)		C (ILS-W)	(4); 118.1, 122.5
[Philadelphia Southwest] (Pa)	6.5 SW;riv S, SW	10	54h L6 S6	80,91 oct. Rdo rcvr rqrd.
PHILADELPHIA NORTHEAST Range (Pa)	371 (NF)	238°,2.9	MLWZ-DT	
PHILADELPHIA NORTHEAST Tower (Pa)	212		CI	(4)
(P) Philadelphia Northeast (Pa)	12.2 NE;riv 1.5 SE	120	50h L5 S6	80,91 oct.No flood lgts.
PHILIPSBURG Range (Black Moshannon,Pa)	224(MJ)(116.1)	169°,5.0	SBRAZ-DTV	(4); 116.1
Quakertown (Pa)	2 W;hwy E	520	21 S4	80 oct.
Randall's (Middletown, N.Y.)	1.8 ESE;RR NW	520	20 S2	80, 91 oct.
Reifenberg (Hazelton, Pa)	5.8 NNW;rd E	1146	21 S4	80 oct.
Reigel (Cambelltown,Pa)	1 N;hwy N	475	20 S4	80 oct.
Rockville-Danielsville (Danielsville, Pa)	1.7 E;RR N	720	20 S6	80 oct.Hill N.P-line E.
St. Mary's (Pa)	3.2 ESE;RR W	1900	21	
Schuylkill (Pottsville,Pa)	8.3 ESE;lk SE	510	29 L S6	80 oct. Port rnwy lgts. Hills E,NE, SW.
Scranton (Pa)	7.2 WNW	1150	24h L3 S6	73-91 oct.Fld lgts prior req.
Selinsgrove (Pa)	1.1 N;hwy E	450	25 S2	73,80 oct.P-line E,W.
Shamokin (Elysburg,Pa)	2 SE;RRs W	1100	16 S2	80 oct.
Shinn-Woodbridge (Woodbridge, N.J.)	3.9 NW;RR E	120	21 L S4	73,80 oct.P-line SE.
Sidney (N.Y.)	1 WSW;RR SE	1012	24 S4	80 oct. P-line S.
Sky Haven (Tunkhannock, Pa)	0.3 S;RR N	639	20 S6	80,91 oct.P-lines,trees SW.
Skyview Acres (Muncy,Pa)	1.4 NE	500	26 S2	80,91 oct.P-line S,SE.
Solberg-Hunterdon (Readington, N.J.)	1 NNW;rd E	200	45 L S6	80,91 oct. Port lgts on req.
Slyder's (Emporium, Pa)	4 ESE;RR 1.7 W	2000	20 S2	80 oct.
Sommerset (Sommerville, N.J.)	4.6 NW;RR SE	105	20 S5	80,91 oct.Trees W.
Somerset Hills (Basking Ridge, N.J.)	1.6 SE;RR S	250	24 S6	80 oct. P-line W.
Starhaven (Middletown,N.Y.)	1.3 NW;RR N,SW	750	29	Trees SW,SE,NW.
State College (Pa)	3.4 E;hwy S	1200	17 S6	80 oct. P-line NW.
Stroudsburg-E.Stroudsburg (Stroudsburg,Pa)	2.5 NNW;RR S	480	22 S6	80 oct.
(P) Stultz (Altoona, Pa)	10.7 NNE;RR NW	970	30 S6	80,91 oct.P-line E.
SUNBURY MH Fac.(Pa)	353(SV)(116.1)		MHTV	(4); 116.1
Sunbury (Pa)	2 NNE	443	35 S4	80 oct.
Sunset Arwys (Chambersburg, Pa)	3.5 NNE;RR NNW	650	24 S4	80 oct.P-line E,NNW.
Susquehanna (Pa)	1.2 W;riv S	1000	17 S2	80 oct.
Sussex (N.J.)	1.2 WSW;RR S	420	25 S6	80 oct.200' knoll NNE
Swatara Valley (Pine Grove, Pa)	4 WSW;RR N	480	21 S4	80 oct.
Tamaqua Int,61B,CG-LG (Pa)	2.2 WNW;hwy W	1260	30 L3	
Taylor (New Kingston,Pa)	0.5 SE;hwy N	440	28 S6	80 oct.P-line N.
Towanda (Pa)	1.5 SSE;RR W	700	25h S2	80 oct.ENE,NE blkd.
Trexlertown (Pa)	0.7 E	430	24 S4	Data unver.
TRI CITIES Tower (N.Y.)	278		CI	3105,6210 (days)
Tri-Cities (Endicott,N.Y.)	3.5 WSW;riv S	840	35h L3 S6	80,91 oct.Wooded ridge W, ESE.
Trinca (Andover, N.J.)	2 WSW;RR E	600	24 S6	73 oct.
Tyrone Speedway (Pa)	4.2 SW;riv S	965	23 S4	80 oct. Mtns S. Trees WSW, N, ENE.
Utahville (Pa)	1 N;RR S	1800	22 S6	80 oct.Ltd 91 oct.
Valley Air Park (York,Pa)	3 ENE;RR N	420	21 S6	80 oct.Poles SSE,NW.
Waynesboro (Pa)	3 SE;hwy N	700	20h S6	80 oct.
WILKES-BARRE Range (Wilkes-Barre-Scranton)(Pa)	272(WI)(116.1)	91°,4.0	SBMRAZ-DTV	(4); 116.1
Wilkes-Barre (Pa)	3.5 NNE;riv S	546	35h L3 S4	80,91 oct.Lgts prior req. or in emerg.
[Wilkes-Barre-Scranton] (Wilkes-Barre, Pa)	10 NE;riv N	950	52h L5 S1	80,91 oct.Lgts on req.
WILLIAMSPORT Range (Pa)	375(IA)(116.1)	281°,7.0	BMRLZ-DTV	(4); 116.1
(P)[Williamsport] (Pa)	5.1 E;riv S	529	43h L5 S6	80,91 oct.Lgts emerg only.
Wurtsboro (N.Y.)	2 NE;RR E,SE	560	31 S6	80 oct.Obsts sur fld.
←York (Pa)	See Thomasville under "New Facilities" - name change			

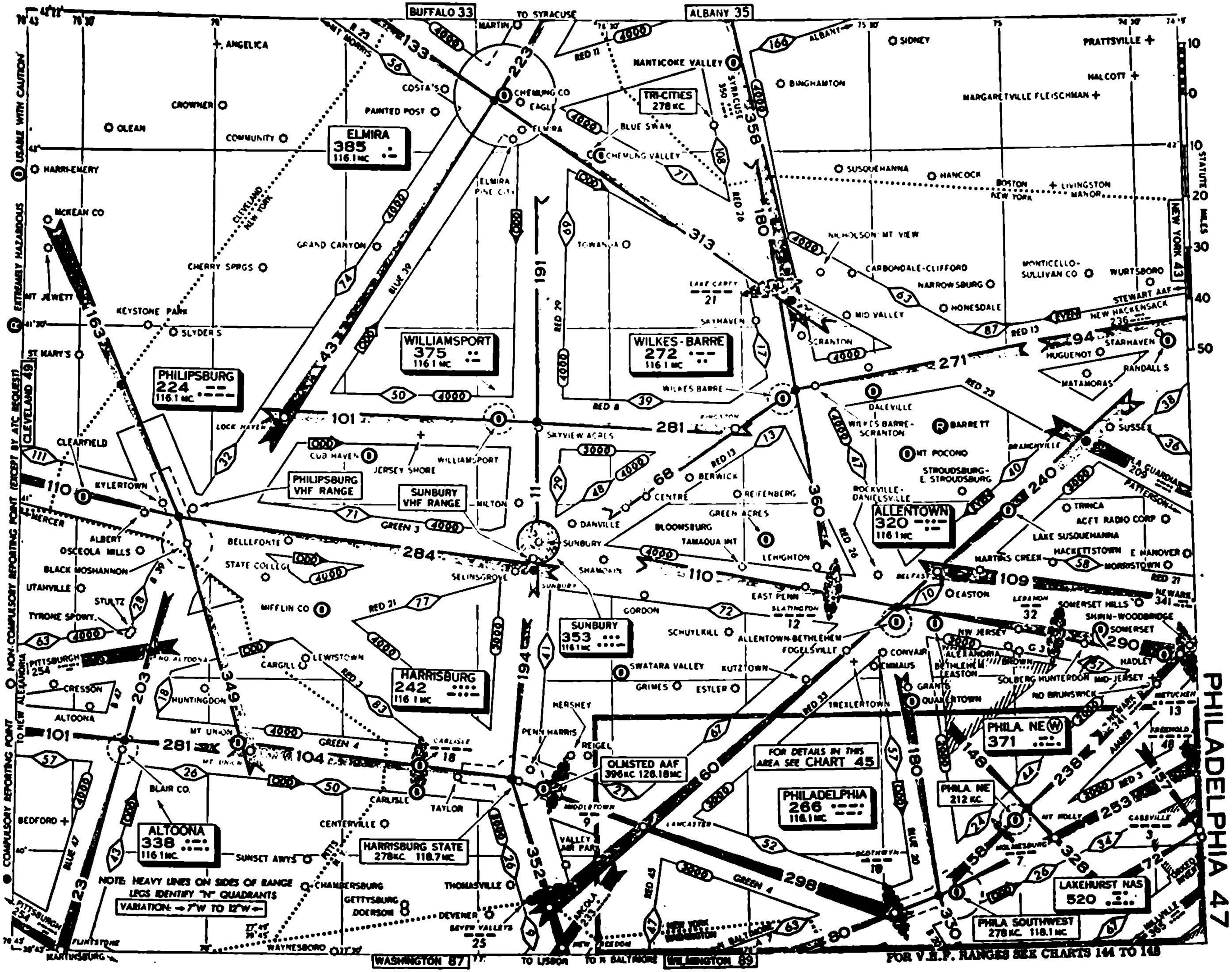
INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

LOCATION	LC/LZ R.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
PHILADELPHIA SW	109.9 ·—·—·	333.8	85°	MM- ·—·—· (0.66)	OM- ——·· (5.66)
				MMK-	OMK-230 ··—··
				MM-	OM-
				MMK-	OMK-

←Thomasville (York,Pa)	8.3 WSW;RR E	469	19 S6	80 oct.Pwrline NW.
Nanticoke Valley (Maine,N.Y.)	4 NNE;hwy E	975	18 S2	80 oct.Data unver.
Prattsville (N.Y.)	1.5 SE;riv W	1200	15 S1	80 oct.Mtns sur fld.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. ✣ – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◉ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
←→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


BUFFALO 33
ALBANY 35
TO SYRACUSE
ELMIRA 385 116.1 MC
TRI-CITIES 278 MC
WILLIAMSPORT 375 116.1 MC
WILKES-BARRE 272 116.1 MC
PHILIPSBURG 224 116.1 MC
PHILIPSBURG VHF RANGE
SUNBURY VHF RANGE
SUNBURY 353 116.1 MC
HARRISBURG 242 116.1 MC
ALTOONA 338 116.1 MC
HARRISBURG STATE 278 MC 118.7 MC
OLMSTED AAF 396 MC 126.1 MC
PHILADELPHIA 266 116.1 MC
ALLENTOWN 320 116.1 MC
PHILA NE (W) 371
PHILA NE 212 MC
LAKEHURST NAS 520
PHILA SOUTHWEST 278 MC 118.1 MC
FOR DETAILS IN THIS AREA SEE CHART 45
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 7°W TO 12°W
WASHINGTON 87
WILMINGTON 89
TO LISBON
TO N BALTIMORE
FOR V.F.F. RANGES SEE CHARTS 144 TO 148
PHILADELPHIA 47
STATUTE MILES
NEW YORK 43
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
CLEVELAND 49
TO NEW ALEXANDRIA

CLEVELAND

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR. & DIST / ELEV	CLASS	REMARKS FREQS GUARDED, HRS OF OPERATION
AKRON Range (Ohio)	362(AX)(116.1)	45°, 0 4	BMRLZ-DTV	(3); 116 1
AKRON Tower (Ohio)	272 (118.9)		C	(4); 122 5, 118 9
(P) [Akron] (Ohio)	3 4 SE; RR W	1042	44h L5 S6	80-100 oct P-line SW; hills SE ARPT OF ENTRY.
Akron-Canton Arpt-Co Field (Canton, Ohio)	8 5 NNW; RR 1 W	1227	56h L6 S1	80, 91 oct.
ALLEGHENY CO Tower (Pa)	278 (126 18, 118.7)		AC	(4); 140 1, 122 5, 126 18
[Allegheny Co.] (Pittsburgh, Pa)	5 3 S; RR NW	1251	57h L6 S6	80-100 oct No ctc lgts Rdo rcvr rqrd.
Allegheny Valley (Tarentum, Pa)	3 2 W; RR W	1125	24 S4	80 oct.
Ashland (Ohio)	1 8 N; hwy W	1079	28 S4	80,91 oct P-line W E blkd
Ashtabula (Ohio)	3 1 W, lk N	621	17 S6	80,91 oct Soft when wet
Austintown (Ohio)	0 8 SSE; hwy N	1160	31 S4	80 oct E,W blkd
← Bernard (Youngstown, Ohio)	3 4 E; lk N	1140	28 S6	80,91 oct P-line N,S,W Smudge pots in emerg.
Bird (Youngstown, Ohio)	2 6 NE; RR W	1000	23 S4	80,91 oct P-line W,N
Braebreeze (Marchand, Pa)	0 3 N; RR NW	1600	18 S2	80 oct Trees N,NE
Briggs (Zanesville, Ohio)	6 4 NNE; riv W	780	18 S2	80 oct P-line N, E
Brockway (Pa)	1 3 NE	1700	18 S2	80 oct Trees SE, NW
Brokenstraw (Youngsville, Pa)	2 6 W; RR S	1230	19 S6	80 oct P-line NE, SW, WSW
← BROOKVILLE H Fac (Pa)	391(BR)(116.1)		MHTV	(4), 116 1 Manned 7-23
• Brookville Int. 45A, CG-LG (Pa)	2 WSW, RR E	1416	30 L3	Trees E,W,SW
Butler-Alameda (Butler, Pa)	3 4 WNW	1340	24 S6	80 oct P-line E.
Calvin (No. Lima, Ohio)	2.8 WNW	1165	23 S1	80 oct N,NNW,SSE blkd
Cambridge (Ohio)	2 N, RR S, 1 W	800	27 L3 S6	80 oct Hill, trees ESE, SSW
CECIL H Fac (Pa)	219 (C)	265°, 10.3	FMHW	(Cont.) (Pittsburgh)
CLEVELAND Range (Ohio)	344(CV)(116 1)	100°, 0 7	SBRAZ-DTXV	(4); 116 1
CLEVELAND Range (Ohio)	278		ML	Opers on req
CLEVELAND Tower (Ohio)	278 (126 18, 118.3)		AC	(4); 126 18, 118 3, 122 5
(A) [Cleveland] (Ohio)	8 5 SW riv W	789	60h L6 S6	73,80,91,100 oct JP-1 FEE ARPT OF ENTRY
Clickenger (Columbus, Ohio)	6 2 SSE, RR E	748	26 S4	80 oct P-lines N,NE,SW, NW Rough
COLUMBUS Range (Port Columbus NAS, Ohio)	391(CO)(116 1)	84°, 1 9	SBRAZ-DTV	(3); 116 1
Commerce (Zanesville, Ohio)	6 5 N riv 1 5 E	800	29 S6	80, 91 oct
Conneaut Lake (Pa)	1 7 WSW, hwy SE	1250	19 S3	80,91 oct P-line SE end
(P) Connellsville (Pa)	5,2 SW, hwy E	1250	34h S6	80, 91 oct
Conway (Pa)	0 7 N	950	24 S4	80 oct Hill N Rnwy data unver.
Cramer (Clarion, Pa)	1 ENE, riv N	1480	28 S6	80,91 oct Trees N,E,S
Dubois (Pa)	1 7 ESE, RR NE	1575	30 S6	80,91 oct P-line W
East Pittsburgh (Pa)	10 ESE, lk SW	1150	21 S6	80 oct Trees NE
Elser (No. Lima, Ohio)	1.2 NW, hwy E	1060	18 S1	80 oct Trees E,W Hwy S
ELYRIA H Fac. (Ohio)	219 (S)	280°, 10.9	FMHW	(Cont) Cleveland
ERIE Range (Port Erie, Pa)	371(ER)(116 1)	64°, 2 0	SBMRAZ-DTV	(4); 116 1 (ILS-W)
Erie City (Kearsarge, Pa)	0 5 W; hwy E	900	29 L S6	80,91 oct Port rnwy lgts P-line SE
Erie Co (Erie, Pa)	11 6 SW, hwy N	805	24 S6	80 oct P-line SSE, NW
Falconer (N Y.)	1 3 NNE, RR S	1250	22 S4	80 oct Obsts sur fld
Fenwick (Kellys Island, Ohio)	1 3 NE; bay N	600	15	W blkd, trees S Rough
Gage (Mansfield, Ohio)	4 5 W, RR S	1360	13 S6	80 oct Trees E
Galion (Ohio)	1 5 WNW, RR SE	1155	18 S2	80 oct
Glendale (W Va)	0 5 WSW, riv W	640	24 S6	80 oct Trees N,S P-lines S
GREATER PITTSBURGH Tower (Pa)	396(126 18)+		CA	(3); 126 18
(A) Greater Pittsburgh (Pittsburgh, Pa) (A)	15 WNW, riv N	1145	55h L5 S4	100 oct
(P) Green Co (Waynesburg, Pa)	2 7 E	1100	30 S6	80,91 oct Obsts sur fld
Green (Ridgeway, Pa)	3 NW, hwy 1 E	1720	21 S1	80 oct.
Greenville (P.)	3 W, RR E	1180	17 S2	80 oct P-line S, SW
Grove City (Ohio)	1 S; RR W	860	21 S6	80,91 oct Trees E, poles W
Grove City (Pa)	2.1 SSE; RR E	1275	22 S6	80,91 oct.
Hall (Warren, Ohio)	3 5 ENE; RR NW	900	26 S1	80 oct Private Poles E
Hamilton (Indiana, Pa)	2.5 E; hwy S	1440	26 S6	80 oct P-line S
Harrison City (Pa)	1.1 NW; hwy S	1200	17 S4	80 oct S & NW blkd
HAYESVILLE H Fac. (Ohio)	329 (HA)		BMHT	(4) (Cont.)
← Hayesville Int. 27, LV-CV (Ohio)	21 5 WNW; hwy E	1300	30 L3	
Herronville (New Cumberland, W Va)	4 NE; lk W	1250	17 S4	80 oct.
Hinde (Sandusky, Ohio)	2 8 E; RR S	574	30 S6	80 oct P-line SE, S. ARPT OF ENTRY.
Jamestown (N.Y.)	4.1 N; hwy E	1719	27h S6	80 oct. Trees S.
(P) Johnstown (Pa)	4.7 E; hwy N	2282	45h L5 S6	80,91 oct No flood lgts
Kent State (Ohio)	2.8 W, RR S	1120	36 S4	80 oct No sto P-line N.
Keystone (Emporium, Pa)	0.5 SW	1210	15	P-line SW, NE
Lake Milton (Ohio)	0.4 W, lk E	950	17	Rough P-line NE, E
Lakeville (Conneaut, Ohio)	2 ESE; RR N	670	18 S4	80 oct P-line N, NE, NW
Latrobe (Pa)	2.8 SSW; hwy N	1144	23h S4	80 oct.
Leechburg (Pa)	1.6 SE; RR SE	960	26 S6	80,91 oct SE blkd
Ling (Barberton, Ohio)	3 WSW; RR 0.8 N	1150	30 S4	80 oct Obsts sur fld
LOCKBOURNE AAB Tower (Columbus, Ohio)	317 (126 18)+		CA (ILS-W)	(3); 126 18
(A) Lockbourne AAB (Columbus, Ohio) (A)	11.5 SSE; RR W	744	55h L5 S5	73,100 oct JP-1
Lodi (Ohio)	2.2 ENE; hwy E	1135	25 S4	80 oct Poles W; bldg NE
McKinley (Canton, Ohio)	2.3 NE; hwy SE	1100	28 S2	80 oct P-line E, SE.
Magnolia (Ohio)	0.5 NW, RR SE	970	22 S2	80 oct. Trees W.
Mansfield (Ohio)	3.8 N; RR E	1300	56h S6	80,91 oct.
Martin (Canton, Ohio)	4 NNE; hwy SE	1080	30 L S6	80 oct Flood lgts on req P-line W, NW; ridge SE
Mayer (Pa)	10 WSW, RR S	900	18 S6	80 oct House NE, E blkd
Medina Prichard (Medina, Ohio)	3 WNW; RR NW, SE	1060	29 S6	80 oct No sto; poles S Rnwy data unver.
Mercer (Pa)	4.8 NNE; RR W	1300	22 L1 S6	80 oct.
Merry's Pymatuning (Linesville, Pa)	1 5 NW, RR E	1200	21 S3	80 oct P-line NNE
Miller (No. Benton, Ohio)	1.5 W; RR SE	1070	28 S4	73 oct Poles S
Mt Pleasant-Scottsdale (Mt. Pleasant, Pa)	2.8 S; dam NNE	1160	18 S6	80 oct Trees SE
New Alexandria (Pa)	1 5 ENE; hwy N	1200	18 S4	80 oct P-line N
Newark, 2, CO-PG (Ohio)	3.5 SW, RR 1 NW	880	24 L3 S4	80 oct S blkd
New Castle (Pa)	4 WNW; hwy SE	1080	29h S6	80, 91 oct
(P) New Philadelphia (Ohio)	2.5 SE; riv 0.5 SW	885	36 S6	80 oct P-line and obsts sur fld.
Newton Falls (Ohio)	2 SW; RR E	950	22 S1	73 oct.
Noble (Massilon, Ohio)	4.5 NNE	1080	29 S4	80 oct No sto P-lines SW,S
Norton (Columbus, Ohio)	6.5 E, RR N	800	22 S4	80,91 oct P-line SW
Norwalk (Ohio)	0.8 NE; RR W	700	18 S2	80 oct Poles W, SW Const on E/W rnwy.
Norwalk Arpk (Ohio)	2 NNE, RR W	690	29 S6	80 oct. Poles W, SW
(P) Ohio State University (Columbus, Ohio)	8 NNW, riv 2 E	900	22h S4	80,91 oct Svcg 0830-1730 until Sept 30
Parks (Norwalk, Ohio)	4.5 S; hwy W, E	880	28 S2	80 oct House NE, E
Patterson Hgts (Beaver Falls, Pa)	1 5 S; riv SE	1020	27 S4	80 oct
Peninsula (Port Clinton Ohio)	3 5 E; RR S	587	36 L3 S1	80 oct P-line N, S
Penn-Mead (Meadville, Pa)	4 SW, hwy E	1365	20 S3	80 oct Trees N,E,S,W
PERRY H Fac. (Ohio)	332 (PE)(116.1)		MHTV	(4); 116 1
• Perry Int, 4B, CV-AZ (Ohio)	2,3 NE, hwy N	692	25 L4	P-line E, SE.
Perry (Mars, Pa)	5 E; hwy E	1060	25 S6	80 oct N blkd
PITTSBURGH Range (Pa) (Allegheny County)	254(PT)(116.1)	85°, 2.2	SBRAZ-DTV	(3), 116 1
Pittsburgh-Bettis (Pittsburgh, Pa)	5 SSE	1250	25h S6	80, 91 oct
Pittsburgh-Butler (Butler, Pa)	6.2 SSW; hwy E	1235	49 L1 S6	80 oct
Pittsburgh-Greensburg (Greensburg, Pa)	2 3 SE; reservoir N	1280	19 L1 S6	80 oct Tower W; trees E
Pitt-Wilkins (Pitcairn, Pa)	1 N	1200	23 S4	80 oct. S blkd.
Port Bucyrus (Bucyrus Ohio)	2 S; RR NW, E	1000	26 S6	80 oct Poles E
PORT COLUMBUS NAS Tower (Columbus, Ohio)	278 (118.5, 126.18)		AC (ILS)	(4); 122.5, 118.5, 126 18
(N) [Port Columbus NAS] (Columbus, Ohio)	7 E; RR S	817	50h L6 S6	80,91,100 oct P-lines NE, E, W.
[Port Erie] (Erie, Pa)	6 WSW; RR SE	735	45h L6 S6	80,91 oct. Flood lgts on req. P-line E, S.
Port Lancaster (Hooker, Ohio)	0.8 N; RR W	800	28 S1	80,91 oct Hwy W
Port Lawrence (Corry, Pa)	1.2 S; RR N	1745	23 S2	80 oct Trees SE, W, NW
Port Meadville (Meadville, Pa)	3.4 W; hwy S	1400	32h L4 S6	80,91 oct Flood lgts on req. Trees NE
Port Warren (Warren, Ohio)	1.5 N; RR W		24 S1	80 oct Data unver.
Price (Columbus, Ohio)	6 SE; bet RRs	760	22 S6	80,91 oct P-line S, SE. Use strips.
Punxsutawney (Pa)	3 NE; hwy 0.5 S	1470	22 S2	80 oct P-line SSE, S, ESE.
Put-In-Bay (Ohio)	1.2 SSW	590	14 S2	80 oct. P-line N, W, NW ARPT OF ENTRY
Ripley (N Y.)	1.4 WNW; lk N	850	22 S4	80 oct. No sto.
Riverside (Zanesville, Ohio)	3.4 NNE; RR W	700	40 S6	80 oct Hill, trees NNE, SSW
Salamanca (N.Y.)	1.6 W; RR N,S	1370	12 S6	80 oct.
Salix (Pa)	0.6 S; RR NW	2200	24 S4	80 oct.
Scott (Tiltonsville, Ohio)	1.5 SSW; riv E	650	25	
Sharpsville (Pa)	3 ENE	1110	18 S2	80 oct.
← Snook (Reynoldsburg, Ohio)	1.4 NE, hwy .5 S	960	25	80 oct P-line E
Somerset (Pa)	2 NNE; RR SE	2200	27 S4	80 oct P-line W.
← Southern Arwys (Woodsworth, Ohio)	2.5 NNW, hwy N	1040	27 S4	80,91 oct P-line E, NW Smudge pots in emerg.
Splane Mem'l (Oil City, Pa)	4.1 NNW; hwy E	1490	22h S6	80,91 oct Trees N,E,S
Star Valley (Charlerol, Pa)	3 SE; riv E	765	25 S1	80 oct Bldg S RR W
Stout (No Kingsville, Ohio)	1 E; RR N,S	710	30 S2	80 oct N blkd
Sullivant Ave. (Columbus, O)	6 WSW, RR NW	860	31 S6	80,91 oct P-line sur fld
Swaney (E Liverpool, Ohio)	4.9 NW, crk SE	1170	22 S2	80 oct.
Taylorcraft (Alliance, Ohio)	2.5 NNE; hwy E	1080	22h S5	80 oct No sto Poles sur fld
Thompson (Monongahela, Pa)	5 E	1240	20 S2	80 oct NE, SW blkd
Titusville (Pa)	3.7 WSW	1600	23 S6	80 oct Pwr-line NE, E
Toronto (Ohio)	1.5 NW; riv E	1050	22 S1	80 oct Trees S, SE
Tuttle (No. Madison, Ohio)	2.2 NW; lk N	625	16	80 oct N blkd P-line S
Tyndall (Warren, Ohio)	6 NNW; RR E	940	28 L1 S4	80 oct N,S,W blkd
Vandergrift (Pa)	2 WNW	1000	24 S1	80 oct P-line NW SE, W blkd
Warren (Pa)	2 WSW, RR N	1100	23h S6	80 oct P-line WNW
Warren Arwys (Ohio)	2,3 WNW; hwy N	900	25 S4	80 oct Trees S, WNW
← Watson (Youngstown, Ohio)	3.8 E; lk S	1080	31 S4	80,91 oct. P-line W.
← Weirton (Hollidays Cove)	1.5 E	1144	46h S6	80,91 oct Data unver (W Va)
Welsh (No. Lima, Ohio)	2.4 S; hwy E	1155	18 S1	80 oct. E blkd Lake E
Westfield (N.Y.)	1.5 WSW; hwy N	758	18	S blkd.
Westfield (LeRoy, Ohio)	1.2 SSE; RR E, S	1030	25 S4	80 oct P-line W Rnwy data unver.
(P) Wheeling Ohio Co. (W.Va)	7.5 NNE; riv 2 W	1193	50h L5 S4	80,91 oct Lgts prior req.
Whiteley (Alliance, Ohio)	2 ESE; RR W	1065	16 S1	80 oct N,S blkd
Willard (Ohio)	1.6 SSW, RR NE	960	29 S6	80 oct Poles S,W.
Woodsfield (Ohio)	1 W; hwy E	1220	19	Emerg. only
(P) Wooster (Ohio)	3 NNE; hwy SE	1150	30 S6	80 oct. P-line N,SE,S
(P) Wynkoop (Mt. Vernon, Ohio)	1.4 SSW, hwy E	1050	34 S2	80,91 oct P-line N,W blkd.
YOUNGSTOWN Range (Ohio)	212(CT)(116.1)	185°, 3 4	BMRLZ-DTV	(3), 116 1
YOUNGSTOWN Tower ← [Youngstown] (Ohio)	278 / 11 N; hwy E	1178	C / 39h L5 S6	(4) (Ohio) / 80,91 oct.
ZANESVILLE H Fac. (Ohio)	263(VL)(116.1)		MHTV	(4), 116.1
(P) Zanesville (Ohio)	6.2 E, hwy 1 N	902	50h L5	Fld lgts prior req.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs. Compass Locator in kcs)

LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALLEGHENY CO.			95°	IM-	MM-	OM-
					MMK-201 • — • (0.8)	OMK-
LOCKBOURNE (A)	109 9		3°	IM- (0 16)	MM- • • • • • • (0 85)	OM- — — (4 29)
					MMK-	OMK-
PORT COLUMBUS	109.5		95°	IM-	MM- • — • — (0.65)	OM- — — (4.50)
					MMK-	OMK-

NEW FACILITIES

MORGANTOWN Range (W.Va)	296(MG)(116.1)	173°, 5.6	BMRLZ-DTV	(4), 116 1

RADIO: S - Simul Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111 1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
← → New or revised data. [Jones] - Airline Stops. N.B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) Ⓔ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION

WINDSOR 353 · WINDSOR 271 KC. · FOR DETAILS IN THIS AREA SEE CHART 141 · DETROIT 31 · BUFFALO 33 · CANADA UNITED STATES · TORONTO CLEVELAND · CHATHAM · GREEN 2 · CLEAR CREEK · ERIE 371 116.1MC · NO SPRINGFIELD 12 · PERRY 332 116.1MC ON REQUEST · CLEVELAND 344 116.1MC · CLEVELAND 278KC 118.3, 126.18MC · YOUNGSTOWN 212 116.1MC · YOUNGSTOWN VHF RANGE · YOUNGSTOWN 278 KC · GREENVILLE · MILLBROOK VHF RANGE · BROOKVILLE 391 116.1MC ON REQUEST · ELYRIA (W) 219 · AVON LAKE 8 · PUT-IN-BAY · FENWICK · PENINSULA · TOLEDO 239 · SANDUSKY · GREEN 3 · HINDE · VERMILION 26 · NORWALK ARPK. · NORWALK · CLEVELAND VHF RANGE · NO ROYALTON 11 · KENT STATE · AKRON 5 · WARREN AWYS. · NEWTON FALLS · PORT WARREN · LAKE MILTON · AUSTINTOWN · ARKON 362 116.1MC · AKRON 272 KC. 118.9 MC. · WELLINGTON VHF RANGE · PARKS · WILLARD · MEDINA-4 · PRICHARD · LODI · WESTFIELD · LING · ASHLAND · WOOSTER · AKRON-CANTON · NOBLE · MARTIN · McKINLEY · MAGNOLIA · MANSFIELD · PORT BUCYRUS · GALION · GAGE · FORT WAYNE · HAYESVILLE INT. · HAYESVILLE 329 · NEW PHILADELPHIA · WYNKOOP · MT. LIBERTY · COLUMBUS 391 116.1MC · OHIO STATE U · PORT COLUMBUS · NAS 278KC. 118.5, 126.18MC. · HILLIARD · SUMMIT STA. · NEWARK · BRIGGS · ZANESVILLE · CAMBRIDGE · SULLIVANT AVE. · SNOOK · PRICE · NORTON · CLICKENGER · GROVE CITY · LOCKBOURNE AAB 317 KC. 126.18 MC. · PORT LANCASTER · COMMERCE · RIVERSIDE · ON REQUEST · ZANESVILLE 263 116.1MC · WOODSFIELD · CINCINNATI 85 · WASHINGTON 87 · VARIATION: ← 2°W TO 7°W → · NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS · WHEELING VHF RANGE · WHEELING-OHIO CO. · SCOTT · CAMBRIDGE · GLENDALE · GREENE CO. · PITTSBURGH CINCINNATI · CECIL (W) 219 · WEIRTON · TORONTO · PITTSBURGH 254 116.1MC · GREATER PITT AAF 396 KC 126.18 MC · ALLEGHENY CO. 278KC 118.7, 126.18 MC. · ALLEGHENY VALLEY · PATTERSON HEIGHTS · MOORESTOWN · CONWAY · PERRY · EAST LIVERPOOL · SWANEY · HERRON · PITTSBURGH BUTLER · BUTLER ALAMEDA · BRAEBREEZE · PUNXSUTAWNEY · CLEVELAND PITTSBURGH · PHILADELPHIA 47 · WESTFIELD · PIPLEY · JAMESTOWN · FALCONER · SALAMANCA · PORT ERIE · ERIE CITY · PORT LAWRENCE · BOWENSTOWN · WARREN · MERRYS · PYMATUNING · CONNEAUT LAKE · PORT MEADVILLE · PENN MEAD · TITUSVILLE · SPLANE MEMORIAL · GREEN 5 · BROCKWAY · DUBOIS · PHILIPSBURG 224 · GROVE CITY · BROOKFIELD · BIRD · SHARPSVILLE · WATSON · BERNARD · NEW CASTLE · SOUTHERN AWYS. · CALVIN · TAYLORCRAFT · WHITELEY · ELSIA · WELSH · LEECHBURG · VANDERGRIFT · HAMILTON · NEW ALEXANDRIA · N. ALTOONA · RED 21 · KEYSTONE · ALTOONA 336 · JOHNSTOWN · SALIX · SUMMERHILL 22 · LATROBE · PITT-GREENSBURG · SOMERSET · FLINTSTONE · MORGANTOWN 269 116.1MC · CONNELLSVILLE · MT. PLEASANT SCOTTSDALE · PITT BETTIS · HARRISON CITY · PITT WILKINS · E. PITTSBURGH · THOMPSON STAR VALLEY · MT. PLEASANT · G.4 · 57 · 63 · 111 · 111 · 279 · 30 · 38 · 10 · 25 · 52 · 42 · 37 · 216 · 140 · 304 · 264 · 93 · 85 · 45 · 205 · 325 · 128 · 265 · 305 · 281 · 225 · 280 · 101 · 100 · 125 · 145 · 322 · 242 · 244 · 185 · 73 · 64 · 23 · 55 · 50 · 69 · 106 · 108 · 287 · 93 · 63 · 79 · 111 · 224 · 47 · 10 · 20 · 30 · 40 · 50 · STATUTE MILES · CLEVELAND 49

FOR V.H.F. RANGES SEE CHARTS 144 TO 148

INDIANAPOLIS

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED, HRS OF OPERATION
Adrian City (Adrian)	3 SW;RR N	800	25 S6	80,91 oct Obsts sur fld.
ARCHBOLD S Fac (Ohio)	371 (YV)		MHW	(Cont.) (Mich)
* Archbold (Short's) (A)	3.5 NNW;RR N	716	28 L3	(Ohio)
Avon Fld	2 S;hwy W	647	26 S1	80 oct Data unver
Avon Oil	1.3 NNW;RR E	872	27 S6	80,91 oct P-lines E,W Soft when wet
BAKER Tower (Ft Wayne) (A)	278		C	(4)
Baker (Ft Wayne, Ind)	7 5 SSW; RR E	798	63h L5 S4	91 oct 100 oct Army Fld lgts prior req
BEDFORD Tower (Ft Wayne)	278 (118.3)		C	(4), 118.3,122 5
Bendix (Ft. Wayne, Ind)	3.5 NW;hwy S	778	48h L3 S6	80-100 oct P-line E,S
Black Rock (Portland)	5 3 N,hwy E	925	17 S2	80 oct (Ind) NE,ESE
Bluffton-Wells Co	2.8 WSW;RR S	820	32 S4	(Bluffton,Ind.) 80 oct P-line
Brickley (Bowling Green)	1 NE,RR W	675	30 S6	(Ohio) 80,91 oct P-line NE
Bringham (Portland Ind)	1.5 E;RR E	1020	20	Poles S;120' tank SW,E,S,SW
Bryan-Defiance Mem'l (Defiance, Ohio)	5.2 NW,riv E	705	31 S2	73,80 oct P-line S,E
(N) Bunker Hill NAS (A)	1.8 W,hwy E	798	50h	INACTIVE (Ind)
Butler (Co Bend Mfd)	6.5 NE;RR E	730	26 S4	80 oct SE,E,SW,S blkd.
Cass Co Memorial (Dowagiac, Mich)	1 NW	750	31 S4	80 oct P-lines E,NE S blocked
← Cedar Lawn (Kenton)	2.3 S;RR E	975	16 S2	(Ohio) 80 oct P-line NE,E,SE
Chain-O-Lakes (So Bend)	5.2 W,lk SW	765	21 S6	80 oct P-line N,NW.(Ind)
Cheever (Demotte, Ind)	3 W		29 S1	80 oct Data unver
CLINTON CO AAF Range	114.3 (DWO)		VARW	(8-1630 Mon -Fri)
CLINTON CO Army H Fac (Ohio)	201	220° 0 2	MHW	(8-1630, Mon -Fri or on 30 min notice)
← CLINTON CO Tower (O) (Wilmington, Ohio)	272(126 18, 137 88)		CA(ILS-W) (GCA)	(3),126 18,137 7
Clinton Co AAF (Wilmington, Ohio) (A)	2SE;hwy NE	1062	60h L5 S1	73,91,100 oct JP-1 Rnwy lgts 1 hr's notice
* Coldwater Int,4 DY-GO	2 NW;crk NW	898	33 L3	(Ohio)
Coons (Nevada, Ohio)	0 3 NE;RR S		21 S2	80 oct Data unver
Cork (Marshfield, Ind)	2 NW	640	24 S2	80 oct, P-line N,
Coxey's (Winchester, Ind)	1 ESE	1088	16 S6	80 oct P-line S,SW Stacks NW
Crabill (Springfield, Ohio)	2.5 SE;RR E	1040	29 S6	80 oct P-lines S
Culver (Ind)	2 E,lk SW	815	26	Use strips only
Dahio (Dayton, Ohio)	8.5 W;hwy S	925	37 S4	80 oct
DAYTON Range (Ohio)	245 (DY) (116.1)	90° 3.2	SBMLZ-DTV	(3), 116 1
DAYTON Tower (Ohio)	278 (126 18, 118.9)		AC (ILS)	(4) 122.5,126 18,118.9
(P) Dayton (Ohio)	10 N;hwy E	1007	55h L6 S6	80,91,100 oct
Dr Haines (Three Rivers, Mich)	See Haines under "New Facilities": name changed.			Poles N (Ind)
E Richmond (Richmond)	3.7 ESE;RR E	1090	20 L S6	80 oct, Flares on req
Elkhart (Ind)	2.7 NNW;	752	30 S6	hwy LE 80,91 oct, Trees N,
Elwood (Ind)	2 S;hwy NW	861	23 S6	80 oct P-line S, NE,SE,NW
FINDLAY H Fac (Ohio)	209 (JF)		BMHT	(4) (cont)
Findlay (Ohio)	1.5 SSW	800	27 L4 S4	80 oct Obst sur fld.
FORT WAYNE Range (Ind) (Baer Field)	251 (FW) (116.1)	51° 3.3	BMRLZ-DTV	(4);116.1,122.1
Franklin (Toledo, Ohio)	4.5 WNW	630	32 S6	80 oct Poles sur fld
Gamble (Hobart Ind)	1.8 NNW hwy S	650	25 S6	80,91 oct P-line NE,E
Gary (Ind)	6 S,hwy W	610	23 S6	80,91 oct P-line E,SE,S.
Gordon (New Carlisle, Ind)	2.8 ESE; RR N	730	13 S1	Fuel avail SW,W Poles E.
GOSHEN Range (Ind)	320 (GO) (116 1)	90° 2.7	SBRAZ-DTV	(4);116.1,122.1
(P) Goshen (Ind)	4.5 SSE	823	39 L3 S6	80,91 oct P-line S,SE,SW
Grieser (Wauseon, Ohio)	2.5 E;RR N	750	24 S1	80 oct P-line S,SE,SW
← Grimes (Urbana, Ohio)	1.5 N,RR W	1055	25 L5 S2	80,9. oct Fld lgts prior req.
Halsmer (Lafayette, Ind)	3 ESE;RR S	595	40 L S6	80,91 oct Port lgts on req,P-line SW
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct Poles SE,SSW
Highland (Perrysv'l,Ind)	2.8 WNW	585	23 S2	Ltd 73 oct
Highman (Lebanon, Ohio)	3 E;RR W	880	16 S1	80 oct, Trees W,E
Hillsdale (Mich)	1.6 NW;RR E	1160	19 S4	80 oct Poles NE
← Hi-Way (Decatur, Ind)		775	25 S1	80 oct Wires E Data unver
(P) Hulman (Terre Haute, Ind)	5 ESE hwy N	585	53h L5 S4	80,91 oct No sto Fld lgts orior req
Huntington Mun (Ind)	2.5 SSE;riv S	825	22 S4	73 oct P-line W,NW
INDIANAPOLES Range (Ind)	266 (ID) (vhf)	75° 3.9	SBRAZ-DTV	(3),116.1,122 1

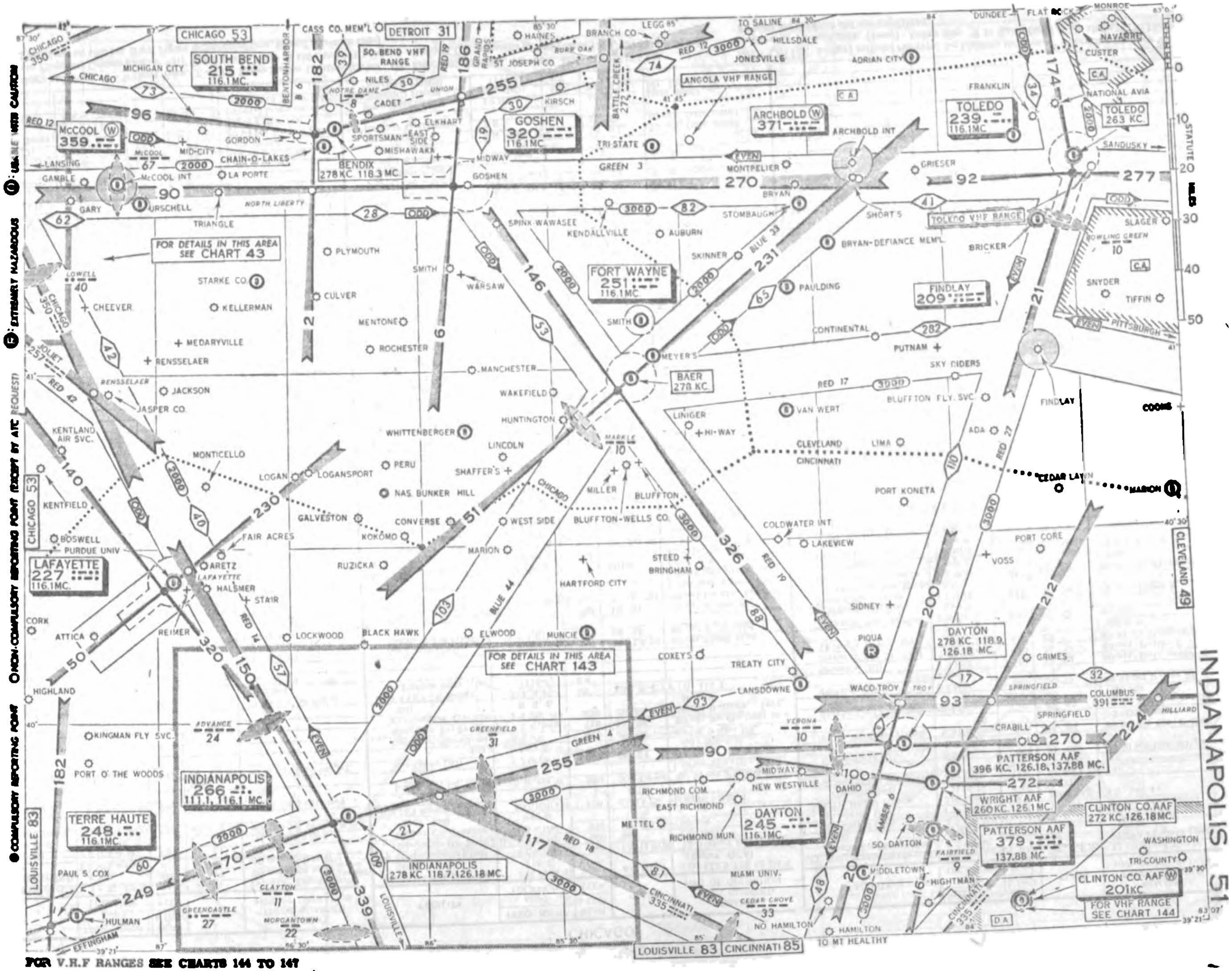
FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED, HRS OF OPERATION
INDIANAPOLIS Tower	278 (126 18, 118.7)		AC (ILS)	(4); 122 5,126 18,118 7
(P) Indianapolis (Ind)	8 SW,hwy E	796	53h (L6) S6	80-100 oct Exper lgtg
Jasper Co.(Rensselaer)	1.5 WNW	676	32 L3 S4	80 oct Hwy S (Ind)
Kendallville (Ind)	2 2 N;hwy W	696	25 S4	80 oct No sto P-line SW
Kentland (Goodland, Ind)	4 WNW	650	25 S4	80 oct, P-line NE. S
Kingman Fly Svc.(Ind)	1 ESE;hwy N	710	20 S4	80 oct P-line N,NE,E
Kirsch (Sturgis, Mich)	1 NW;RR E	922	24 S4	80 oct Poles S.E Use strips only
← Kokomo, mun.(Ind)	4.7 NE	827	40h L5 S4	80 oct P-line N Lgts
LAFAYETTE Range (Purdue Univ.)(Ind)	227 (LF) (116 1)	50° 2.4	BMRL-DTV	(4), 116 1 prior req
Lakeview (Montezuma)	1 SW;hwy W	895	24 S2	80 oct Pole N (Ohio)
Lansdowne (Greenville) Ohio)	2 ESE;RR N	1208	19 S6	80 oct Bldgs,h)-line N Data unver
La Porte (Ind)	2.5 SSW	801	29 L3 S6	80 oct S&SW blkd RR W
Legg (Coldwater, Mich)	1.5 NW	982	32 S4	80 oct, Trees E
Lima (Ohio)	4 WNW	830	26 S6	80,91 oct P-line N,RR
Lockwood (Frankfort,	2.5 S;RR W	873	20 S6	80 oct E,SE blkd NE
Logan (Logansport) (Ind)	7 S	594	15 S1	80 oct P-line S (Ind)
Logansport (Ind)	3.5 SW;hwy E	620	25 L S4	80 oct No sto Appchs blkd except S,SW. Port lgts prior req
Manchester (No.Manchester, Ind)	1.5 W;RR E	752	20 S2	80 oct Poles S
Marion (Ind)	3.8 SSW; hwy E	832	24 L S6	80,91 oct P-line NE,E Port lgts on req
Marion (Ohio)	2.5 WNW	915	28 S4	80 oct RR S
McCOOL H Fac (Ind)	359 (ML)		MHW	Oper cont
* McCool Int,3,CG-LG	2 SW;hwy S	654	24 L3	(Ind) P-line W.
Medaryville (Ind)	1.1 NW	645	24 S1	80 oct, Data unver.
Mettel (Connersv'l,Ind)	2.8 NNE	950	29 S2	80 oct Bet RRs.
Meyers (Ft.Wayne,Ind)	3 SSE,rd S,E	800	24 S6	80,91 oct Pwrline NE
(P) Miami Univ.(Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct Poles N,NW.
Mid City (Mich.City,Ind)	3 S	650	26 S4	80 oct Wires N
Michigan City (Ind)	4 E;RR N	650	23 S3	80,91 oct P-line S,W
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct Poles E,SW
Midway (Goshen,Ind)	5 NW		36	Data unver
Midway (Lewisburg)	3.4 WSW;RR E	1090	26 S4	80 oct Trees W (Ohio)
Monticello (Chalmers)	3 ENE;RR W	650	19 S2	80 oct Hwy W (Ind)
Monroe (Newport,Mich)	3.5 SSE,lk SE	590	29 S4	80 oct Trees NE,SE,SW
(P) Muncie (Ind)	3.5 N;RR SW	950	32h L4 S6	80,91 oct Lgts on req
National Avia.(Toledo, Ohio)	4.1 NNE.	595	38 S6	80,91 oct P-line NE,E S,SW,W
New Westville (New Paris, Ohio)	2.8 S;RR S	1180	21 S1	80 oct Poles E,NW,SE
Niles (Mich)	1.5 NE;RR NW	740	28 S2	80,91 oct P-line NE,N
No.Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	No sto Poles S blkd
Ockley (Ind)	1 W			ABANDONED
PATTERSON Army Range (Fairfield) (Ohio)	379 (DPK) (137.88)	32°. Z.96	SBMRAZ-DTV	(4).137.88
PATTERSON Tower	396(126 18, 137.88) +		CA(ILS-W) (GCA) 53.13	(4),126 18,137.88
(A) Patterson (Fairfield) (A)	1.6 WSW	819	78h L6 S4	73,100 oct JP-1 (Ohio)
Paul S.Cox (Terre Haute, Ind)	3.2 S;hwy W	485	27 S6	80,91 oct P-line NE,SW
Paulding (Ohio)	1.8 NE,RR 2 W	720	25 S4	80 oct S blkd.
← Peru (Ind)	3.5 WSW	650	24 S6	80 oct S,SW blkd Riv E
← Piqua (Ohio)	4 WNW,hwy S	1000	19 L S2	80 oct P-lines S.
(P) Plymouth (Ind)	1.5 NW;RR E	898	20 S6	80,91 oct N,SE appch
← Port Core (Rushsylvania, Ohio)	1.6 SSW; RR NW	1275	24 S2	80 oct Soft when clear wet P-lines N,NE
Port Kopsta (Wapakoneta, Ohio)	2.1 NNE;RR E	900	24 S6	80 oct SW,W,NW blkd.
Port O'the Woods (Annapolis, Ind)	2.2 NNW creek N	560	33 S4	80 oct Trees ENE,WSW
(P) Purdue Univ.(Lafayette, Ind)	2.5 W;RR N	605	35h L3 S6	80 oct No sto P-line N, stack NE
Reimer (Lafayette, Ind)	2 S		25 S2	80 oct Data unver.
Rensselaer (Ind)	10 NE		18	Data unver
Richmond,com. (Ind)	4 WSW;hwy N	1075	33 L1 S6	80,91 oct P-line N,E
(P) Richmond,mun (Ind)	6 SSE;RR W	1139	55h L5 S1	80,91 oct No flood lgts
Rochester (Ind)	1.5 E;RR N	779	25 L S6	80,91 oct Poles SE,NW,N
Russicks (Kokomo, Ind)	2.5 S;hwy E	800	26 S6	80,91 oct Pole E,NE blkd
St Joseph Co (Centerv'l)	5 SE;RR N	830	26	P-line N,NW blkd (Mich)
Shaffer's (La Fontaine)	5 NE;hwys N,W		19 S4	80 oct Data unver (Ind)
NEW FACILITIES				
Galveston (Ind)	3.2 W NW	795	37	
← Putnam (Ottawa, Ohio)	1 ENE			No other data available.

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED, HRS OF OPERATION
Sidney (Ohio)	1 W,RR S		25 S2	80 oct Data unver.
Skinner (Hicksv'l,Ohio)	1.6 NNW	810	26 S1	73 oct Obsts sur fld RRS
Slager (Fremont,Ohio)	2 NW;RR SW	630	24 S6	80 oct P-line N,E Bldgs
Smith (Ft.Wayne,Ind)	4.5 N;bet RRs	831	35h L4 S6	80,91 oct Lgts SE. prior req
Smith (Warsaw, Ind)	4 N	790	27 S2	80 oct P-line NE,SSW.
SOUTH BEND Range (Bendix) (Ind)	215 (SN) (116 1)	75° 3.3	SBMRAZ-DTV	(3);116.1,122.1
So.Dayton (Dayton,O)	5 SSW;RR W	750	32 S6	80 oct No sto Hills S.
Spink-Wawasee (Syracuse, Ind)	3.4 E	880	15 S1	80 oct, P-lines N,NE,S, SW.
Sportsman (Mishawaka)	3.7 NE,riv S	760	13 S4	80 oct, Appchs blkd exc. N,NW.
← Springfield (Ohio)	4.2 ESE: hwy E	1050	28 L4 S4	80 oct No sto. (Ind.) Lgts prior req P-line NE,E
Stair (Mulberry,Ind)	0.3 NE;hwy S	650	16 S4	80 oct No sto P-line S.
Starke Co.(Knox,Ind)	1.7 S	714	26 S3	80 oct P- Data unv. lines sur fld No sto.
Steed (Portland,Ind)	1.5 NW;hwy E	1000	24 S4	80 oct P-line N,NE.
Stombaugh (Bryan,Ohio)	0.5 S		24 S4	80 oct No sto Fence E wire W Data unver
TERRE HAUTE Range (Hulman) (Ind)	248 (TH) (116.1)	69° 5.8	BMRLZ-DTV	(4); 116.1
Tiffin (Ohio)	1.9 N;hwy E	750	26 S6	80 oct Poles E
TOLEDO Range (Ohio)	239 (TL) (116.1)	10° 2.7	SBMRAZ-DTV	(3); 116.1
TOLEDO Tower (Ohio)	263		C	(4)
(P) Toledo (Ohio)	8.2 SSE;RR W	623	42h L5 S6	80,91 oct P-line SW,E
Treaty City (Greenv'l)	1.5 NNE	1060	20 S4	80 oct P-line W (Ohio)
Triangle (Wellsboro)	2 NNE;hwy S	800	23 S2	80 oct (Ind) Hwy W
Tri-Co.(New Holland)	3 ESE;RR N	850	21 S1	80 oct (Ohio)
(P) Tri-State (Angola, Ind)	4.2 W;lk W	900	36 S4	80,91 oct P-line SE,S,SW
Urschell (Valparaiso)	1.7 NNE;hwy E	766	26 S4	80 oct P-line N (Ind)
Waco-Troy (Troy, Ohio)	1.8 SW;RR E	870	30 S6	80 oct No sto All appchs
Van Wert (Ohio)	1 WSW;hwy S	785	26 S6	80,91 oct Poles blkd N,S,NW,NE
Voss (Lewistown, Ohio)	5 WNW;hwy S		24 S2	80 oct P-line S Data unv
Wakefield (Huntington)	4 N;hwy E	750	30 S4	80 oct P-lines SE,SW (Ind)
Washington (Wash.C H)	4.5 ENE;RR S	910	22 S3	80 oct P-line S (Ohio)
West Side (Marion, Ind)	2.5 NW;hwy S	835	26 S6	80, 91 oct
Whittenberger (Wabash)	1.5 NNW	779	20 S2	80 oct, Hwy E, (Ind)
WRIGHT Tower (Ohio)	260 (126 1)		CA	3105,4495; 126.1
(A) Wright (Dayton, Ohio)	5 ENE;RR	830	72h L5	(A)

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator)

LOCATION	LC LZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM- OM-
					MMK OMK
DAYTON	110.3	335	55°	IM-	MM- (0.66) OM- (4.4)
					MMK OMK
INDIANA-POLIS(U.6)	109.9	333.8	44°	IM-	MM- (0.89) OM- (4.3)
					MMK 201 OMK 219
PATTERSON (A)	108.7	333.8	210°	IM- (0.05)	MM- (1.12) OM- (4.5)
					MMK OMK

NEW FACILITIES				
Mishawaka (Ind)	2 SE	700	35 S4	80,91 oct NNE/SSW
East Side (Elkhart, Ind)	2.5 E;RR N	750	28 S1	80 oct NNW/SSE blkd.
Kentfield (Kentland, Ind)	2.4 SSE,RR W	720	22 S4	80 oct Poles N,NE,SW,W
Starke Co.(Knox, Ind)	0.9 S,hwy E	714	29 S6	80 oct P-lines SW,NW,NE,
Custer (Monroe, Ind)	2.5 WNW	612	40 L1 S2	80 oct Trees N,W,S SE,
Branch Co.(Coldwater, Mich)	2.7 WSW;RR S	990	31 S4	80oct Hi-lines sur fld Data
Miller (Liberty Ctr, Ind)	1 NE	800	21 S4	80 oct Data unver. unver
Warsaw (Ind)	3 NNE		30 S1	80oct Wires S,N,NE Data
Stewart (Danville, Ind)	1.5 E	750	25 S2	80oct Wires N,S,I unver.
Skyway (Tolleston, Ind)	4.5 N Griffith	630	18 S1	80oct Trees NE,wires SE,
Boswell (Ind)	1.3 ENE,hwy W	740	19 S1	80 oct, P-line SW NW Data unv.
Fair Acres (Buck Crk, Ind)	0.3 ESE,RR N	595	24 S2	80oct P-line NE,W,NW.
Elnora (Ind)	0.4 SE		18 S1	80oct P-lines N,SE,NW
Ada (Ohio)	1.5 NNW;hwy E	945	22 S4	80 oct Data unver.
Bluffton Fly Svc. (Ohio)	1.3 ESE;hwy N	845	20 S4	80 oct W blkd
Liniger (Preble, Ind)	0.8 ESE;hwy N	750	24 S3	80 oct P-line NE,SW,W
Hartford City (Ind)	1.5 W	910	18 S1	Wires N Data unver
Kellerman (N. Judson, Ind)	1.5 S;hwy E	650	17 S2	80 oct, Wires SE.
Snyder (Fostoria, Ohio)	1.5 E NE;RR S	762	26 S4	80,91 oct W blkd.
Mentone (Ind.)	2 SW	800	22 S4	80 oct, P-line S,
Lincoln Fld. (Dora, Ind.)	3 SSW;hwy S	830	21 S1	80 oct, P-line E,
Short's (Archbold, Ohio)	2.2 WNW;RR SE	728	20 S2	80 oct, S blkd,
Bryan (Ohio)	2.8 N;RR SE	810	38 S1	80 oct, S,SW lead P-line W,
Continental (Ohio)	2 S;RR NW	726	35 S1	80 oct, N,E,W blkd,
Jackson (Francesville, Ind.	4.8 WSW	675	19 S2	80 oct,
Haines (Three Rivers,	2.3 NE;riv SE	820	25 S2	80 oct, N,E,S blkd. (Mich)
Jonesville (Mich.)	2.5 WSW; lakes S	1070	3 S2	80 oct Trees SE P-line NE
Sky Riders Inc (Pandora)	0.7 W;RR S	770	22 S2	80 oct P-line SE,NW (Ohio)
Montpelier (W Jefferson,	0.8 NW,RR N	890	24 S2	80 oct, P-line N,NE,W (Ohio)
Navarre (Woodland Beach, Mich)	2 WSW;RR W	580	30 S6	80,91 oct, P-line NE,SE,S.


CHICAGO 53
SOUTH BEND 215 116.1MC.
SO. BEND VHF RANGE
CASS CO. MEM'L
DETROIT 31
MICHIGAN CITY
CHICAGO
NILES
NOTRE DAME
UNION
CADET
ELKHART
SPORTSMAN-EAST SIDE
MISHAWAKA
McCOOL 359
GORDON
MID-CITY
CHAIN-O-LAKES
LANSING
GAMBLE
McCOOL INT
LA PORTE
BENDIX 278 KC. 118.3 MC.
GOSHEN 320 116.1MC
MIDWAY
TRI-STATE
HAINES
BURR OAK
ST JOSEPH CO
BRANCH CO
LEGG
TO SALINE
HILLSDALE
JONESVILLE
ANGOLA VHF RANGE
ADRIAN CITY
ARCHBOLD 371
ARCHBOLD INT
TOLEDO 239 116.1MC
FRANKLIN
NAVARRE
CUSTER
NATIONAL AVIA
TOLEDO 263 KC.
SANDUSKY
GRIESER
MONTPELIER
BRYAN
GARY
URSCHELL
TRIANGLE
NORTH LIBERTY
FOR DETAILS IN THIS AREA SEE CHART 43
PLYMOUTH
SMITH
WARSAW
STARKE CO.
KELLERMAN
CULVER
MENTONE
ROCHESTER
MEDARYVILLE
RENSSELAER
JACKSON
JASPER CO.
KENTLAND AIR SVC.
MONTICELLO
LOGAN
LOGANSPORT
PERU
NAS. BUNKER HILL
WHITTENBERGER
LINCOLN
SHAFFER'S
WAKEFIELD
HUNTINGTON
MANCHESTER
SPINK-WAWASEE
KENDALLVILLE
AUBURN
STOMBAUGH
SHORT'S
TOLEDO VHF RANGE
BRYAN-DEFIANCE MEM'L
BRICKER
SLAGER
BOWLING GREEN
SNYDER
TIFFIN
FORT WAYNE 251 116.1MC
SKINNER
PAULDING
FINDLAY 209
CONTINENTAL
PUTNAM
MEYER'S
BAER 278 KC.
SKY RIDERS
RED 17
BLUFFTON FLY. SVC.
FINDLAY
COOMS
LINIGER
HI-WAY
VAN WERT
CLEVELAND
CINCINNATI
LIMA
ADA
CEDAR LAWN
MARION
PORT KONETA
COLDWATER INT
LAKEVIEW
PORT CORE
VOSS
MARKLE
MILLER
BLUFFTON
BLUFFTON-WELLS CO.
GALVESTON
CONVERSE
WEST SIDE
KOKOMO
MARION
RUZICKA
HARTFORD CITY
STEED
BRINGHAM
LAFAYETTE 227 116.1MC.
BOSWELL
PURDUE UNIV
ARETZ
LAFAYETTE
HALSMER
STAIR
FAIR ACRES
CORK
ATTICA
REIMER
LOCKWOOD
BLACK HAWK
ELWOOD
MUNCIE
SIDNEY
PIQUA
DAYTON 278 KC. 118.9, 126.18 MC.
GRIMES
COXEYS
TREATY CITY
LANSDOWNE
WACO-TROY
SPRINGFIELD
COLUMBUS 391
HILLIARD
CRABILL
SPRINGFIELD
VERONA
GREENFIELD
HIGHLAND
KINGMAN FLY SVC.
ADVANCE
PORT O' THE WOODS
INDIANAPOLIS 266 111.1, 116.1 MC.
TERRE HAUTE 248 116.1MC.
PAUL S. COX
HULMAN
EFFINGHAM
GREENCASTLE 27
CLAYTON 11
MORGANTOWN 22
INDIANAPOLIS 278 KC. 118.7, 126.18 MC.
RICHMOND COM.
EAST RICHMOND
METTEL
RICHMOND MUN
MIDWAY
NEW WESTVILLE
DAYTON 245 116.1MC.
DAHIO
PATTERSON AAF 396 KC. 126.18, 137.88 MC.
WRIGHT AAF 260 KC. 126.1 MC.
CLINTON CO. AAF 272 KC. 126.18 MC.
PATTERSON AAF 379 137.88 MC.
SO. DAYTON
FAIRFIELD
MIDDLETOWN
HIGHTMAN
MIAMI UNIV.
CEDAR GROVE 33
NO. HAMILTON
HAMILTON
TO MT HEALTHY
CINCINNATI 335
CLINTON CO. AAF 201 KC.
FOR VHF RANGE SEE CHART 144
WASHINGTON
TRI-COUNTY
LOUISVILLE 83
CINCINNATI 85
INDIANAPOLIS 51
CLEVELAND 49
CHICAGO 53
LOUISVILLE 83
FOR V.H.F RANGES SEE CHARTS 144 TO 147
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (REQUEST)
E: EXTREMELY HAZARDOUS
I: USABLE WITH CAUTION
STATUTE
NAUTICAL

CHICAGO

FACILITY	FREQ IDENT ARPT LOCATION	BEAR & DIST ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
Alberton (Freeport,Ill)	3.8 SE,RR S	740	32 S6	73,80 oct.Smudge pots
Arcola (Lafayette,Ind)	4 NE	500	35 S6	80 oct.Data unver.emerg
Attica (Ind)	2.5 SSE;hwy W	647	26 S2	80 oct P-line W.
Bellevue (Iowa)	3 N,RR W	652	19 S1	80 oct.
BENDIX Tower (Ind) (Bendix)(South Bend, Ind)	278 (118.3)		C	(4), 118.3,122.5
	3.5 NW,hwy S	778	48h L3 S6	80-100 oct P-line E,S
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct Port rnwy lgts
BRADFORD H Fac.(Ill)	382 (MQ)		MHT	(4)
Bradford Int 29,KC-CG (Ill)	4.5 NNE	795	26 L3 S1	80 oct P-line SW,NE
Chain Lakes (South Bend, Ind)	5.2 W;hwy N,S	765	22 S3	80 oct
Champaign (Ill)	2 NNW,hwy SW	753	28 S6	73,80 oct. W,NW,S blocked
CHANUTE Army Range (Rantoul) (Ill)	365 (DNU)	43°,3.3	SBMRAZ	(3), 126.18
CHANUTE Tower (Ill)	396(126.18)		CA	(3); 126.18
(A) Chanute AAF (Rantoul, Ill) (A)	1 SE,RR W	738	63h L5 S6	73,91,100oct.JP-1 Pole N
Cheever (Demotte,Ind)	3 W		29 S1	80 oct. Data unver.
CHICAGO Range (Ill)	350(CG)(116.1)	152°, 2.2	SBRAZ-DTXV	(3), 116.1
CHICAGO Tower (Ill) [Chicago] (Ill)	278 (126.18, 118.7,118.1)		AC(ILS) (GCA)	(4) 126.18,118.7,118.1, 122.5
City (So.Haven,Mich)	9 SW of Loop	618	65h L6 S6	80,91,100 oct FEE.
Clearview (Earlville)	4 S;RR W	640	35 S2	80 oct. Trees sur fld.
Clinton Fly Club(Ill)	3 E,hwy S		18 S1	80 oct Data unver (Ill)
Clinton (Iowa)	4 8 NE	720	13	
	6.2 WSW;RR S	700	27 L S6	80 oct No sto Port rnwy lgts SE,SW,NW.
Cooper (Tuscola,Ill)	1.6 SW,RR E	650	24 S6	73,80 oct,P-line N,NE,
Cork (Marshfield,Ind)	2 NW	640	24 S2	80 oct P-line N
Cram (Davenport,Ia)	2.5 NW;RR SW	646	21 S6	80,91 oct
Crown Point (Ind)	2 N	650	27 S6	80 oct No sto Poles E.
Culver (Ind)	2 E,lake W	815	26	NE
Danville (Ill)	2.4 SSW;hwy W	640	33 S6	80,91 oct N blkd P-line N,NE Hedge SW
Decatur (Ill)	4 NW	678	29 S6	80,91 oct P-line S,SW, W, NW
(P) Decatur Park (Ill)	4 E,RR,hwy S	679	53h L5 S6	80,91 oct No flood lgts
Dixon (Ill)	1.9 ESE,RR S	786	36 L1 S6	80 91 oct Appchs blkd except E, NW
Fitzgerald (Mendota)	1.5 NW,lake E	800	22 S6	80 oct. Trees E (Ill)
Galesburg (Ill)	1.7 NW,hwy E	788	27h L3 S6	80 oct Fld lgts prior req E blkd
Gamble (Hobart,Ind)	1.8 NNW;hwy S	650	25 S6	80,91 oct P-line E,NE
Gary (Ind)	6 S,hwy W	610	23 S6	80,91 oct P-line E,SE, S, W, SW
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3), 140 58,142 74
GLENVIEW Nas Tower (Ill)	236 (142 74, 140.58)		CN	(3); 140.58, 3117 5 on req.
(N) Glenview NAS (Ill)(N)	1.6 NW,RR W, E	654	63h L3 S6	91,100 oct No sto.
Gordon (New Carlisle)	2.8 ESE,RR N	730	13 S1	Fuel avail Poles E (Ind)
Halsmer (Lafayette,Ind)	3 ESE,RR S	595	40 L S6	80,91 oct Port lgts on
Hamilton (Polo, Ill)	2.3 NE	795	25 S3	80 oct P-line N req E blocked
HARVEY Range (Rubinkam)(Ill)	385 (GH)	90°, 2.2	MLWZ	
Highland (Perrysville)	2.8 WNW	585	23 S2	Ltd 73 oct (Ind)
Hi-Way (Fiatt, Ill)	1 NE	630	25 S4	Data unver
(P) Hulman (Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80 91 oct No sto Fld lgts prior req
Illini (Urbana, Ill)	2 NNE;hwy E	740	26 S6	80 oct Flares on req E,SE blkd Trees E,SE, NE
INDIANAPOLIS Tower (Ind)	278 (126.18 118.7,		AC (ILS)	(4), 122.5,126.18 118.7 (Exper GCA)
(P) Indianapolis (Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct Exper lgtg
Interstate (DeKalb,Ill)	1.8 E,RR W	900	34h	CLOSED.
Jasper Co.(Rensselaer, Ind)	1,5 WNW hwy S	676	32 L3 S4	80 oct.
JOLIET Range (Int.)(Ill)	257(JO)(116.7	126°, 3.7	SBRAZ-DTV	(4),116.1,122.1
Joliet, 22, LS-CG (Ill)	5 W,riv W	580	30h L4 S4	80,91 oct Flood lgts prior req after 2400.
Kankakee (Ill) Ind)	3.2 WSW hwy E	625	26 S4	73,80 oct Use strips only Ditch N.
Kentland (Goodland,	4 WNW	650	25 S4	80 oct, P-line NE.
Kingman Fly Svc (Ind)	0.5 E,hwy N	710	26 S4	80 oct No sto Data unver
Kishwaukee (Sycamore Ill)	2.5 SW riv N, S, E	830	20 S6	80 oct P-lines
LAFAYETTE Range (Purdue Univ) (Ind)	227 (LF), (116.1,	50°, 2.4	BMLZ-DTV	(4); 116.1
La Porte (Ind)	2.5 SSW;RR W	801	29 L3 S6	80 oct S&SW blkd.
Lockwood (Frankfort Ind)	2.5 S;RR W	873	20 S6	80 oct E,SE blkd.
Logan (Logansport,Ind)	7 S	594	15 S1	80 oct P-line S.
Logansport (Ind)	3.5 SW,hwy E	620	25 L S4	80 oct No sto Appchs blocked, except SW Port lgts prior req.
McCOOL H Fac.(Int)(Ind)	359 (ML)		MHW	Oper cont.
McCool Int 3,CG-LG	2 SW,hwy S	654	24 L3	(Ind) P-line W.
Machesney 7.CG Twin Cities (Rockford,Ill)	6 NNE riv NW	732	29 L3 S6	80,91 oct E blkd P-lines SE,S
Macomb (Ill)	2.4 E,hwy E	695	23 S6	73,80 oct N NE blkd P-line E,SE
Matanzas (Havana,Ill)	4 S,riv W	480	24 S5	80 oct Data unver
Medaryville (Ind)	1 1 NW	645	24 S1	80 oct Data unver.
Medbery (Armington)	1 NE	650	26	Data unver (Ill)
Michigan City (Ind)	4 E,RR N	650	23 S3	80,91 oct P-line S,W
Midway (Goshen,Ind)	5 NW		36	Data unver.
MOLINE Range (Ill)	224(MO) (116.1)	142° 12.0	SBRAZ-DTV	(4), 116.1,122.1(ILS)
MOLINE ARPT Range (Ill)	278	86° 2.3	ML	3105 (on req)
(P) Moline (Ill)	4 S,hwy E,N	590	40h L6 S6	73 80,91 oct Poles NW
Monticello (Chalmers Ind)	3 ENE RR W	650	19 S2	80 oct. Hwy W.
Morton (Ill)	3 W,hwy N	792	24 S2	80 oct P-line N,W.
Mt Hawley (Peoria,Ill)	6.4 N,RR SW	700	28 S6	80,91 oct P-lines SE S.
Ockley (Ind)	1 W			ABANDONED SW
Ottawa (Ill)	Adj NW		22 S2	80,91 oct Data unver
Paul S Cox (Terre Haute, Ind)	3.2 S,hwy W	485	27 S4	80,91 oct P-line NE SW.
Pecatonica (Ill)	1 N,hwy E	750	24 S6	73 oct. P-line E.
Pekin (Ill)	4 S;bet RRs	505	29 S6	80 oct P-line W,N,E
PEORIA Range (Ill)	356 (PI)	178° 2.2	SBMRAZ-DT	(4)
(P) Peoria (Ill)	4.8 WSW rd E.	659	44h L5 S6	80,91 oct Fld lgts on req
Phil-Larry (Roanoke Ill)	See Fash under "New Facilities" - name changed.			
(P) Plymouth (Ind)	1.5 NW,RR E	898	32 S4	80,91 oct.Poles W,E.
Port O'the Woods (Annapolis,Ind.)	2.2 NNW	560	33 S4	80 oct.Trees E,NE,W,S
Powell Brothers (Sheldon, Ill)	2.2 S;hwy NE			ABANDONED
Princeton (Ill)	3 N,creek N		18 S2	80 oct. Data unver.
Reimer (Lafayette Ind)	2 S		25 S2	80 oct. Data unver.
Rensselaer (Ind)	10 NE		18	Data unver
ROCKFORD Range (Machesney)(Ill)	338 (RD) (116.1)	45°, 1.7	SBRAZ-DTV	(4), 116.1
Rubinkam (Harvey,Ill)	2.5 SW,hwy N	615	47 L1 S5	73,80,91 oct Use W
Russell's (Hoopeston, Ill)	6.5 WNW; RR S		13	PRIVATE Data part unver.
St. David (Ill)	1.5 SW,RR N			ABANDONED.
Sandwich (Ill)	1 W;RR N		18 S4	80 oct Data unver.
SOUTH BEND Range (Bendix)(Ind)	215 (SN) (116.1)	75°, 3.3	SBMRAZ-DTV	(3), 116.1
SPRINGFIELD Range (Ill)	239 (ZD)	113°, 2.3	SBMRAZ-DT	(4)
Springfield (Ill,	3.5 SW; bet RRs	606	31 S6	80,91 oct Use strips
Stair (Mulberry, Ind)	0.3 NE;hwy S	650	16 S4	80 oct No sto P-line S Data unver
Starke Co.(Knox,Ind)	1.7 S		26 S3	80 oct P-lines sur fld No sto
Sterling (Ill)	1.4 NW, hwy E	645	26 S6	80,91 oct P-line SE
Stockton (Ill)	2.3 SSE	940	18 S1	80 oct Data unver
Streator Air Svc (Ill)	2 ENE;hwy S	650	26 S4	80 oct P-line E
Triangle (Dwyer,Ind)	1.5 NE;RR E	630	33 S4	80,91 oct P-line S,SE Bldg W
Triangle Air Service (Wellsboro, Ind)	2 NNE hwy S	800	23 S2	80 oct.
Twin Cities-Ross (Benton Harbor,Mich)	1.5 NNE; RR S	649	38h S6	80 oct. Poles E.
(P) University of Illinois (Champaign, Ill)	5.5 SSW RR E	752	53h S6	80,91 oct Flares on req.
Urschell (Valparaiso Ind)	1.7 NNE; hwy E	766	26 S2	80 oct P-line N
Van Orin Int 34 OH-CG (Ill)	1 ENE;RR S	828	33 L3	Poles W
Vermillion (Danville Ill)	4 E;RR N, SW	650	21 S4	80 oct 30' poles S
Vogel (La Salle, Ill)	6.5 NNW, RR E	664	26 S2	80,90 oct Soft when wet Poles N, W.

INSTRUMENT LANDING SYSTEMS (Localizer Glide Path in mcs Compass Locator in kcs)

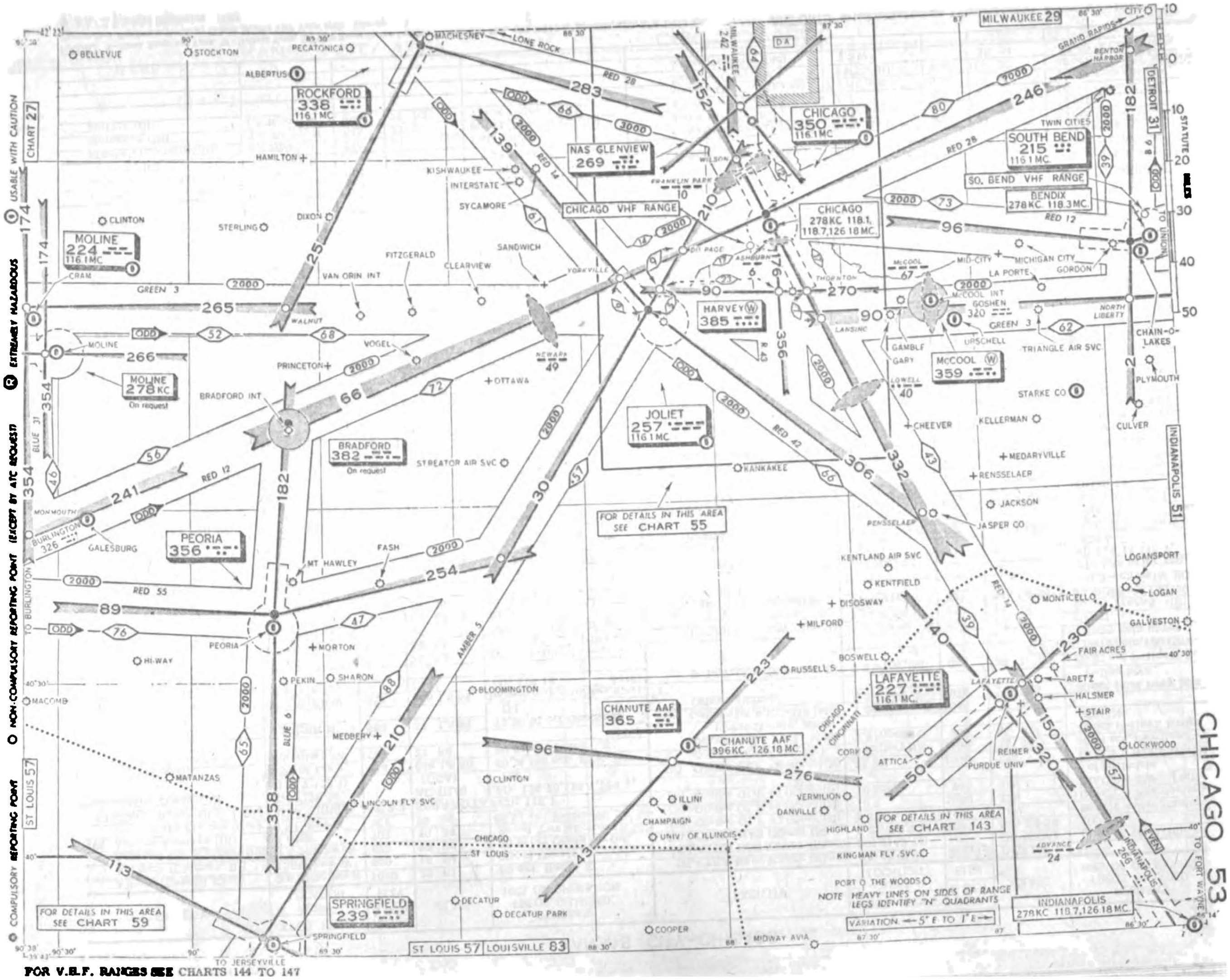
LOCATION	LC LZR.	G.P.	APPR BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CHICAGO	109.9	333.8	132°	MM (0.79)	OM (5.8)
				MMK 201	OMK 219
MOLINE	110.3	335	131°	MM (0.71)	OM (4.4)
				MMK	OMK
				MM	OM
				MMK	OMK
				MM	OM
				MMK	OMK

NEW FACILITIES

Milford (Ill)	0.5 N, RR E	670	29 S5	80,91 oct Tank ESE.
Kentfield (Kentland,Ind)	2.4 SSE,RR W	720	22 S4	80 oct Poles N,NE,SW,W
Starke Co (Knox,Ind.)	0.9 S;hwy E	714	29 S6	80 oct P-lines NE,SE,SW,NW
Mid-City(Mich.City,Ind)	3 S	650	26 S4	80 oct Wires N,S Data unver
Stewart Fld (Danville,Ind)	1.5 E	750	25 S1	80 oct Wires N,S Data unver
Elnora (Ind.)	.25 SE		18 S1	80 oct P-lines N Data unver
Boswell (Ind.)	1.3 ENE,hwy W	740	19 S1	80 oct.P-line SW,W,NW.
Fair Acres(Buck Creek,Ind)	0.3 ESE,RR N	595	24 S2	80 oct P-line NE,SE,NW.
Skyway(Tolleston,Ind.)	4.5 N	630	18 S1	80 oct Trees NE Wires SE,NW
Kellerman Fld(N.Judson,Ind)	1.5 S;hwy E	650	17 S1	80 oct Wires SE Trees N
Sharon(Treemont, Ill)	1 SE,RR,hwy N	631	21 S6	80 oct P-line NE
Lincoln Fly Svc.(Ill)	1.8 W,hwy N,E	591	20 S6	80 oct P-line N
Jackson(Francesville,Ind.)	4.8 WSW	675	19 S2	80 oct.
Sycamore (Ill.)	1.4 ESE,riv W	800	25 S6	80 oct.Poles N,SE,NW
Midway (Horace,Ill)	1 E,hwy E	650	26 S6	80 oct.P-line N,E.
Galveston (Ind)	3.2 WNW	795	37	
Fash (Roanoke,Ill)	4 W	747	26 S6	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page xiii) → New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FOR V.E.F. RANGES SEE CHARTS 144 TO 147

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Allman (Lenexa, Kans)	2.5 NNW; hwy N	1030	22 S1	80 oct. Hedge E.
Ashburn (Chicago, Ill)	12 SW; hwy W	620	16 S4	80 oct. Unsafe after rain
Ashland Ave. (Chicago Hgts)	1.5 NW; hwy S	675	29 S6	80,91 oct. Obsts sur fld.
(P) Aurora Airways (Ill)	3 NNW	701	30 S4	80 oct. Twr NE; poles E, W
Cedar Lake Fly. Svc (Cook, Ind)	0.5 E; hwy W	751	28 S4	80,91 oct. P-line NE, SE, SW.
CHICAGO Range (Ill)	350 (CG) (116.1)	152°, 2.2	SBRAZ-DTXV	(3); 116.1
→ CHICAGO Tower (Ill)	278 (126.18, 118.7, 118.1)		AC (ILS) (GCA)	(4); 126.18, 118.7, 118.1, 122.5
(NG) [Chicago] (Ill)	9 SW of Loop	618	65h L6 S6	80,91,100 oct. FEE.
Chicago-Elmhurst (Elmhurst, Ill)	2.5 N; hwy SW	707	27 S6	80,91 oct. Poles S, E.
Chicago-Hammond (Lansing, Ill)	1.5 S; RR N	660	37 L3 S6	73,80,91 oct. Obsts sur fld.
(A) Chicago-Orchard (Ill)	16 NW; RR W	657	58h L6 S6	2nd ech maint. 100 oct. JP-1.
CHICAGO-ORCHARD Tower (Chicago, Ill)	396 (126.18)		C	(4); 126 18 Army
Conard (Ottawa, Kans)	3.8 NNE	946	24 S6	80 oct. P-line N; hedge S
Elgin (Ill)	2.2 N; hwy W	770	24h S1	80,91 oct. Hwy 1.5 W
FAIRFAX Tower (Kans)	278 (126.18, 118.9)		AC	(4); 126.18, 122.5, 118.9
(A) Fairfax (Kans. City, Kans)	3 NE; RR E	746	65h L5 S4	81,100 oct (A)
Fisher's (Edwardsville, Kans)	1 ESE; RR N	770	26 S6	80,91 oct. P-line N.
Gardner (Kans)	1.4 WSW	1070	39	
Gault (Wellsville, Kans)	0.8 ESE; RR N	1020	20	Trees E.
GLENVIEW Navy Range (Ill)	269 (NBU)	140°, 3.0	BMLZ-DT	(3); 140.58, 142.74
GLENVIEW NAS Tower (Glenview, Ill)	236 (142.74, 140.58)		CN	(3); 140.58; 3117.5 on req.
(N) Glenview NAS (Ill) (N)	1.6 NW; RR W	654	63h L3 S6	91,100 oct. No sto. RR E
Grayslake (Ill)	1.1 ENE; rd W	791	26	Trees W, S, E
Hall's (Olathe, Kans)	2.6 SSE; RR W	1000	16 S2	73 oct. Cat'l on fld. P-
Harlem (Oaklawn, Ill)	2.2 WNW; hwy W	619	26 S6	80 oct. P-line E, line N
HARVEY, Range (Rubinkam)	385 (GH)	90°, 2.2	MLWZ	(Ill)
Harrisonville (Mo)	2.1 W; RR N, S	910	18 S1	73 oct. Use strips only.
Hawk's (Atchison, Kans)	1.3 WNW	1000	15 S2	80 oct. Poles N, SE.
Heart of America (Kans. City, Kans)	4 E; RR E	759	23 S6	80 oct. Poles, trees S Use strips only.
Hinsdale (Ill)	3 S; hwy SE	710	26 S6	73,80 oct. Rolling grnd
Howell (Blue Island, Ill)	3 W; hwy E	600	26 S6	80, 91 oct strips only.
Independence (Mo)	5.8 ESE; RR S	825	24 S6	80,91 oct. Poles S. Use
JOLIET Range (Ill)	257 (JO) (116.1)	126°, 3.7	SBRAZ-DTV	(4); 116.1, 122.1
Joliet, 22, LS-CG (Ill)	5 W; riv W	580	30h L4 S4	80,91 oct. Flood lgts prior req. after 2400
Kane Co. (Elgin, Ill)	7 WNW; hwy E	910	21 S4	80 oct. Trees E, SE, NW
KANSAS CITY Range (Mo)	359 (KC) (vhf)	148°, 2.9	SBRAZ-DTXV	(3); 116.1, 122.1
KANSAS CITY Tower (Mo)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18, 118.3, 122.5
[Kansas City] (Mo)	2.5 NW; riv W, S	744	52h L6 S6	80,91,100 oct. Poles E Dike W. No flood lgts.
(P) Kansas City-Grandview (Kansas City, Mo)	16.4 S; RR E	1072	55h L5 S6	80,91 oct. No flood lgts. P-line NE, SW.
Lawrence (Kans)	2.5 NNE; hwy S	832	32 L3 S6	80,91 oct. No bcn lgts prior req. P-lines W, E, SE, NE.
Leavenworth Lecompton	3.6 WSW	1125	26 S1	80 oct. Trees N. P-line NE,
Lewis-Lockport (Lockport, Ill)	2.2 WNW; hwy E	664	26 S6	80,91 oct. (Kans) SW. Twr SE Obsts sur fld
Mitchell (Lombard, Ill)	2.8 NNW	710	24	Data unver
Momence (Ill)	3.5 SW; riv N	645	23 S2	80 oct. Trees NW, N, NE
Morris (Ill)	4.5 N; hwy W	590	21 S2	73 oct. Poles N, NNE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
OLATHE Navy Range (Kans)	233 (NUU)	352°, 2.9	BMRLZ	
OLATHE NAS Tower (Kans)	201 (142.74)		CN (GCA)	(3); 142.74 (8-18)
(N) Olathe NAS (Kans) (N)	5.2 SW; RR W	1085	53h L5 S6	100 oct.
(N) Olathe OLF #2 (Kans) (N)	5 SE	1090	16h	INACT. 4 W of Stanley.
(N) Olathe OLF #4 (Kans) (N)	10 S	1090	22h	INACT. 1 3SE Spring-
(N) Olathe OLF #7 (Kans) (N)	16 SSW	940	23h	INACT. 4 3W [hill. of Hillsdale.
(N) Olathe OLF #9 (Kans) (N)	11 SE	1070	23h	INACT. 1 N of Stillwell
Ong (Kansas City, Mo)	9 SE; hwy NE	1050	31 S6	80,91 oct. Pwr line SW.
Osawatomie-Paola Mun. (Owawatomie, Kans)	3.8 N; pond S	960	25 S1	80 oct. P-line S Hedge SW, N
★ Osborn Int, 4, KC-MP (Mo)	1.5 NW; hwy S	1046	32 L3	
Ottawa (Kans)	5.3 S; hwy W	975	29 L S6	80 oct. Port rnwy lgts. P-line NNE.
Pal-Waukee (Glenview, Ill)	5.5 WNW; RR S	642	30 L S6	80,91 oct. P-line N. Bcn flare pots, rdo rprs. Rnwy data unver
Prosperi (Tinley Park, Ill)	1.7 SSW; hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW; RR N	650	18 S6	80 oct. Trees S. (Ill)
(NG) [Rosecrans] (St. Joseph, Mo)	4 NW; riv SW	821	60h L5 S6	80,91,100 oct. Ltd 100 oct, 2-ech maint. NG. Fld lgts prior req.
ROSECRANS Tower (St. Joseph, Mo.)	278 (126.18, 118.7)		C	(4); 126 18, 118 7, 122.5
(P) Rubinkam (Harvey, Ill)	2.5 SW; hwy N	615	47 L1 S5	73,80,91 oct Use W part
St. Charles (Ill)	3.5 E; RR E, S	760	18h	P-line N only
ST. JOSEPH Range (Rosecrans)	341 (ZJ) (vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116 1, 122.1
SHERMAN Tower (Kans)	396 (126.18)+		CA	(3); 126 18. [Closed 2000-0800
(A) Sherman (Ft. Leavenworth)	1 NNE; RR W	771	60 L5 S4	73, 91, 100 oct (Kans) (A)
Sky Harbor (Northbrook, Ill)	1.6 NW; RR E	680	26 L S6	80,91 oct Flare pots P-line S
Sky Haven (Bensenville, Ill)	1.5 SE; RR W, N	650	23 S4	80,91 oct Use strips
State Line Arpk (Stanley)	3.8 NE; hwy E	990	22 S1	80 oct Obst sur fld. (Kans
Stinson (La Grange, Ill)	2 SE; hwy SE	644	25 S6	80,91 oct P-line S, W
Washington Park (Homewood, Ill)	1.5 SE; hwy E	625	30 S6	80,91 oct Allway area
Will Co. (Steger, Ill)	0.5 S; RR W	740	15 S6	P-line S No sto. or fuel
Wooddale (Ill)	1.5 N	711	30 S5	80 oct Woods SSW; p-
York Township (Lombard, Ill)	2 SSW; hwy N	726	20 S6	80 oct Use [line W strips P-line N, E

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

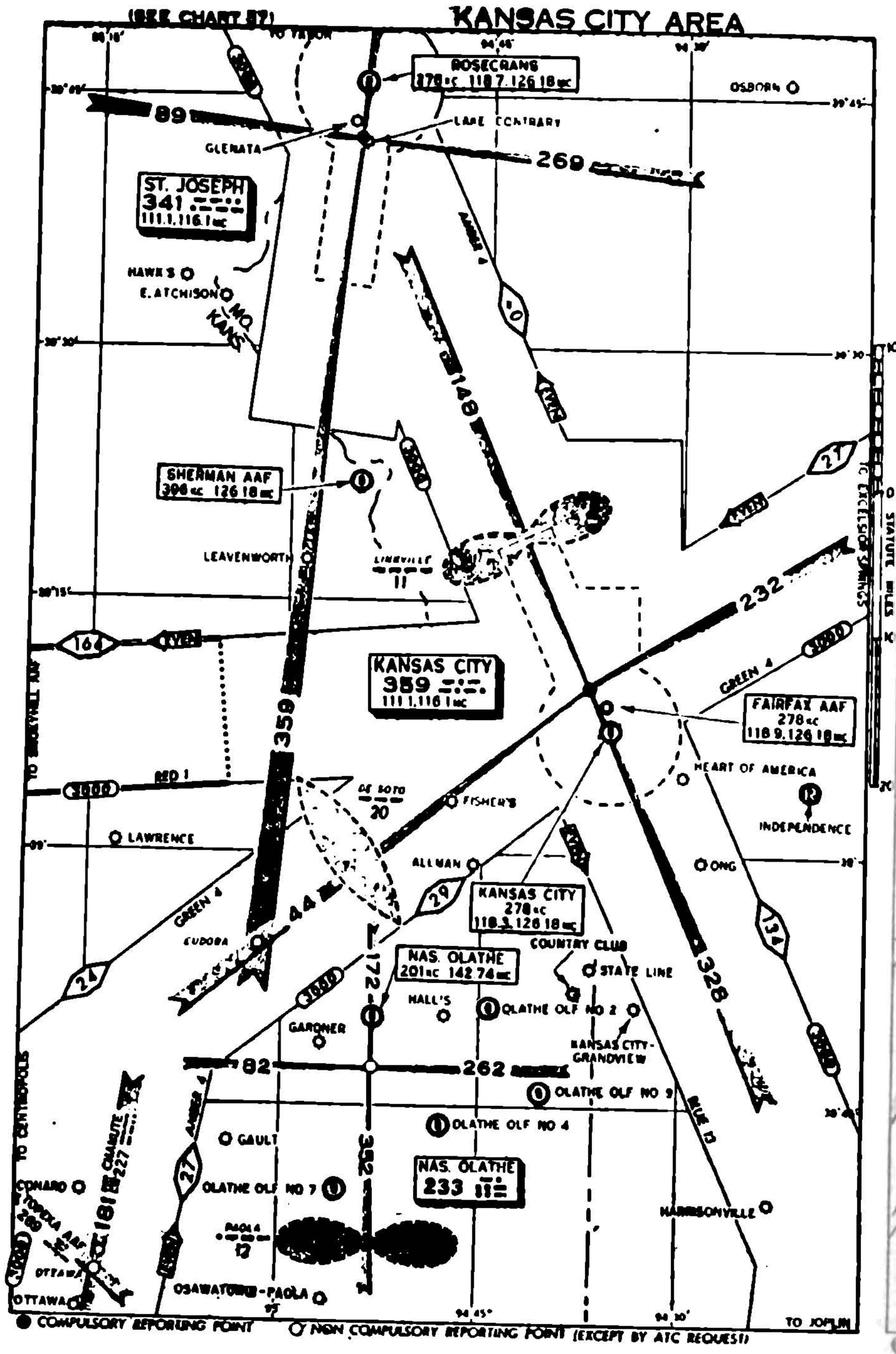
LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHICAGO	109.9	333.8	132°	IM-	MM- ·—·—(0.79)	OM- ——(5.8)
					MMK 201 ···	OMK-219 ·—··
→ KANSAS CITY	109.9	333.8	173°	IM- ·····(0.01)	MM- ·—·—(2.6)	OM- ——(4.65)
					MMK-221 ·—··	OMK-248 ·—·(11.0)

NEW FACILITIES

Triangle (Dyer, Ind.)	1.5 NE; RR E	630	33 S4	80,91 oct.
East Atchison (Rushville)	4.5 SW; riv W	790	24 S2	80 oct N, NNW blkd Use strips only (Mo)
Glenota (St. Joseph, Mo)	6 WSW; riv N	800	26 S2	80 oct N, E, W blkd Use strips only.
Lake Contrary (St. Joseph)	6 SW; riv 2 N	800	21 S6	80 oct Use strips only
Lake Village (Ind.)	1 NW; hwy S	650	22 S4	80 oct.
Crown Point (Ind.)	2 N	650	27 S6	80 oct, Poles E, NE.
Stanley Co. Club (Kans)	2.5 NE; RR SE	975	28 S1	80 oct, Poles SE, SW.
Skyway (Gary, Ind.)	4 WSW; RR W	630	19 S2	80 oct, Wires SE, SW, NW
Lakeside (Gary, Ind)	7.5 W		35 S4	73,80 oct, Data unver.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3165, 4495, 6330 kcs. (6) - 3165, 4495, 6330, 8117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.55 mcs. ● A.A.C.S. Scheduled Broadcast on 4725 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page xiii) —o— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


KANSAS CITY AREA
(SEE CHART 57)
ROSECRANS
378 KC 118.7 126.18 MC
ST. JOSEPH
341
111.1 116.1 MC
SHERMAN AAF
396 KC 126.18 MC
KANSAS CITY
359
111.1 116.1 MC
FAIRFAX AAF
278 KC
118.9 126.18 MC
KANSAS CITY
278 KC
118.9 126.18 MC
NAS. OLATHE
201 KC 142.74 MC
NAS. OLATHE
233
OLATHE OLF NO 2
OLATHE OLF NO 9
OLATHE OLF NO 4
OLATHE OLF NO 7
HEART OF AMERICA
COUNTRY CLUB
KANSAS CITY-GRANDVIEW
STATE LINE
OSBORN
LAKE CONTRARY
GLENAIRE
HAWKS
E. ATCHISON
LEAVENWORTH
LINDVILLE
LAWRENCE
EUDORA
FISHER'S
ALLMAN
ONG
HALL'S
GARDNER
GAULT
ONARO
OTTAWA
OSAWATOMIE-PAOLA
HARRISONVILLE
INDEPENDENCE
DE SOTO
TO CENTROPOLIS
TO JOPLIN
89
269
148
359
232
44
172
262
352
328
MO
KANS
AMBER 4
GREEN 4
BLUE 12
RED 1
RED 28
RED 12
RED 14
RED 42
AMBER 5
COMPULSORY REPORTING POINT
NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

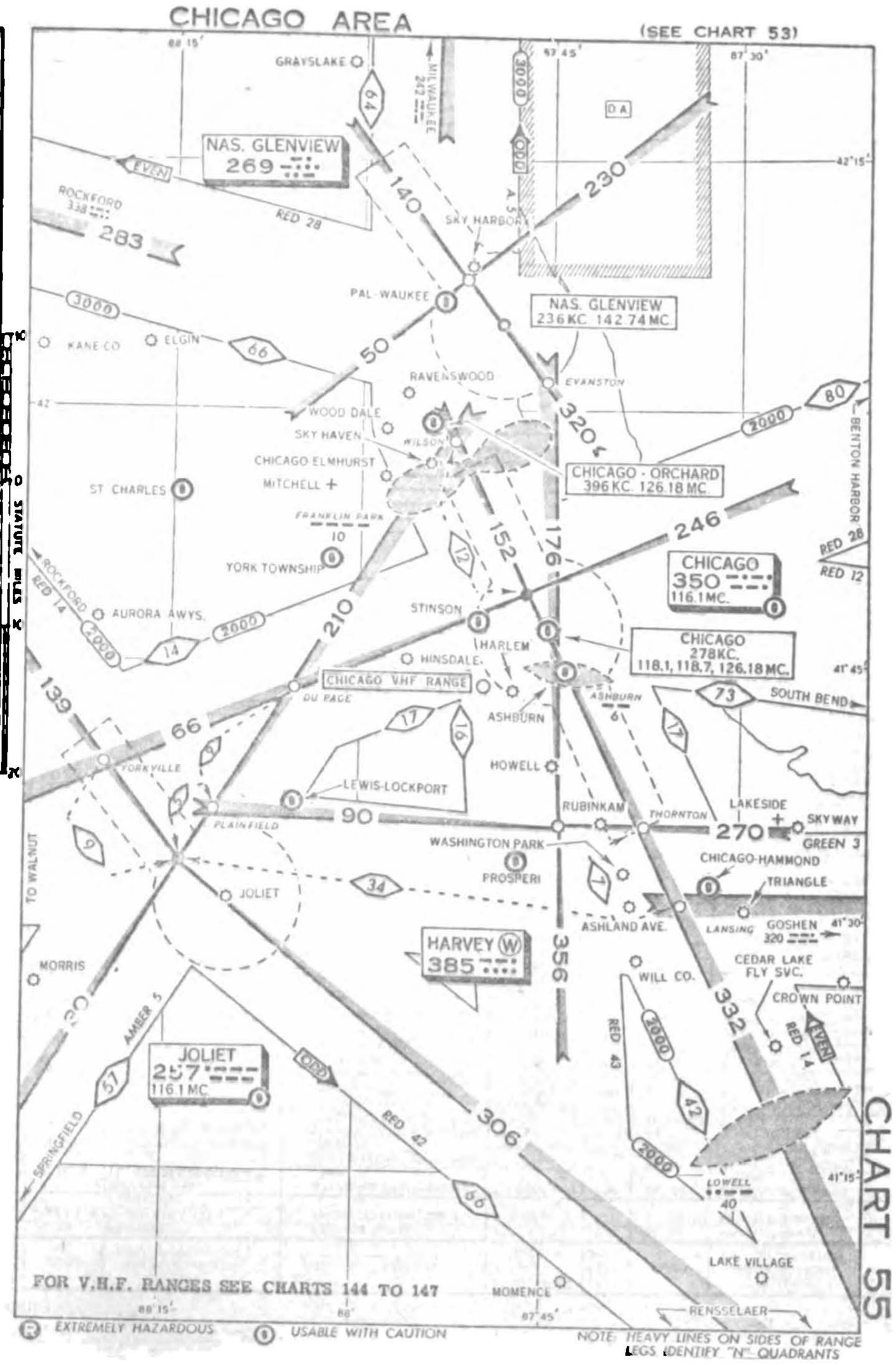

CHICAGO AREA
(SEE CHART 53)
NAS. GLENVIEW
269
NAS. GLENVIEW
236 KC 142.74 MC
CHICAGO - ORCHARD
396 KC 126.18 MC
CHICAGO
350
116.1 MC
CHICAGO
278 KC
118.1, 118.7, 126.18 MC
HARVEY (W)
385
JOLIET
257
116.1 MC
CHICAGO VHF RANGE
GRAYSLAKE
ROCKFORD
PAL-WAUKEE
SKY HARBOR
KANE CO
ELGIN
RAVENSWOOD
EVANSTON
WOOD DALE
SKY HAVEN
CHICAGO ELMHURST
MITCHELL
ST CHARLES
FRANKLIN PARK
YORK TOWNSHIP
AURORA AWYS.
STINSON
HARLEM
HINSDALE
DU PAGE
ASHBURN
HOWELL
LEWIS-LOCKPORT
YORKVILLE
PLAINFIELD
WASHINGTON PARK
PROSPERI
JOLIET
MORRIS
RUBINKAM
THORNTON
LAKESIDE
SKYWAY
CHICAGO-HAMMOND
TRIANGLE
ASHLAND AVE.
LANSING
GOSHEN
CEDAR LAKE
FLY SVC.
CROWN POINT
WILL CO.
LOWELL
LAKE VILLAGE
MOMENCE
RENSSELAER
SOUTH BEND
BENTON HARBOR
TO WALNUT
SPRINGFIELD
140
230
50
320
152
176
246
210
139
66
90
270
356
332
306
283
RED 28
RED 12
RED 14
RED 42
AMBER 5
GREEN 3
FOR V.H.F. RANGES SEE CHARTS 144 TO 147
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

CHART 55

FACILITY	FREQ. IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ace High (Galt, Mo)	3 SW;hwy N	937	29 S6	80 oct.Poles SW,N
Adair (Iowa)	1.5 SSE;RR NW	1350	18 S1	Lid 73 oct Trees S.
Adamson Arwys (Perry,Ia)	4.8 WSW;RR N	1000	17 S6	80 oct P-line N
ATLANTIC H Fac.(Iowa)	257(IZ)(116.1)		MHTV	(4); 116.1, 122.1
Atlantic,4B,CG-OH (Iowa)	1.9 W;RR E	1153	33 L3	Bcn 1/4 mi W.
Atlantic (Iowa)	4.6 NW;RR S	1353	21 S6	80,91 oct
Audubon Arwys (Iowa)	1 SSE;RR W	1300	15 S1	80 oct.
Bailey's(Brookfield,Mo)	2 WSW;hwy N	800	26 S1	80 oct.Pwrline SE.Poles E, SE. NW blkd
Bailey's Arpk(Chillicothe)	2 SSE;RR W	675	32 S6	80 oct.S,SW blkd. (Mo)
Beaver (Des Moines,Iowa)	3.4 NW	900	25 S6	80 oct.
Boonville (Mo)	1.5 NNW;riv S	602	26 S2	80 oct.P-lines NE,E,SW,W
Bowling Green (Mo)	1.6 NW;RR E	882	25 S2	80 oct.Poles S;pwrline SE
BRADFORD H Fac.(Int.)(Ill)	382 (MQ)		MHT	(4)
• Bradford Int,29,KC-CG(Ill)	4.5 NNE	795	26 L3 S1	80 oct.P-line SW,NE.
(P) Bradley (Moberly, Mo)	3 NNE;hwy W	865	37h S6	80,91 oct. Obsts.
Bradshaw (Nebr)	1.3 NNE	1700	26 S6	80 oct. P-line N,S,NW Use strips.
Briggs (Fiscus, Iowa)	4.2 NE;RR E	1370	21 S2	80 oct. Trees N.
BURLINGTON Range(Iowa)	326(BN)(vhf)	357°,1.9	SBRAZ-DTV (4); 116.1,122.1	
(P)[Burlington] (Iowa)	1.7 SSW	698	54h L5 S6	80,91,100 oct.Hwy E.
Butler (Mo)	2 N;RR,hwy W	870	21 S2	80 oct.Hedge NNE.
Cameron (Mo)	2 E;RR NW	1050	21 S4	80 oct.Poles N,W,NNW
Carrollton (Mo)	4 W;hwy W	700	20 S2	80 oct P-lines NNE;trees
Carthage (Ill)	1.5 SSW;RR E	665	24 S6	80 oct P-line E SSW.
CEDAR RAPIDS H Fac.(Iowa)	344 (CID)		MHW	(Oper by city)
(P) Cedar Rapids (Iowa)	6.7 SSW	864	55h L5 S1	80,91 oct RR E.
Centerville (Iowa)	3.5 SSW;RR N	1017	25 S2	80 oct Use strips only.
Chariton C.A.P. (Iowa)	2.3 NNE;RR SE	1050	16 S1	80 oct.
CHILLICOTHE H Fac.(Mo)	242(CK)(116.1)		MHTV	(4); 116.1, 122.1
Chillicothe,7,KC-CG (Mo)	3 ESE;RR N,SW	780	25h L3	P-line S;trees SW 4000' strip avail
Clarinda (Iowa)	0.8 SE;RR W	1060	26 S4	80 oct.
Clinton (Iowa)	6.2 WSW;RR S	700	27 L S6	80 oct.Port rnwy lgts
(P) Clinton (Mo)	2 NE;RR SE	800	36 S6	80,91 oct P-line N,S,SW
COLUMBIA Range (Mo)	379(CA)(vhf)	89°,3.9	SBRAZ-DTV (4); 116.1,122.1	
Columbia (Mo)	2.4 NW;hwy S	777	33h L3 S6	80,91 oct No flood lgts
Columbus Junction (Iowa)	3 N;RR E	580	28 S2	80 oct. P-line N, E
Cram (Davenport, Iowa)	2.5 NW;RR SW	646	21 S6	80,91,100 oct.
Daviess Co. (Mo)	1.1 W;RR N	930	19 S2	80 oct. Pole N.
Decatur (Ill)	4 NW	678	29 S6	80,91 oct.P-line S,SW,W,NW
Depperman(Owensville,Mo)	0.7 NNW	900	28 S2	80 oct. Trees W,NW.
DES MOINES Range (Iowa)	212(DM)(vhf)	344°,2.1	SBRAZ-DTV (3); 116.1, 122.1	
DES MOINES Tower (Iowa) (NG)[Des Moines] (Iowa)	278 (126.18, 118.3) 4.5 SSW;RR W	957	C 57h L5 S6	(4); 126.18,122.5,118.3 80,91 oct.
Dewitt (Iowa)	1.5 ESE;RR S	710	23 S2	80 oct. S blkd.
Dixon (Ill)	1.9 ESE;RR S	786	30 L1 S6	80,91 oct.Appchs blkd except E & N half W bndry.
Dodge (Iowa)	3.5 E;RR E	835	27 S6	80 oct. Hwy E.
Dressler (Anita, Iowa)	7 SSE;rd W	1250	17 S2	80 oct. Trees S.
Eads (Iberia, Mo)	1.1 W;hwy NE	960	32 S2	80,91 oct.
Edwards (Grant City,Mo)	1.2 ENE;hwy S	920	23 S2	80 oct P-lines S
Eldon Model Arpk(Eldon,Mo)	0.9 NE;RR SE	910	23 S2	80,91 oct.
Embry (Trenton, Mo)	5 SSE;hwy E	800	28 S2	80 oct. P-lines E;trees W
Excelsior Springs (Mo)	1.6 W;hwy S	900	10 S2	80 oct. Bldg SSW
Fash (Roanoke, Ill)	4 W	747	26 S6	80 oct.
Fayette Flying Fld.(Mo)	1.8 S;RR W	730	29 S2	80 oct Trees W,S.
Fitzgerald (Mendota,Ill)	1.5 NW;lk E	800	22 S6	80 oct. Trees E.
Fordyce (Bethany, Mo)	4.8 ESE,rd W	1050	22 S2	80 oct.
Fort Madison (Iowa)	1.5 N;RR W		27 S4	80 oct Ltd sto Data unver
Fulton (Mo)	3 WSW;hwy SE	875	15h S6	80 oct. P-line N,NE,S
Galesburg (Ill)	1.7 NW;hwy E	788	27h L3 S6	80 oct Fld lgts prior req E
Grand (Grand Mound,Iowa)	1.2 SW;RR N	770	20 S2	80 oct blkd.
Green (Mexico, Mo)	4.3 ESE;RR S	815	34 L S6	80,91 oct.Port rnwy lgts P-line NW.
Guthrie Center (Iowa)	0.5 NW;riv E	1074	21 S1	80 oct.
Hall (Stratton, Nebr)	1 SE;RR,riv N	2850	27	Poles W, NW.
Hannibal (Mo)	4.3 WNW;hwy N	735	26 L S6	80 oct P-line W,SW.Port rnwy lgts. Rough.
Hillsboro (Ill)	1 NE;lk 0.5 E	625	27 S6	80 oct.P-line SE,SW,NW
Hi Way (Piatt, Ill)	1.3 WNW;hwy S	665	20 S4	80 oct.P-line S,E
Holdrege Mun.(new)(Nebr)	2 ENE;RR,hwy S	2310	36 L1	Facs not installed but usable
(P) Hunter (Cedar Rapids,Iowa)	3 S;hwy E	732	27 L3 S6	80,91 oct.Fld lgts on req. Poles S,E.
Huston (Windsor, Mo)	4.3 E;hwy N	932	27 S2	80 oct. S blkd.
IOWA CITY H Fac. (Iowa)	248(IX)(116.1)		BHTV	(4); 116.1, 122.1
(P) Iowa City (Iowa)	1.7 SW;riv E	650	43h L1 S6	80,91 oct. No sto.
Jefferson City (Mo)	2 N;hwy S	550	32 S6	80,91 oct.
KANSAS CITY Range(Mo)	359(KC)(vhf)	148°,2.9	SBRAZ-DTXV (3); 116.1, 122.1	
KANSAS CITY Tower (Mo) [Kansas City] (Mo)	278 (126.18, 118.3) 2.5 NW;riv W,S	744	AC (ILS) 52h L6 S6	(4); 126.18,118.3,122.5 80,91,100 oct.Poles E;dike W.Floodlgts inop.
Keokuk (Iowa)	4.6 NNW;riv E	670	28 S6	80,91 oct.
KIRKSVILLE Range (Mo)	391(KR)(116.1)	320°,0.8	BMRLZ-DTV (4); 116.1,122.1	
Kirksville Arpk (Mo)	Adj SE	927	26	Clsd winter
Lakeside (Franklin,Nebr)	5 N;lk N	2120	13	Soft when wet.
LAMBERT Tower (St.Louis, Mo)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18,122.5,118.3
(NG)[Lambert-St.Louis](St. (N) Louis, Mo)	10.8 NW;hwy N, W	552	60h L6 S6	73-100 oct.Rdo rqrd. NNW blkd. Navy Inactive.
• Lamoni Int,10,KC-MP (Iowa)	3 WNW;RR NE	1163	37 L3	
Lenox (Iowa)	1 N	1200	22 S1	80 oct. Trees S.
Leon (Iowa)	4.1 N;RR SE	1050	20 S2	80 oct.
Lexington (Mo)	3 WNW;RR NW	650	33 S6	80 oct.P-line S,W,SW.
Lincoln Fly.Svc. (Ill)	1.8 W;hwy N,E	591	20 S6	80 oct. P-line N.
• Luray Int,16,KC-CG (Mo)	1.9 ESE;RR N	727	26 L3	Poles N,E,W.
Macomb (Ill)	2.4 E;hwy E	695	23 S6	73,80 oct.N,NE blkd.P-line
Mader (Garnett, Kans)	2 WNW;hwy S	1060	26	Obst sur fld. E, SE.
Manning (Iowa)	0.6 SW;RR W	1327	25 S2	73 oct.
Marceline (Mo)	1.5 N;RR SE	855	20 S1	80 oct.P-line NNE.
MARSHALL H Fac. (Mo)	281(MH)(116.1)		MHTV	(4); 116.1, 122.1
• Marshall Int,7,KC-LS(Mo)	1.8 S;hwy E	800	39 L3 S2	80,91 oct Trees E,NE,W.
(P) Marysville Mun. (Mo)	2.2 WNW;hwy S	1154	25 S6	80,91 oct.
Matanzas (Havana, Ill)	4 S;riv W	480	24 S6	80 oct. Data unver
McCoy (Blue Mound, Ill)	5 W	660	16 S2	No fuel.
Medbury (Armington, Ill)	1 NE	650	26	Data unver.
Mel Adkins (Gravois Mills)	4.2 SSE;hwy W	950	19	Rough. (Mo)
Melbourne,com (Iowa)	1.3 S;RR E	1000	21 S2	80 oct. P-line E.
MOLINE Range (Ill)	224(MO)(116.1)	142°,12	SBRAZ-DTV (4); 116.1,122.1 (ILS)	
MOLINE ARPT Range (Ill)	278	86°,2.3	ML	3105 (on req)
(P)[Moline] (Ill)	4 S;hwy E,N	590	40h L6 S6	73,80,91 oct.Poles NW.
Monmouth (Ill)	1.5 NNE;rd E	770	31 L1 S6	80 oct.P-line E,W,S
← Montezuma Int,17,OH-CG(Ia)	3 E;hwy N	953	32 L3	Poles N,S,W,W
Montgomery (Kahoka,Mo)	0.4 ENE;RR S	700	19 S2	80 oct. N,S blkd.
Morton (Ill)	3 W;hwy N	792	24 S2	80 oct. P-line N,W
Mt.Ayrport (Mt.Ayr,Iowa)	6.6 N;RR N	1100	21 S1	Ltd 80 oct. Poles N;NE.
Mt. Hawley (Peoria,Ill)	6.4 N;RR SW	700	28 S6	80,91 oct.P-lines SE,S,SW
Mt. Pleasant (Iowa)	2.6 ESE;RR N	727	19 S2	80 oct.
(P) Muscatine (Iowa)	6 SW;RR SE	546	36 S6	80 oct.
Myers-Hughs(Lucerne,Mo)	0.4 SE;RR W	905	20 S2	80 oct.S blkd.Rough
Nashville (Ill)	1 E;lk W		20 S1	80 oct. Data unver.
NEW FLORENCE H Fac. (Int)	248(ST)(116.1)		BHTV	(4); 116.1, 122.1 (Mo)
• New Florence Int,17,KC-LS (Mo)	1 SSE;hwy N	885	40 L3 S1	80 oct
Newton (Iowa)	1.5 ENE;hwy S	950	22 S6	80 oct. Poles S.
Newton Fly.Svc. (Iowa)	3 W,hwy S	960	22 S2	80 oct. P-line SE.
Nicholas (Marshall, Mo)	3.8 S;hwy W	770	26 S6	80 oct. Tree S.
Niederhauser Arwys (Grinnell, Iowa)	4.5 E	1000	26 S1	80 oct. P-line S
OLATHE Navy Range (Kans)	233 (NUU)	352°,2.9	BMRLZ	
OLATHE NAS Tower (Kans)	201 (142.74)		CN (GCA)	(3); 142.74 (8-18)
(N) Olathe NAS (Kans)(N)	5.2 SW;RR W	1085	53h L5 S6	100 oct.
OTTUMWA Tower (Iowa)	272 (142.74)		CN	(3); 142.74)
(N) Ottumwa NAS (Iowa)(N)	6.4 NNW	841	52h L5 S6	73,100 oct
Ottumwa (Iowa)	3.6 N;RR N	830	32 S6	80,91 oct. P-line W.
Palmyra (Mo)	0.8 SE;hwy W	650	22 S2	80 oct Trees S P-lines W
Pana (Ill)	2 E	708	18 S2	80 oct. P-lines N
Pekin (Ill)	4 S;RR E	505	29 S6	80,91 oct P-lines SE,S,SW,
Pella (Iowa)	3.5 SE;RR N	877	24 S6	80 oct W,NW
PEORIA Range (Ill)	356 (PI)	178°,2.2	SBMRAZ-DT (4)	
(P)[Peoria] (Ill)	4.8 WSW;rd E	659	44h L5 S6	80,91 oct Fld lgts on req
Pittsville (Mo)	1.2 WNW;hwy S	925	20 S1	80 oct.P-line W Trees E.
Princeton (Ill)	3 N;crk N		18 S2	80 oct. Data unver
Quincy (Ill)	2.8 SE;hwy E	650	26 S6	80,91 oct E blkd P-line SE,
(P) Quincy (new) (Ill)	9.5 E	760	54h	Data unver S,SW
Ravenna (Nebr)	1 NNE	2070	22 S2	80 oct Poles W Use strips
Red Oak (Iowa)	1.5 W;RR E	1044	25 S2	80 oct P-line N.
ROSECRANS Tower (Mo) (NG)[Rosecrans](St.Joseph,Mo)	278 (126.18, 118.7) 4 NW;riv SW	821	C 60h L5 S6	(4); 126.18,118.7,122.5 80,91,100 oct Ltd 100 oct 2-ech.maint.NG Fld lgts prior req
Roth (Oskaloosa, Iowa)	2 SSE;RR NE	850	20 S2	80 oct.Trees sur fld
St.Clair (Mo)	1.4 ENE	750	20 S2	80 oct. E,SSE,W blkd.
ST JOSEPH Range (Rosecrans) (Mo)	341(ZJ)(vhf)	359°, 3.7	SBMRLZ-DTV	(3); 116.1, 122.1
ST LOUIS Range (Lambert St.Louis)(Mo)	209(LS)(vhf)	256°, 2.2	SBRAZ-DTXV	(3); 116.1, 122.1
SCOTT Army Range (Belleville, Ill)	263 (DCD)	49°,2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill)	396 +		CA	(4)
(A) Scott (Belleville,Ill)(A)	7.5 ENE;RR S	447	55h L5 S5	73,91,100 oct. JP-1.
Sedalia (Mo)	6.3 NW;RR S	820	30 S6	80 oct. Poles S
(A) Sedalia AAF (Knobnooster, Mo.) (A)	2.8 S;hwy N	848	72h	CLOSED
Seymour (Iowa)	2 NNW;RR S	1060	24 S1	80 oct. Hedge S.
Sharon (Fremont, Ill)	1 SE;RR,hwy N	631	21 S6	80 oct. P-line NE
Sky Haven (Warrensburg, Mo)	3.7 WNW;hwy S	850	24 S6	80,91 oct.P-lines SE, WSW.
Sky Lake(Tuscumbia, Mo)	8 WSW		25 S1	80 oct. Trees NNE.
Slater (Mo)	0.8 NW;hwy N	850	26 S2	80 oct. P-line adj N.
SPANISH LAKE H Fac.(Mo)	219 (L)	69°,7.8	FMHW	(Cont) St. Louis
SPRINGFIELD Range (Ill)	239 (ZD)	113°,2.3	SBMRAZ-DT (4)	
Springfield (Ill)	3.5 SW;bet RRs	606	31 S6	80,91 oct Use strips.
Sterling (Ill)	1.4 NW;hwy E	645	26 S6	80,91 oct P-line SE.
Stephenson (Macon, Mo)	3.5 SSE;RR W	850	26 S2	80 oct. P-line N.
• Stuart Int,•,OH-CG(Iowa)	3.5 SE;rd E	1189	31 L3	P-line NE,E.
Taylorville (Ill)	1 SW		26 S6	80 oct. Data unver.
Tyler (Villisca, Iowa)	0.5 E;riv E	1055	18 S1	80 oct. P-line S.
Unionville Arwys (Mo)	1.5 ESE;hwy NE	1100	21 S2	80 oct P-line N
Vandalia (Ill)	4.4 NW	532	39h L3 S6	80,91 oct
• Van Orin Int,34,OH-CG(Ill)	1 ENE;RR S	828	33 L3	Poles W.
Vaughn (Trenton, Mo)	1.2 NNW,RR E	790	26	
Venture (Ottumwa, Iowa)	2.8 SSE,RR W	800	13 S6	80 oct.P-line N,W,NE
Versailles (Mo)	1.7 ENE;RR N	1050	20 S4	80 oct P-lines sur fld
VICHY Range (Mo) (AAF)	344(OM)(116.1)	310°,2.7	BMRLZ-DTV (4); 116.1,122.1	
(A) Vichy AAF (Mo)(A)	1.5 NNW	1120	55h	CLOSED Hwy SW
Virden (Ill)	1 WSW;RR E,S	640	25 S2	80 oct P-line N,E Soft
Vogel (La Salle, Ill)	6.5 NNW;RR E	664	26 S2	80,90 oct Soft when wet Poles N, W
Warrensburg (Mo)	7.3 SSW;hwy E	860	23 S6	80 oct Use strips only P-lines SW,NW
Warsaw (Mo)	2.5 W;lk N,E,S	690	26 S4	80 oct. Trees W,S,E.
Washington (Iowa)	1.5 SSE,RR NE	769	26 S6	80 oct.
Weise Fly.Svc.(Lone Tree,Ia)	3.4 NE		26 S2	80 oct Hi-line N.Data unver.
Winterset (Iowa)	2 W;RR E	1130	21 S4	80 oct.Fence each end rnwy
Wyllies (Gorin, Mo)	3 WNW;riv W	640	14 S2	80 oct Use strips only
York (Nebr)	1.8 N,hwy W	1662	30	Poles SW,NW Use strips
Zims (Warrenton, Mo)	0.4 ESE,hwy W	880	18 S2	80 oct. Trees E,W

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path or mrs, Compass Locator on loc)

LOCATION	LC	LZR	G.P.	APPR. BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
→ KANSAS CITY	109.9		333.8	173°	IM- ••••••(0.01)	MM- •—•—(2.60) OM- — — (4.65)
						MMK 221 —•—• OMK-248 —•—
LAMBERT	110.3		335	238°	IM-	MM-•—•—(0.64, OM- — — (3.98)
						MMK 201 •—• OMK.
MOLINE	110.3		335	131°	IM	MM-•—•—(0.71) OM- — — (4.4)
						MMK OMK
					IM-	MM OM-
						MMK OMK

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
• A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page xiii)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED
Airports are indented and non-capitalized.

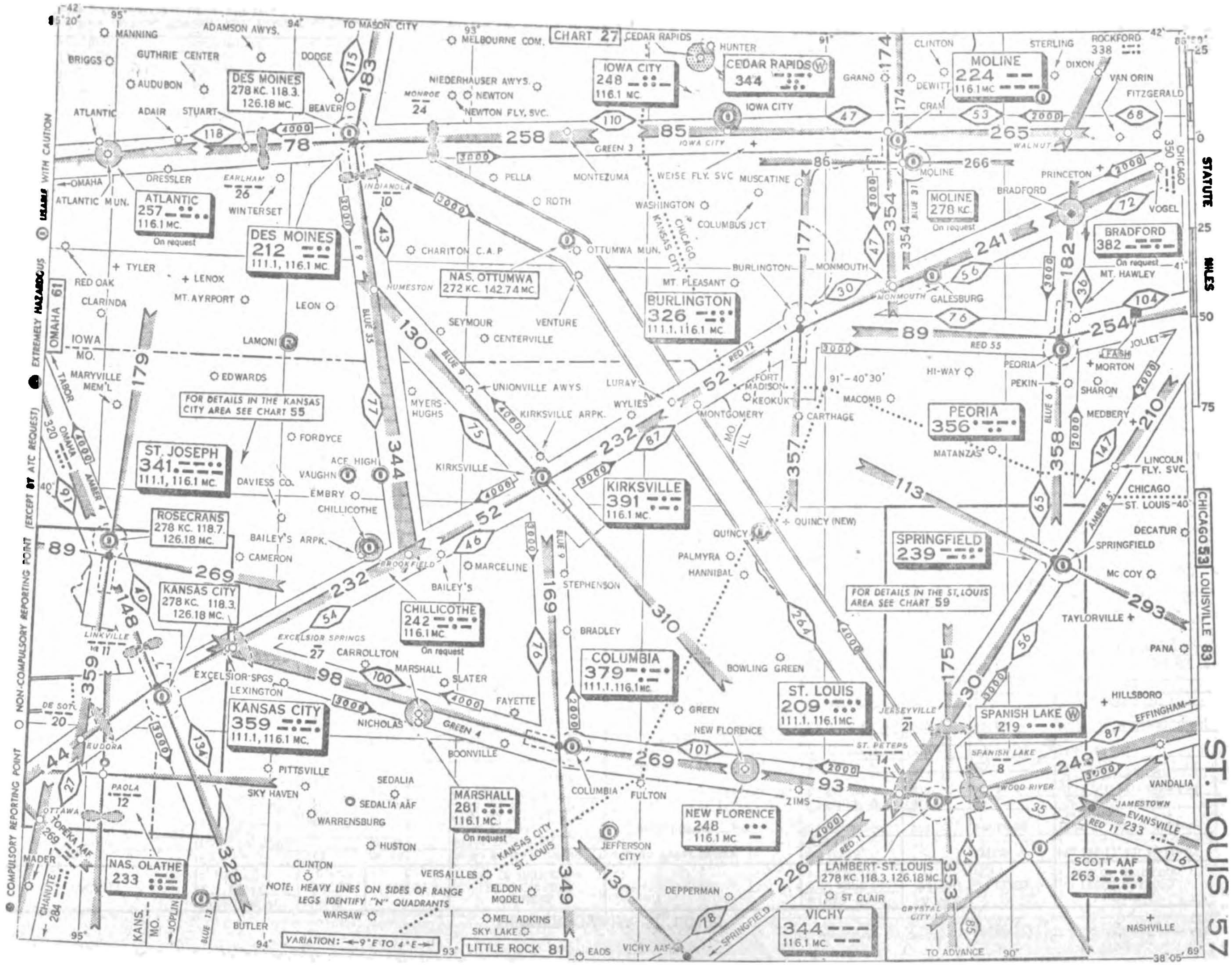


CHART 27
DES MOINES 278 KC. 118.3. 126.18 MC.
ATLANTIC 257 116.1 MC. On request
DES MOINES 212 111.1, 116.1 MC.
NAS. OTTUMWA 272 KC. 142.74 MC.
IOWA CITY 248 116.1 MC.
CEDAR RAPIDS 344
BURLINGTON 326 111.1, 116.1 MC.
MOLINE 224 116.1 MC.
MOLINE 278 KC. On request
BRADFORD 382 On request
PEORIA 356
ST. JOSEPH 341 111.1, 116.1 MC.
ROSECRANS 278 KC. 118.7. 126.18 MC.
KANSAS CITY 278 KC. 118.3. 126.18 MC.
KANSAS CITY 359 111.1, 116.1 MC.
CHILLICOTHE 242 116.1 MC. On request
MARSHALL 281 116.1 MC. On request
NAS. OLATHE 233
KIRKSVILLE 391 116.1 MC.
SPRINGFIELD 239
COLUMBIA 379 111.1, 116.1 MC.
NEW FLORENCE 248 116.1 MC
ST. LOUIS 209 111.1, 116.1 MC.
SPANISH LAKE 219
LAMBERT-ST. LOUIS 278 KC. 118.3, 126.18 MC.
SCOTT AAF 263
VICHY 344 116.1 MC.
LITTLE ROCK 81
CHICAGO 53
LOUISVILLE 83
ST. LOUIS 57
STATUTE MILES
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 9°E TO 4°E
FOR DETAILS IN THE KANSAS CITY AREA SEE CHART 55
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 59
TO MASON CITY
TO ADVANCE
EXTREMELY HAZARDOUS (EXCEPT BY ATC REQUEST)
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT

DENVER-OMAHA-ST LOUIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Auburn (Nebr)	2.7 E;riv SW	960	29 S6	80 oct P-line N,NW,NE
Beardstown (Ill)	1.5 SE;RR N,W		18 S2	80 oct. Data unver
Black Walnut (St. Louis, Mo)	18 NNW			ABANDONED
Blair (Nebr)	3 NNW;hwy W	1050	28 S6	80,91 oct P-line NW,W.
(P) Boulder (Colo)	3 ENE;RR NW	5350	42 S6	80,91 oct. RR S.
BUCKLEY Tower (Colo)(NG)	201 (126.18)		CA	(3); 126.18 (8-16)
(NG)(N) Buckley (NAS) (Denver, Colo)	12.5 ESE	5642	80h	73,100 oct,1-ech maint NC
Calhan (Colo)	0.6 ESE;hwy N	6500	22	
Chesterfield Int,4 LS-CG (Ill)	3 ENE;hwy 1 W	612	26 L3 S1	80 oct.P-line NE,NW.
Civil Air Patrol (Denver,Colo)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Clear Ridge (Omaha, Nebr)	5.2 NW;RR N	1230	28 S6	80 oct. P-line E.
COLORADO SPRINGS Range (Peterson)(Colo)	224 (CD)	166°, 3.9	MRLWZ	
Combs (Denver, Colo)	3 NE;RR N	5276	35 S6	80,91 oct P-line N,S
Council Bluffs (Iowa)	3 SE;RR S	980	37 S6	80 oct Bldgs SW
Craig (Mo)	See Ward Arpt under "New Facilities" - name changed			
Creighton (Golden, Colo)	4 E;lake E	5600	30 S1	80 oct NW blocked Mtn NW
Creve Coeur (St. Louis, Mo)	14.5 WNW			ABANDONED.
Crosier (Greeley, Colo)	3.5 E;rd,riv S	4648	34 S6	73,91 oct
Cyril Lebert (Lebanon, Ill)	0.5 SE;hwy N	440	22 S2	80 oct. Poles N,W,S
DENVER Range (Stapleton)(Colo)	379 (DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER VHF Range (Stapleton) (Colo)	109.1 (DV)(vhf)	211°,9.7	VAR-DTXV	(3);116.1,122.1
Dunlap (Iowa)	0.5 WNW;RR SE	1160	30 S3	80 oct. P-line NNE
Eagleton (Decatur, Nebr)	1 S;hwy E	1100	26 S1	80 oct.P-line NE,E,SE.
East Colfax (Watkins, Colo)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N,NW
Edwardsville (Ill)	3.4 E;RR N	555	21 S2	No fuel P-line E,S
Ellisville (Mo)	0.4 NE;hwy S	750	16 S2	80 oct.
Englewood (Colo)	6.8 SSE;hwy S	5520	45 S6	80, 91 oct.
Flagler (Colo)	0.8 S;RR N	4975	48 S4	80 oct. 20' p-line E
Fleck's Lakeview (Rochester, Ill)	2.8 W;lake W	580	21 S6	80 oct P-line W
Gundlach (Belleville, Ill)	1.8 E	514	23	Obsts sur fld.
H & S (Gillespie, Ill)	1 W;RR S	661	18	P-line N,E.
Harlan (Iowa)	5 SSW;hwy E	1196	27 S2	73 oct. Hi-line S,E
Hew's (Humboldt, Nebr)	4.2 NNE	1200	13	Pwr line E.PRIVATE
Hi ghland-Winet (Highland,Ill)	3.6 NE;RR S	535	24	P-line S.
Jacksonville (Ill)	3.9 S;hwy E	650	18 S6	80 oct P-line E.
Kratz (St. Charles, Mo)	1.1 ESE;RR S	442	30 L S6	80,91 oct Port rnwy lgts.
Lakeside (E. St. Louis, Ill)	7 NNE;lake W	420	32 L S6	80,91 oct Port lgts on rep. SE blocked
LAMBERT-ST. LOUIS Tower (St. Louis, Mo)	278 (126.18, 118.3)		AC(ILS)	(4); 126 18, 122 5, 118 3
(NG)(N) [Lambert-St Louis](Nas) (St. Louis, Mo)	10.8 NW;hwy N, W	552	60h L6 S6	73-100 oct.Rdo rqrd.NNW blkd.Navy Inactive.
Longmont (Colo)	2.9 W ;hwy .5 S	5030	44 S6	80,91 oct Trees NW.
LOWRY Tower (Colo)	396 (126.18)+		CA ◆ 00.20	(3); 126 18 (GCA)
(A) Lowry (Denver, Colo) (A)	5.3 ESE	5412	83h L5 S6	91, 100 oct JP-1
Lucas (Festus, Mo)	1.7 S;RR W	425	16 S2	73 oct.
Machens (Mo)	1 NNW			ABANDONED
Meremec (Valley Park, Mo)	1.5 ESE;riv N	440	30 L S2	80 oct. Port rnwy lgts. P-line S.
Missouri Valley (Iowa)	1.5 S;RR W	960	16 S2	80 oct.
Negus (Alexander, Ill)	2.8 WSW;RR SE	645	22	PRIVATE.
(N) Neubeiser OLF (St. Louis, Mo) (N)	22 NNW;riv N	438	20h	CLOSED.
Nichols (Colorado Springs, Colo)	2.8 NNE;hwy W	6200	42 S6	80,91 oct. P-line SE,S,SW, NW,N,NE.
OFFUTT Tower (Omaha, Nebr)	396 (126.18)		CA	(3); 126.18
(A) Offutt (Omaha, Nebr) (A)	10 S;RR W	1046	61h L5 S4	91,100 oct. No sto.
Oliver Ranch (Onawa, Iowa)	5 SE;hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
OMAHA Range (Nebr)	320(OH)(vhf)	146°,0.8	SBRAZ-DTV	(3); 116.1, 122.1
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C(ILS)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE;lake W	982	54h L6 S6	73,80,91,100 oct. No contact lgts.
Parks (East St. Louis ,Ill)	4.2 SW;RR SE	410	26 L3	NW blk. PRIVATE.
Parks Metropolitan (East St. Louis, Ill)	3.5 SSW;RR W	420	40 L S6	80,91 oct. Port rnwy lgts. 1700' paved rnwys.
PETERSON Tower(Colo)	272(126.18)		CA	(4):126.18
(A) [Peterson] (Colorado Springs, Colo) (A)	6.3 E; hwy N	6170	85h L5 S6	73,91,100 oct.
Pine Valley (Colorado Springs Colo)	9.2 N;bet RR,hwy	6575	42 S6	80,91 oct P-line NE,E,SE, W,NW.
Randolph (Iowa)	1.7 NNE;RR W	1050	20	
Rocky Mountain (Colorado Springs, Colo)	6 ESE	6100	35	
Ross (St. Louis, Mo)	4.8 NNW;RR SE	430	30 S6	80,91 oct. Poles sur fld.
Ruston (Denver, Colo)	10 NNW;hwy W	5550	40 S2	80,91 oct. P-lines sur fld. Bet RR & hwy.
Rutledge (Dupont, Colo)	2.1SSW;	5107	37 S6	80,91 oct.Poles sur fld.
St. Charles (Mo)	5.3NNW;RR N	470	29 S6	80 oct Poles E,N,NE,SE
ST. LOUIS Range (Lambert-St. Louis) (Mo)	209(LS)(vhf)	256°,2.2	SBRAZ-DTXV	(3); 116.1, 122.1
SCOTT Army Range (Bellev'l, Ill)	263 (DCD)	49°, 2.2	SBMRAPZ-DT	(4)
SCOTT Tower (Ill)	396 +		CA	(4)
(A) Scott (Belleville,Ill)(A)	7.5 ENE;RR S	441	55h L5 S5	73,91,100 oct.JP-1.
Shenandoah (Iowa)	2.8 W;RR SE	960	25 L S2	80 oct Port rnwy lgts
SKY RANCH Tower (Colo)	296		CI	(3); (8-17)
Sky Ranch (Denver, Colo)	12.6 E;RR S	5478	55 S6	73,80,91 oct.
SPANISH LAKE H Fac.(Mo)	219 (L)	69°,7.8	FMHW	(Cont.) St. Louis
Springfield (Ill)	3.5 SW;bet RRs	606	51 S6	80,91 oct. Use strips.
SPRINGFIELD,Ill,(Range)	239(SP)	113°, 2.3	SBMRAZ-DT	(4)
STAPLETON Tower (Denver, Colo)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5,126.18,118.7
[Stapleton] (Denver, Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
Starling (St. Louis, Mo)	14 SSW;riv 3 N	615	24 S2	80 oct.Trees ESE,SE,WNW.
Steckley (Weeping Water,Nebr)	3 S;RR,rd E			ABANDONED
Sylvan Beach (Fenton, Mo)	2 NNW	442	42 L S2	80,91 oct. Port rnwy lgts. P-line N.
TARKIO H Fac. (Mo)	281 (TK)(116.1)		MHTV	(4);116.1,122.1.
Tarkio,10,KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct.
Tecumseh (Nebr)	1 W;RR NE	1115	26 S4	80 oct.Trees W;p-line N.
Valley (Nebr)	1.8 NW;RR NE	1150	22 S1	80 oct.
Vest Aircraft Co.(Denver,Colo	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
Wadlow (Alton, Ill)	3.5 NNW	600	25 S6	80 oct. P-line SW,trees S.
Weiss (Kirkwood, Mo)	4 SW	430	15 S4	80 oct. P-line NE,N.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locaters in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LAMBERT	110.3 • — • • •	335	238°	IM-	MM- • — • — (0.64)	OM- — — (3.98)
					MMK- 201 • • •	OMK-
OMAHA	110.3 — • — •	335	135°	IM-	MM- • — • — (0.78)	OM- — — (4.90)
					MMK- 201 • • • •	OMK- 219 — — —
STAPLETON	110.3 — • • • —	335	206°	IM-	MM- • — • — (0.65)	OM- — — (4.19)
					MMK-335 • • • —	OMK- 359 — • •

NEW FACILITIES

Tekamah (Nebr)	1.3 S;hwy W	1010	30 S2	80 oct,S blkd.
Lisco (Nebr)	0.5 W;RR N	3800	26	
Patty's (Lewellen,Nebr)	0.3 SE	3300	26	P-line E.
Grundman, (Nebr. City, Nebr.)	1.1 SSW;hwy E	1150	28 S2	80 oct.
Falls City Mun. (Nebr.)	1.8 NE	960	29 S2	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

DENVER AREA (SEE CHART 63)

OMAHA AREA (SEE CHART 61)

ST. LOUIS AREA (SEE CHART 57)

CHART 59

● COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) Ⓡ EXTREMELY HAZARDOUS Ⓓ USABLE WITH CAUTION NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

10 STATUTE 0 10 MILES 20

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abilene (Kans)	1.7 WSW;RR N	1100	29 S6	80 oct. Trees E. P-line
Arrow (Lincoln, Nebr)	4.8 NE;hwy E	1160	25 L S6	73,80 oct. Port rnwy lgts. SE
Atwood (Kans)	2 N;hwy S	2900	26 S6	80 oct. Soft when wet.
(P) Beatrice (Nebr)	3.5 N;hwy E	1260	38h L3 S4	80 oct. Twrs SSW; poles S. Rnwy data unver.
Belleville (Kans)	1.8 WSW;hwy S	1520	24 S6	80 oct. Poles S,SE.
Benkleman (Nebr)	1.2 NNE;RR SE	2990	28 S2	80 oct.
Bern (Kans)	0.6 S;RR N	1300	26 S1	80 oct. Pwr line N.
Blosser (Concordia, Kans)	1 SSE;hwy W	1510	22 S2	80,91 oct. Pole E.
* Brainard Int, 82, SL-OH	5.5 SW	1640	31 L2	P-line N. (Nebr.)
Broken Bow (Nebr)	2 N	2400	30 S6	80 oct.
(A) Bruning AAF (Nebr)(A)	7.7 E;RR N	1544	68h	CLOSED.
Central (Grand Island, Nebr)	1.7 NE;RR S	1851	33 S6	80,91 oct. P-lines W, N
(P) Clay Center (Kans)	1.5 W;hwy S	1200	30 S2	80 oct. Poles S,NW.
Clay Center (Nebr)	1.5 E;hwy N	1800	26	Not maintained.
Clothier (Cedar Point, Kans)	4 SSW;creek E	1320	20 S2	73 oct.
Colby (Kans)	1.8 N;hwy W	3150	42 S4	80 oct. Poles SW,W.
Columbus (Nebr)	1.3 NE;RR S	1445	26 S6	P-line SSE,SSW.
Crete (Nebr)	1 S;RR NE	1368	24 L3S6	80,91 oct. Lgts prior req
David City (Nebr)	1.5 N;hwy W	1640	22 S2	80 oct. Windmill E.
Downs (Kans)	0.4 SW;riv S	1500	22 S1	80 oct. NW,N blkd. Pole
Eddie Hutton (Brewster, Kans)	1 SE;RR N	3420	35 S4	80,100 oct. Poles SE,S,SW,N.
Elgin (Nebr)	0.8 SW;RR E	1930	16 S6	80 oct. Bldgs SE,N.
Elkins (Wakefield, Kan)	1 SSE;riv NE	1170	13 S1	80 oct. Poles W.
Ellinwood (Kans)	1.5 NW;RR S	1790	26 S6	73 oct. Poles N.
Emporia (Kans)	5.4 S;hwy E	1200	26 S6	80 oct. Poles E,NE
Fairbury (Nebr)	2.5 NNE;RR SE;hwy SE	1316	26 L S6	80 oct. Port rnwy lgts P-line W,NW,S.
(A) Fairmont AAF (Geneva, Nebr) (A)	4.8 NE	1639	70h	CLOSED
(P) Fremont (Nebr)	1.4 WNW; RRs NE	1203	38h S4	80,91 oct. P-line N, NE,E,SE.
Giffin-Orton (Hoisington, Kans)	See Hoisington Arpt under "New Facilities" - name changed.			
GOODLAND H Fac. (Kans)	353 (GN)		HW-T	
GOODLAND Range (Kans)				DECOMMISSIONED.
(P) Goodland (Kans)	2 NNE;hwy E	3689	37 S4	80,91 oct. P-lines SW,
Gothenburg (Nebr)	0.7 E;hwy S	2550	32 S2	80 oct. W. Trees NW.
GRAND ISLAND Range (Nebr)	263 (GI)(vhf)	165°, 1.3	SBMRLZ-DTV	(4); 116.1, 122.1
GRAND ISLAND AAF Tower (Nebr)				DECOMMISSIONED.
(A) Grand Island AAF (Nebr) (A)	3.5 NE;RR W	1846	72h	CLOSED.
(A) Great Bend AAF (Kans) (A)	4.5 WSW	1891	80h	CLOSED.
Great Bend Arpk. (Kan)	1.6 NNE;RR W	1850	26 S2	80 oct. Poles N,W.
(A) Harvard AAF (Nebr)(A)	2.5 NE	1817	76h	CLOSED.
Hastings (Nebr)	1.5 NW;RRs N,S	1940	52h S6	73,80 oct.
Hastings Sky Ranch (Nebr)	3.2 WSW;RR N	1960	26 L S6	80,91 oct. Port rnwy lgts. P-line S,W. NE,SW,W,NW.
Hawks (Bruning, Neb)	3.8 ESE;rd N	1544	29 S4	80 oct. N blkd. Poles
HAYES CENTER Range (Nebr)	(400)(KB)(vhf)	64°, 2.2	SBMRAZ-DTV	(4); 116.1, 122.1
* Hayes Center Int, 21, DV-GI (Nebr)	3 ENE;rd S	3074	51 L3	
Hays (Kans)	1.5 E;RR S	2020	29 L S6	80,91 oct. Port rnwy
Hebron (Nebr)	1 S;RR W	1458	26 S4	80 oct. S appch lgts 6:1, SW 10:1.
Herington (Kans)	0.5 SE;hwy N	1450	26 S2	80 oct. Poles N,NW.
(A) Herington AAF (Kans)	7.5 ENE	1485	69h	CLOSED. (A)
Hewett's (Beaver City, Nebr)	2.5 NNE; hwy S	2300	40 S1	73 oct. Pole NNW, SSW. Bldg N.
Hiawatha (Kans)	1.3 WSW;RR E	1110	25 S1	80 oct. Appchs blkd.
Holdrege (Nebr.)	2 NNE;crk S	2324	26 S4	80 oct.
Holyrood (Kans)	0.5 ESE;RR N	1820	17 S4	73 oct. Poles N.
Huntoon (Topeka, Kans)	5.4 W;hwy N	1000	18 S6	80 oct. Pwr line N.
Imperial (Nebr)	1 ESE;RR SW	3280	36 S4	80 oct.
Janssen Skytel (Mc Pherson, Kans)	1.5 SW;hwy N	1500	22 S6	80 oct. Hi-line W. Poles E.
KEARNEY Army H. Fac.	536 (DKR)	130°, 5.3	HW	(Nebr)
KEARNEY AAF Tower	396 (126.18)		CA	(3); 126.18 (8-1630)
(A) Kearney AAF (Nebr)(A)	4.5 ENE;RR S	2130	73h L5 S6	73,91,100 oct JP-1 No st
Kearney (Nebr)	4.5 S;riv N	2145	15 S1	80 oct. Trees N;p-line E
Larkinburg (Kans)	0.3 E;hwy N	947	27 S2	80 oct. Hi-lines N. Data unver.
Larned Mun. (Kans)	1.6 NNE;RR SE	2012	33 S6	80,91 oct.
LEBO Range (Int.) (Kans)	311(LN)(vhf)	336°, 0.0	BMLZ-DTV	(4); 116.1, 122.1
* Lebo Int, 39, AQ-KC	4 ENE;RR N	1160	33 L3	(Kans)
Lenora (Kans)	1.2 NNW	2325	29 S2	creek NE 80 oct.
Lexington (Nebr)	1.7 NW;RR S	2400	28 S6	80 oct. P-line NE,E,SE.
LINCOLN Range (Nebr)	385 (HK) (116.1)	170°, 2.4	SBMRLZ-DTV	(4); 116.1, 122.1
(NG) [Lincoln] (Nebr)	5 NW;RR NE	1191	71h L5 S6	80,91,100 oct. 73,91,100 oct for NG
Lyons (Kans)	1.3 W;hwy N	1950	28 S6	73 oct. P-line NW,N,NE
Manhattan (Kans)	5.5 WSW	1050	31 S6	80 oct. RR SE.
Mankan (Manhattan, Kans)	3.7 ENE;hwy S	1050	30 S6	80,91 oct. Poles sur fld.
Mankato (Kans)				ABANDONED
(P) Marion (Kans)	1.8 ESE;hwy N	1370	36 S4	80 oct. Appchs blkd.
MARSHALL Army Range (Ft. Riley) (Kans)	215 (DFY)	196°, 4.0	SBMRAZ	
MARSHALL Tower (Kans)	396 (126.18)		CA	(3); 126.18
(A) Marshall (Ft. Riley, Kans) (A)	1.8 SE	1062	45h L5 S6	73,91,100 oct. Ditch E S.
McCook (Nebr)	2.2 E;RR S	2586	42 S4	80 oct. Windmill N Hwy
(A) McCook AAF (Nebr)(A)	9 NNW;hwy E	2784	75h	CLOSED. S
McPherson (Kans)	4 NNE;hwy W	1500	34 S6	80 oct. Soft when wet. Appchs blkd.
Moritz (Beloit, Kans)	1.2 NW;RR S	1420	24 S6	80 oct. Trees E.
MORLAND Range (Kans)				DECOMMISSIONED.
Moundridge (Kans)	2.2 WNW	1485	17 S2	80 oct, Poles SW,W,RR
(P) Norfolk (Nebr)	3 SSW;RR W	1572	58h S6	80 oct. P-line SE. 8 NE
NORTH PLATTE Range (Nebr)	236 (NQ)(vhf)	352°, 2.2	SBRAZ-DTV	(4); 116.1, 122.1
(P) [North Platte] (Nebr)	3.2 ESE;riv S	2779	55h L5 S6	73,80 oct.
(P) Norton (Kans)	0.7 NNW;RR 1 S	2365	52 S4	80,91 oct. P-line S.
Oberlin (Kans)	0.9 NW;hwy SE	2684	25 S4	80 oct. P-line SE,NE.
Ohiowa (Nebr)	3 SW	1572	20	Fence sur fld. Data unver
OMAHA Range (Nebr)	320 (OH)(vhf)	146°, 0.8	SBRAZ-DTV	(3); 116.1, 122.1 ve
OMAHA Tower (Nebr)	278 (118.5, 126.18)		C(ILS)	(4); 126.18, 122.5, 118.5
[Omaha] (Nebr)	3.5 NE;lk W	982	54h L6 S6	80,91,100 oct.
100th Meridian (Cozed, Nebr)	0.8 SW;RR N			ABANDONED.
Ord (Nebr)	1.8 NW;RR;hwy E	2060	31 S4	80 oct. Use strips.
* Overton Int, 69, SL-OH (Nebr)	4.8 E;RR S	2300	40 L3	Bldgs, trees NW; poles NE.
PHILLIP BILLARD Tower (Topeka, Kans)	278 (118.5, 126.18)		C	(4); 118.5, 126.18, 122.5; 100-150 mcs on req.
[Phillip Billard] (Topeka, Kans)	3.5 ENE;riv N	879	43h L3 S6	80, 91 oct.
(P) Phillipsburg (Kans)	1.2 S;hwy E,N	1882	33 S2	80,91 oct.
Pottawatomie (Manhattan, Kans)	1.4 NE;RR SE	1100	20 S4	80 oct. Poles SE,NW,NE
Republican City (Nebr)	See Waldo Air Svc under "New Facilities" - name changed.			
Russell (Kans)	2.7 ESE;hwy N	1860	32 S6	73,80,91 oct. Poles N, NE,S,SW.
SALINA Range (Kans)				DECOMMISSIONED.
Salina (Kans)	2.5 SE	1275	26 S6	80,91 oct. P-line NW.
Schuyler (Nebr)	2.8 W;RR S	1380	20 S4	80 oct. NE,SW blkd.
Scott City (Kans)	1.3 ESE hwy N	2980	32 S2	80 oct. SW,W,NW blkd. Poles N,NE.
(A) Scribner AAF (Nebr) (A)	4.1 SSE;hwy N	1315	67h	CLOSED.
Seneca (Kans)	0.5 W;RR S	1250	24	Poles N,S.
Sky Village (Salina, Kans)	6.6 WSW;RR SE	1270	22 L S6	80 oct. Port rnwy lgts P-line S.
Smith Center (Kans)	1 SSW	1806	27 S1	80 oct. S blkd. Pole SE.
SMOKY HILL Army Range (Salina) (Kans)	344 (DSN)	170° 5.1	BMRLZ-DT	(4)
SMOKY HILL AAF Tower (Kans)	396 (126.18)		CA(ILS-W) (GCA)	(4); 126.18
(A) Smoky Hill AAF (Salina, Kans) (A)	4.5 SW;RR E	1289	100h L5 S4	73,91,100 oct. No sto.
Summerfield (Kans)	0.3 SSE	1450	20 S6	80 oct. P-line N,NW.
TARKIO H Fac. (Mo)	281 (TK) (116.1)		MHTV	(4); 116.1, 122.1
Tarkio, 10, KC-OH (Mo)	1.2 ENE;RR W	918	40 L3 S4	80 oct. Trees N.
TOPEKA VHF Range (Kans)				DECOMMISSIONED
TOPEKA Army Range (Kans)	269 (DTO)	32°, 3.5	BMRAZ	(4)
TOPEKA AAF Tower (Kans)	206 (116.1, 126.18)		CA	(3); 116.1, 126.18
(A) Topeka AAF (Kans) (A)	6 S;RR W	1078	65h L5 S6	73,91,100 oct. JP-1. No sto. CLOSED.
Union (Lincoln, Nebr)	4.8 NNE;RR S	1140	18h L3 S6	80,91 oct. All lgts prior req.
WALDO VHF Range (Kans)				DECOMMISSIONED.
(A) Walker AAF (Hays, Kans) (A)	12.5 E;hwy S	1975	80h	CLOSED.
Waverly (Lincoln, Neb)	9 NE;RR SE	1180	20	Poles SE,SSW.
West Point (Nebr)	1.5 E;hwy W		16 S4	80 oct. Data unver.
Wood Arpk (Clay Center, Kans)	3.5 N;hwy W	1260	15 S6	80 oct. No sto. P-line W.
Wright Arpk (Abilene, Kans)	1 SSE;riv S	1150	13 S1	80 oct. S blkd.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
GRAND ISL. AAF (A)				DECOMMISSIONED
OMAHA	110.3	335	135°	IM- ·-·-(0.78) MM- ··-·(0.78) OM- ——(4.90) MMK- 201 ···· OMK- 219 ———
SMOKY HILL (A)	109.9	333.8	123°	IM- (0.19) MM- ·····(0.89) OM- ——(4.20) MMK- OMK-
				IM- MM- OM- MMK- OMK-

NEW FACILITIES

Hill City Mun. (Kans)	0.8 NE;riv S	2200	28 S2	Sto. SW blckd.
Mankato Mun. (new) (Kans)	1.4 NW;RR SW	1840	24 S6	80 oct. Windmill NE
Trenton Mun. (Nebr)	1.3 NW;RR S	2840	27 S2	80 oct. Poles SE.
Wahoo Mun. (Nebr)	2.5 NE	1180	25	Poles S.
Cakland (Nebr.)	2 W	1320	28 S6	80 oct. Use strips.
Hoisington (Kans)	1.3 NE;hwy S	1870	25 S4	80 oct. Poles S.
Burdett Fly Club (Kans)	1 SW;RR N	2140	20 S1	80 oct Poles E,S. prior req
Concordia (Kans)	1.7 S;hwy W	1510	24 L S6	80 oct Flood, port rnwy lgts
Ellsworth (Kans)	1 N;twr 0.8 S	1630	26 S6	80 oct. FEE. P-line NW
Hoover (La Crosse, Kans)	0.5 ENE;RR S	2060	24 S2	80 oct. Poles S,N
Hoxie (Kans)	0.7 N;RR, hwy S	2665	20 S1	73 oct. Poles S,W
Marysville (Kans)	1.3 ENE	1240	26 S6	80 oct P-lines N,S
Nessco (Ness City, Kans)	1.6 ESE;RR 0.6 N	2240	26 S2	80 oct. E/W rnwy unsafe
Ness Fly. Club (Ness City, Kans)	1 ESE;RR N	2245	23 S2	80 oct Poles N,S when wet
Oakley (Kans)	0.6 SSW;RR N	3050	26 S2	80 oct P-lines SE,S,NW,N
Ritter (Jct. City, Kans)	3.7 W;hwy N	1260	18 S2	80 oct Poles NE,N Use stps
Sterling Air Svc. (Kans)	1.2 SSW;lk 0.5 NE	1630	19 S4	80 oct Trees all appchs.
Trenton (Nebr)	1.2 NW	2840	27 S2	80 oct. P-line SE
Lakeside (Franklin, Nebr)	5 N;lake N			ABANDONED.
Superior (Nebr)	2 N;hwy W	1735	26 S2	80 oct.
Geneva Fly. Svc. (Nebr)	1.2 SSW;RR NW	1633	26 S4	80 oct. Poles E. Soft-wet
Roush (Grand Isl. Nebr)	2 SSE;riv N	1841	32 S6	80,91 oct. E blkd.
Harmon (Kearney, Nebr)	1.3 NNW;lk S	2240	17 S4	80 oct. Soft when wet.
Waldo Air Svc (Republican City, Nebr)	0.5 WNW;riv S	1980	30 S6	80,91 oct. N end soft.
Heller Air Ranch (Wisner, Nebr.)	5 SSW;rd S	1350	22 S4	80 oct. Poles SE. Use strips only.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

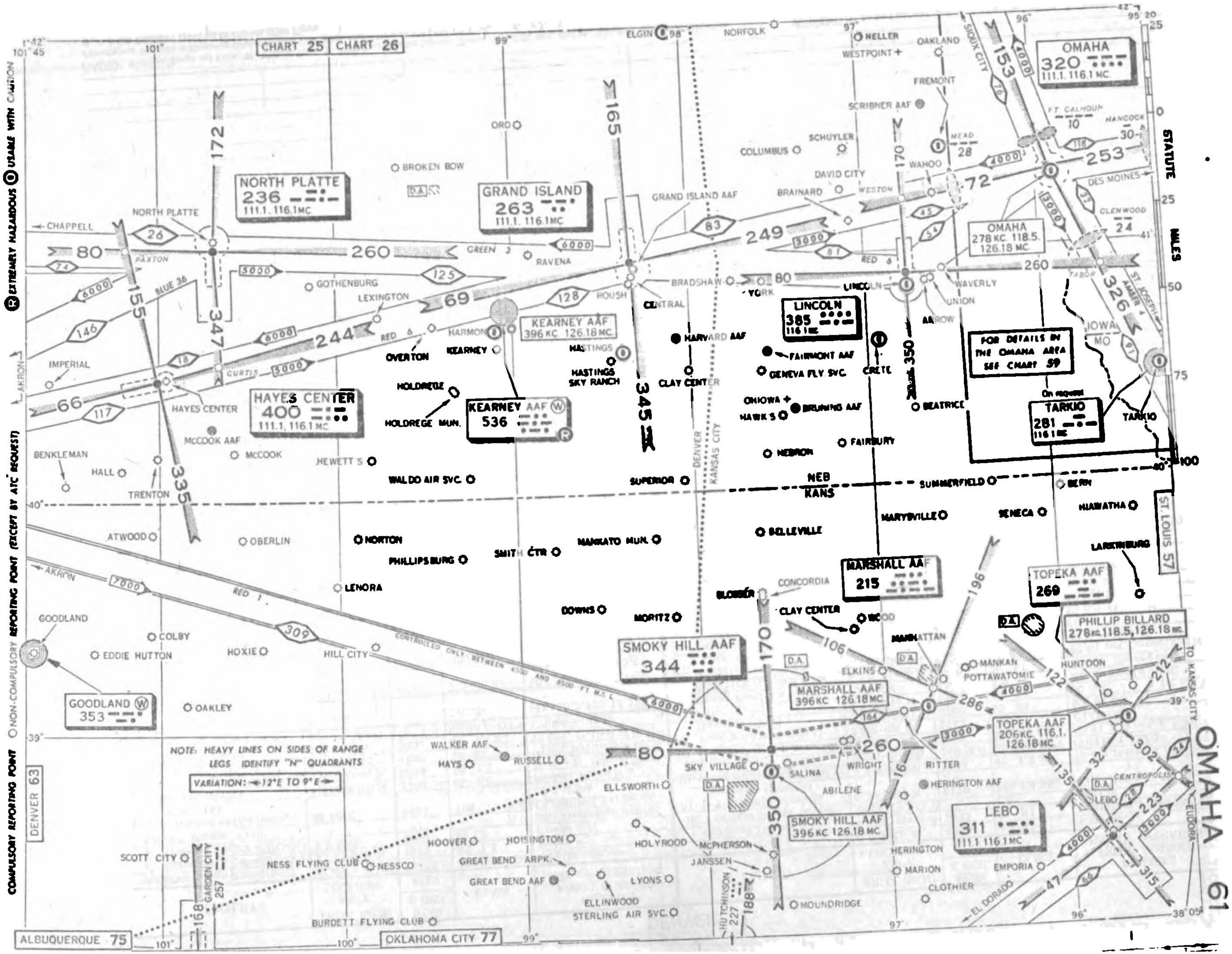


CHART 25
CHART 26
NORTH PLATTE 236 111.1, 116.1 MC
GRAND ISLAND 263 111.1, 116.1 MC
HAYES CENTER 400 111.1, 116.1 MC
KEARNEY AAF 396 KC, 126.18 MC
KEARNEY AAF 536
OMAHA 320 111.1, 116.1 MC
OMAHA 278 KC, 118.5, 126.18 MC
LINCOLN 385 116 MC
TARKIO 281 116 MC
SMOKY HILL AAF 344
MARSHALL AAF 215
MARSHALL AAF 396 KC, 126.18 MC
TOPEKA AAF 269
TOPEKA AAF 206 KC, 116.1, 126.18 MC
PHILLIP BILLARD 278 KC, 118.5, 126.18 MC
SMOKY HILL AAF 396 KC, 126.18 MC
LEBO 311 111.1, 116.1 MC
GOODLAND 353
FOR DETAILS IN THE OMAHA AREA SEE CHART 59
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 9°E
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
EXTREMELY HAZARDOUS USABLE WITH CAUTION
CONTROLLED ONLY BETWEEN 6500 AND 8500 FT M.S.L.
STATUTE MILES
OMAHA 61
DENVER 63
ALBUQUERQUE 75
OKLAHOMA CITY 77
NEB KANS
DENVER KANSAS CITY
ST. LOUIS 57
TO KANSAS CITY

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
AKRON Range (Colo)(Int.)	368(RN)(vhf)	154°,3.6	SBMRAZ-DTV	(4);116.1,122.1
★ Akron Int,9,DV-GI(Colo)	3.9 SE;RR N	4585	53 L3	Poles W.
★ Alvin Int,15,DV-GI(Colo)	3.5 NNE	3600	40 L2	Roads S,N.
ANTON Range (Colo)				DECOMMISSIONED
(A) Arlington #4 (La Junta, Colo) (A)	28 NNE	4424	70h	CLOSED. Arlington 3.3 WNW.
Bayard (Nebr)	1.3 SSW;RR N	3760	25 S2	No fuel. Poles N,E,NW,
* Big Springs Int,55,SL-OH	3 WNW;hwy N	3605	35 L3	P-line E. (Nebr). SE.
Burlington (Colo)	0.5 W;RR S	4160	38 S2	73 oct. P-line N,NE,SE,
Chappell (Nebr)	3 E;RR SW	3830	26 L1 S2	73 oct. P-line W S,NW
CHEYENNE Range (Wyo)	326(CX)(vhf)	76°,0.9	SBRAZ-DTV	(3);116.1,122.1
➤ CHEYENNE Tower (Wyo)	278(126.18, 118.3)		C(ILS)	(4);118.3,126.18,122.5
(NG) [Cheyenne] (Wyo)	1 N;lakes WNW	6156	79h L6 S6	80,91 oct.;73,91,100 oct. for Army 80,100 oct,2-ech maint NG.
COLORADO SPRINGS Range (Peterson) (Colo)	224 (CD)	166°,3.9	MRLWZ	Poles W.
(P) Craig (Colo)	1.8 SE;riv N	6300	51 S6	80, 91 oct.
Cress (Westcliffe,Colo)	6 NW	8000	30 S1	80 oct.
DENVER Range (Stapleton) (Colo)	379(DV)(vhf)	155°, 2.4	SBMRAZ-DTXV	(3);116.1,122.1
DENVER Range (Stapleton) (Colo)	109.1(DV) (vhf)	211°, 9.7	VAR-DTXV	(3);116.1,122.1
Doughty's (Julesburg)	12 ESE	3600	18	PRIV. Use in emerg.
Douglas (Akron,Colo)	0.8 N	4400	28 S1	73 oct. (Colo)
Eads (Colo)	1.3 WSW;RR N	4210	42 S6	80 oct. P-line NE,N.
EAGLE Range (Colo) (6 mi ENE Eagle)	108.3 (EQ) (vhf)		BVAR-DTV	3105,3117.5; 116.1, 122.1
Eagle (Colo)	4.5 WSW;RR N	6496	38	
Estes Park (Colo)	2 SE;riv N	7635	30	Closed till June 1947
Flagler (Colo)	0.8 S;hwy N	4975	40 S4	80 oct. P-line E,NE,SE.
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150'	.9 L1 S6	73,80,91 oct. (Colo.)
[Fremont Co](Canon City, Colo)	6.9 E;riv 2.5 S	5350	49 S6	80 oct.
General Brees (Laramie)	See Brees Field under "New Facilities"- name changed.			
Glenwood Sprgs.(Colo)	2 S	5900	31 S4	73 oct.
Granby (Colo)	1 ENE;hwy S	8200	39 S2	80 oct.
Gregg (Pueblo, Colo)	6 N;RR,hwy E	5000	57 S4	80 oct.
Holyoke (Colo)	1.8 ESE	3720	35 S4	80 oct. RR NW.
Hugo (Colo)	1.5 E;hwy S	5034	26 S1	80 oct.
Idle Acres (Potter,Nebr)	11.8 N;hwy N	4630'	21 S4	80 oct. P-line W. Data
Julesburg (Colo)	2.8 SW;hwy W	3490	24 S6	80 oct. unver.
LA JUNTA Range (AAF)	281(LH)(116.1)	194°,2.6	SBMRLZ-DTV	(4);116.1,122.1 (Colo)
LARAMIE Range (Brees) (Wyo)	245(LR)(vhf)	137°,2.2	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Las Animas (La Junta, Colo) (A)	19 NE	4119	70h	CLSD. Las Animas 5.9 mi SSE.
Lorenzo (Nebr)	0.6 WNW;RR E	4400	15 S1	Ltd 73 oct. Cattle on fld.
Medicine Bow,31,SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct. (Wyo.)
Meeker (Colo)	1.3 E;hwy S	6300	36 S1	80,91 oct.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	(Colo)
Mitchell (Nebr)	1.6 S;riv N	3950	40 S6	73,80 oct. Trees,poles
Montrose (new) (Colo.)	1.5 NNW;hwy S	5780	58 S2	80,91 oct. NW.
Montrose (Colo)	1.3 S;RR NE	5800	33 S4	80 oct. CLOSED
Ogallala (Nebr)	2 W;RR S	3250	26 L1 S6	80 oct. Poles S,SE,SW.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ordway (Colo)	0.9 S;RR N	4300	40 S2	Caution.
Oshkosk (Nebr)	1.8 SE;riv S	3375	21 S1	Ltd 80 oct. Poles NW,NE
PETERSON Tower (Colo)	272 (126.18)		CA	(4);126.18
(A) [Peterson](Colorado Springs, Colo)(A)	6.3 E;hwy N	6170	85h L5 S6	73,91,100 oct. No sto.
(P) Pine Bluffs,44,SL-OH	4.2 WSW;RR S	5128	48 L3 S2	73 oct. P-line N.(Wyo)
PUEBLO Range (Colo)	302(PU)(vhf)	340°,2.0	SBRAZ-DTV	(4);116.1,122.1
(P) [Pueblo] (Colo)	2.1 SW	4853	53h L5 S6	80,91,100 oct. E blkd.
(A) Pueblo AAB (Colo)(A)	7 NE;RR S	4712	88h	CLOSED.
Rawlins (Wyo)	2.3 NE;RR 1 S	6780	52 S4	80, 91 oct.
(P) Rifle (Colo)	3.3 E;riv N	5400	42 S2	80 oct. (Colo.)
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 mi S.
Roderick (Lindon,Colo)	4.3 N;riv .5 E	4900	26 S1	73 oct. Emerg only.
➤ Royal Gorge (Canon City, Colo)	6.4 NW;hwy N	6320	26 S4	80,91 oct. Do not land N or S. P-line N.
(P) Saguache (Colo)	2 W;hwy NE	7700	48 S1	80 oct.
➤ St. Francis (Kans)	1 SSE;riv NW	3400	37 S4	80 oct. Poles W.
➤ Salida (Colo)	4 W;RR S	7500	38 S4	80 oct. Use strips.
Saratoga Mun. (Wyo)	0.7 SSW;hwy E	6900	47 S1	80 oct. P-line ESE.
Schwartz-Johnson (Sidney, Nebr)	1.6 SSE;RR N			ABANDONED
SCOTTSBLUFF Range (Nebr)	341(TF)(116.1)	301°,3.1	SBMRLZ-DTV	(4);116.1,122.1
(P) [Scottsbluff] (Nebr)	3.3 E;hwy S	3945	82h L5 S1	80,91 oct. Lgts on req.
Sharon Springs (Kans)	1.2 NW;RR S	3500	32 S1	80 oct. P-line E.
SIDNEY H Fac. (Nebr)	314(SD)(116.1)	350°,0.0	BH-DTV	(4);116.1,122.1
* Sidney Int,50,SL-OH	3 W;RR N	4132	36 L3	(Nebr)
SINCLAIR Range (Wyo)(Int)	209(XP)(116.1)	80°,1.7	SBMRAZ-DTV	(4);116.1,122.1
* Sinclair Int,27,SL-OH	3.8 ENE;RR S	6561	50 L3	
Stake's Prairie (Limon)	2.2 ENE;RR S	5375	34 S4	73 oct. (Colo)
STAPLETON Tower (Colo)	278 (126.18, 118.7)		AC (ILS)	(4);122.5,126.18,118.7
[Stapleton](Denver,Colo)	5 ENE;RR N	5320	70h L6 S6	80,91,100 oct.
(P) Starr Nelson(Delta,Colo)	4 E;rd N	5200	40 S4	80 oct.
Teter (Fairplay,Colo)	3 SSE;hwy E	9700	63	
(P) Trading Post(Kit Carson)	0.8 NW;crk E	4290	40	PRIV. P-line S,SE. (Colo)
Valley (Silver Cliff,Colo)	0.7 ESE	8000	40	Hwy W.
Walden (Colo)	1.5 N;hwy W	8250	63 S1	80 oct.
Wamsutter Int,22,SL-OH	2.4 NNW;RR S	6812	50 L3	35' pole line SW. (Wyo)
Wray (Colo)	1.2 NNW;hwy E	3400	36 S2	80 oct.
(P) Young (Ft.Morgan,Colo)	6 N;hwy E	4460	52 S6	73,80 oct. Rough
Yuma (Colo)	1.4 SSE;hwy W	4150	34 S6	80 oct. P-line S,SE,SW,NW.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

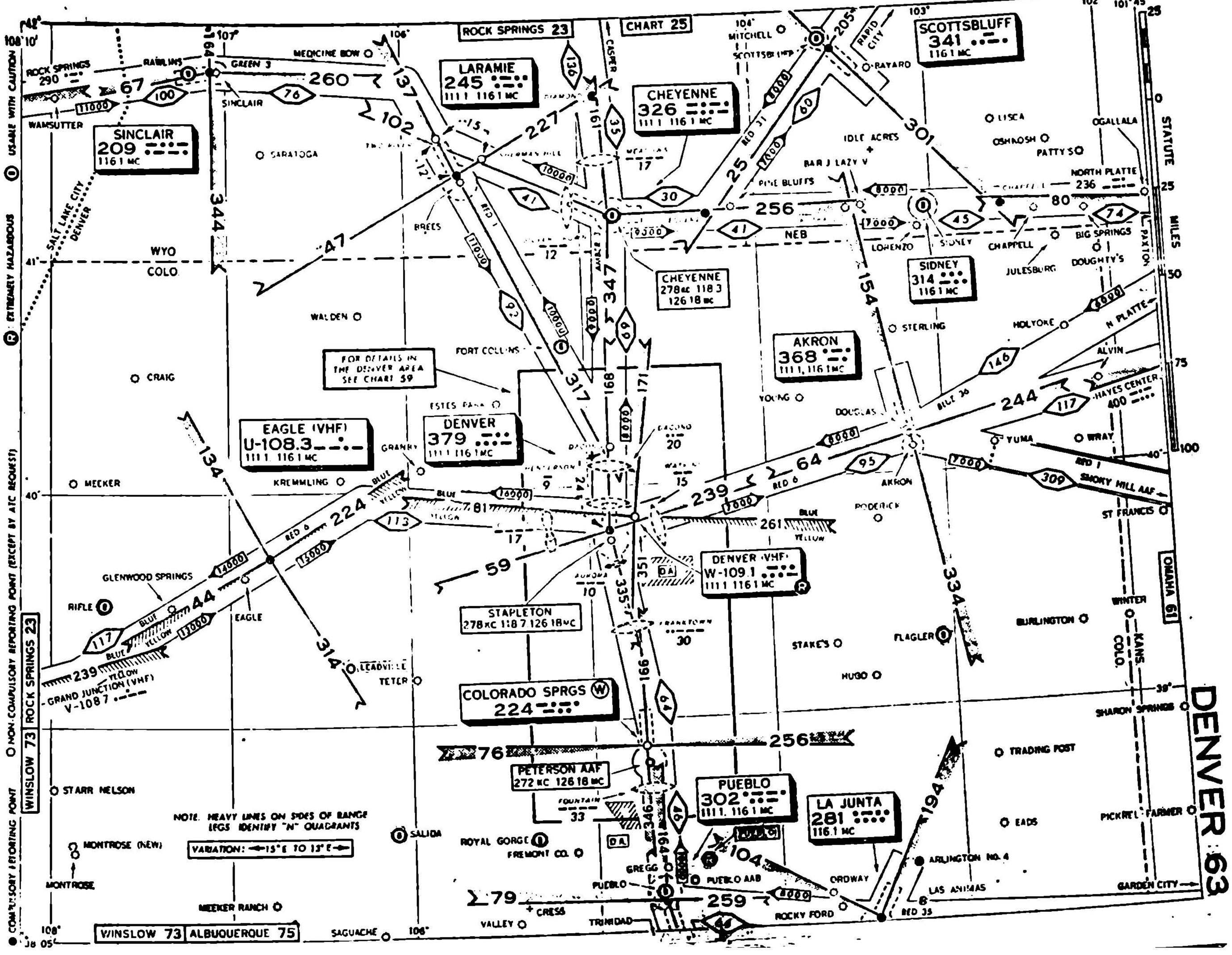
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
STAPLETON	110.3 ···—	335	206°	IM-	MM-·—·—(0.65) OM- ——(4.19)
					MMK-335 ···— OMK-359 —··
➤ CHEYENNE	110.3 ·—·—	335	262°	IM-	MM-·—·—(0.66) OM- ——(6.11)
					MMK-230 —·—· OMK-260 —·—·

NEW FACILITIES

Bar J Lazy V (Potter,Nebr)	5.3 SW;rd E	4550	27 S2	80 oct.
O'Conta (Wisc)	1.5 SW;bay E	590	36 S2	80 oct. P-line N. Data unver.
(P) Sterling (Colo.)	2.8 W;RR S	4020	34 S6	80 oct.
Pickrel-Farmer (Tribune, Kans)	1.3 SW;RR N	3550	17 S2	80 oct. Poles N,NE;bldgs
Kremmling (Colo)	0.9 E;hwy N	7410	27 S1	73 oct. Poles E E
Winter (Kanorado,Kans)	0.6 SE;RR N	3910	29 S2	80 oct. Pole NE. Elev NW. Use strips only.
Brees (Laramie,Wyo)	4 W	7270	63h R1 L5 S6	91,100 oct.
Sidney (Nebr.)	3 S;hwy N	4298	34 S1	80,91 oct. P-line N.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII) ➤ New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ROCK SPRINGS 23
CHART 25
SCOTTSBLUFF 341 1161 MC
LARAMIE 245 1111 1161 MC
CHEYENNE 326 1111 1161 MC
SINCLAIR 209 1161 MC
CHEYENNE 278 HC 1183 12618 MC
SIDNEY 314 1161 MC
AKRON 368 1111 1161 MC
EAGLE (VHF) U-108.3 1111 1161 MC
DENVER 379 1111 1161 MC
DENVER (VHF) W-109.1 1111 1161 MC
STAPLETON 278 HC 1187 12618 MC
COLORADO SPRGS 224
PETERSON AAF 272 HC 12618 MC
PUEBLO 302 1111 1161 MC
LA JUNTA 281 1161 MC
GRAND JUNCTION (VHF) V-1087
FOR DETAILS IN THE DENVER AREA SEE CHART 39
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 15°E TO 13°E
ROCK SPRINGS 290
WAMSUTTER
RAWLINS
GREEN 3
MEDICINE BOW
SINCLAIR
SARATOGA
SALT LAKE CITY DENVER
WYO
COLO
BREES
WALDEN
FORT COLLINS
CRAIG
ESTES PARK
GRANBY
KREMMLING
MECKER
GLENWOOD SPRINGS
RIFLE
EAGLE
LEADVILLE
TETER
STARR NELSON
MONTROSE (NEW)
MONTROSE
MEEKER RANCH
SALIDA
ROYAL GORGE
FREMONT CO
GREGG
PUEBLO
PUEBLO AAB
CRESS
VALLEY
TRINIDAD
SAGUACHE
WINSLOW 73
ALBUQUERQUE 75
MITCHELL
SCOTTSBLUFF
RAPID CITY
BAYARD
IDLE ACRES
BAR J LAZY V
PINE BLUFFS
LISCA
OSHKOSH
PATTY SO
OGALLALA
NORTH PLATTE
CHAPPELL
LODGEPOLE
LORENZO
SIDNEY
JULESBURG
BIG SPRINGS
DOUGHTY'S
STERLING
HOLYOKE
N PLATTE
ALVIN
HAYES CENTER
YUMA
WRAY
SMOKY HILL AAF
ST FRANCIS
YOUNG
DOUGLAS
AKRON
RODERICK
BURLINGTON
WINTER
KANS.
COLO.
STAKE'S
FLAGLER
HUGO
SHARON SPRINGS
TRADING POST
EADS
PICKRELL FARMER
ARLINGTON NO. 4
LAS ANIMAS
GARDEN CITY
ORDWAY
ROCKY FORD
AURORA
FRANKTOWN
FOUNTAIN
DENVER
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
PAXTON
OMAHA 61

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 220,39	Sacramento
BAY POINT FM	(-)	FM, 190, 24	Oakland
BELMONT FM	(. - -)	FM, 1070, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 1230, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT;210°,3.2	(3);4220,126.18
Fairfield-Suisun AAF (Army)	350(126.18)	CA(ILS-W)(GCA)	(4); 4220;126.18
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - - -)	FM, 1990, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ:1800,1.7	
➔ Hamilton Field	219 (126.18)+	CA◆ :53.13	(3);126.18.4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 2710, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA	(3); 126.18
Mather Army (H fac.)	4[illegible]6 (DIM)	H ; 216°,0.8	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 1230, 16	Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV,1990,0.2	(4);116.1,122.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-DTV	(3);116.1,122.1
Sacramento Airport	278 (126.18)	C; 220, 1.7	(4);122.5
SALINAS	266(SB)(vhf)	BMR[illegible]L-DTV:3100,2.4	(4);116.1,122.1
SAN FRANCISCO	227(SF)(111.1)	SBMRL[illegible]-DTV,2910,3.6	(3);122.1
SANTA ROSA NAAS			DECOMMISSIONED
SAUSALITO FM			DECOMMISSIONED
STOCKTON	212(JW)(vhf)	BMRL-DTV:2850,3.1	(4);116.1,122.1
NEW RADIO FACILITIES			
SALINAS	109.1(SB)(vhf)	BVAR	(4);116.1,122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
FAIRFIELD-SUISUN(L8)(A)	110.3	335	210°	IM- (0.68)	MM- • • • • • • (0.85)	OM- (4.6)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

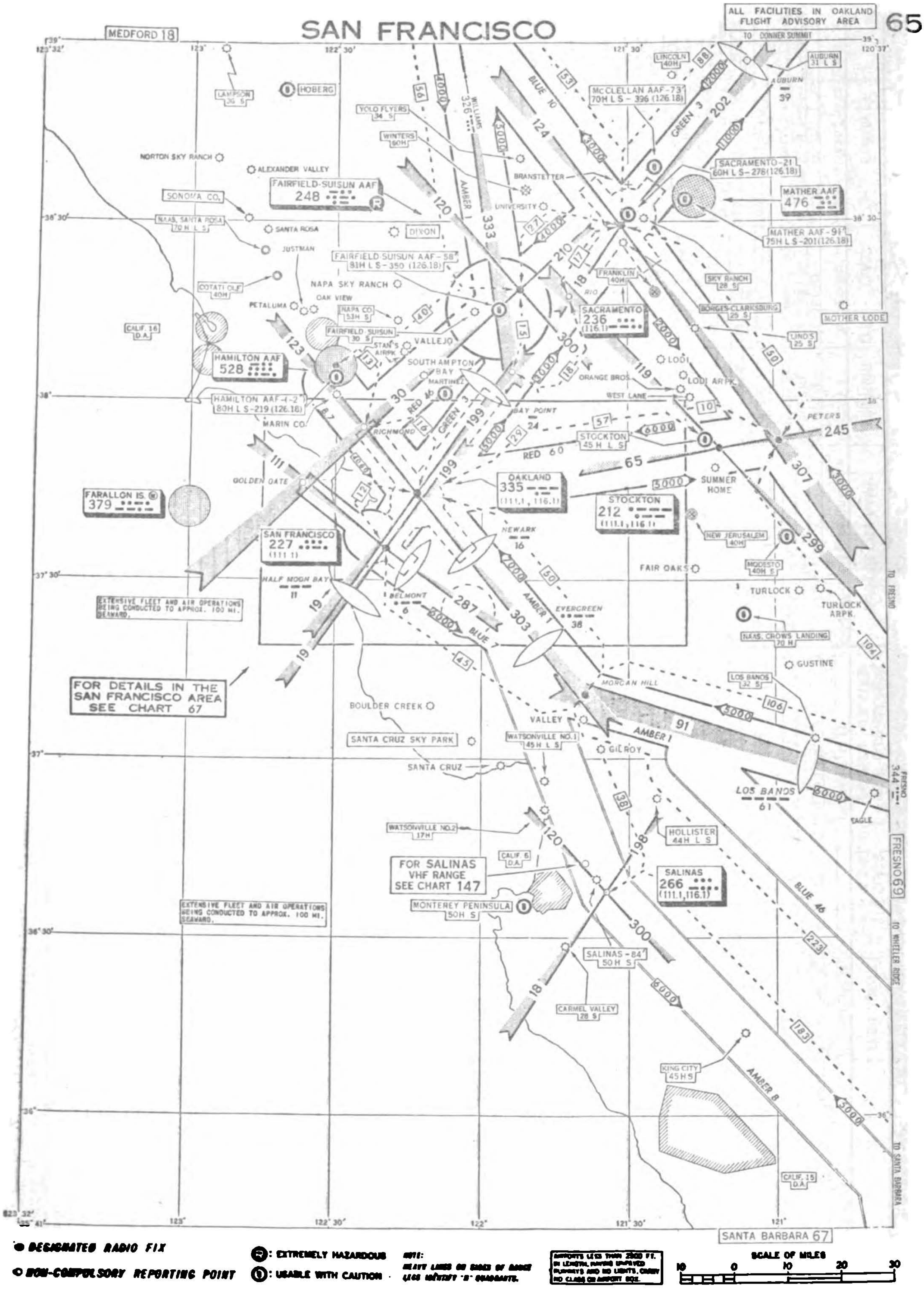
CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15 29 S1	Trees S.
American Legion(Salinas)	1.8 NNW			ABANDONED
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg	2.4 NNE,riv SE	15	27 S6	80 oct.E,SSE blkd.(Clarksburg)
➔ Boulder Creek(Calif.)	3 NW;rd W	810	29 S1	80oct.Lgt planes&exper.pilots only.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver[illegible]Sur by mtns.
Carmel Valley	12.5 ESE,riv S	450	19 S2	80 oct.
(N) Cotati OLF (N)	1.5 N,RR E	94	39h	Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	CLOSED
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.
Fairfield-Suisun	1 E,RR N	7	35 S6	80 oct.N,S,W,NW,SW blkd.
(A) Fairfield-Suisun AAF (A)	5.5 NE	58	81h R3(L6)S4	73,100 oct.FOREIGN CLEAR STN.
(A) Franklin (A)	5.5 SSE; riv E	21	40h	CLOSED
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	17 L S2	80 oct.No sto.Flare pots prior req
King City	1.5 NNE,RR W	370	45h L S6	80,91 oct. Obst lgts on req.
(P) Kingsbury (Lodi)	See Lodi under "New Airports" name changed.			
(P) Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.
(P) Lincoln	3.6 WNW;hwy S	120	40h S4	80 oct.
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.Poles E.
Lodi Airpark	4.5 SW;hwy E	25	28 S6	80 oct. P-line E.No sto.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE;bay E	2	22 S6	80 oct. Use N pattern.
Martinez	0.8 N,RR S	6	20 S6	80,91 oct.Hill W.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	91	75h R2 L5 S6	91,100 oct. No sto.
MODESTO	2.2 ESE,riv S	100	40h L5 S6	80,91 oct. TEMP INACT
(N) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L5 S6	80,91 oct. Lgts prior req.NO NAVY
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S. FAC.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	75	20 S6	80, 91 oct. Hwy W Flares req.
(A) New Jerusalem(Tracy)(A)	8.5 ESE	56	40h	River E. CLOSED prior req.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	25 S1	80 oct.Pole line WNW,ENE
Orange Bros. (Stockton)	5 N; RR E	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
Petaluma	1.7 N,RR E,W	30	18 S6	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct.
(P) SALINAS	2.5 SE,RR SW	84	50h R1 L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E;RR S	96	26 S6	80,91 oct.Trees NW,SW.
(P) Santa Rosa	See Sonoma Co. under "New Airports" - name changed.			
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h	INACTIVE.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S6	80,91 oct.Port rnwy lgts. NE,S,SW
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. blkd.
State Forestry(Davis)(NC)	3 E,hwy N	28	26	Power line W.
(P) STOCKTON	4 SSE,RR W,SW	28	45h R1 L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW;crk S	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct. Wire NE
Valley (Morgan Hill)	1.2 S,hwy E	240	17 S1	80 oct. P-line SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW;hwy E	125	23h	
West Lane(Stockton)	4.1 N,RR W	25	25 S6	80,91 oct.W blkd.Wire NW.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	98	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S6	80,91 oct, Port rnwy lgts. Poles E.
NEW AIRPORTS				
Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.
Santa Cruz Sky Park	5.3 N;hwy E	500	21h S6	80,91 oct. Trf.pat.S.
Turlock, (Calif.)	4 WSW;RR N	100	18 S1	80 oct.
Turlock Arpk, (Calif.)	1.5 SSE;hwy E	95	15 S2	73,80 oct.
(P) Sonoma Co. (Calif.)	7 NW;RR E	118	45h L5 S6	80,91,100 oct.Lgts on req.
Dixon (Calif.)	1.8 NNE;hwy NW	65	21 S2	80 oct.P-line N.Soft when wet.
Southampton Bay Air Harbor (Benecia,Calif.)	2.9 WNW;hwy E	10	24 S3	80 oct.Wires SSE.Soft when wet.
Fair Oaks Sky Nook(Fair Oaks,Calif.)	2.3 S;hwy,RR E	70	21 S4	80,91 oct.ENE blkd.
Gilroy (Calif.)	2 NW;rd E,N	240	25 S2	80 oct.NE,E,SE blkd.
(P) Lodi (Calif.)	6 WSW;RR NE	15	40h S6	80 oct.

RADIO: S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)-Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ★ - Guarded only when associated tower inoperative.

AIRPORTS: h-hard surfaced runways. L-Lighting facilities. S-Servicing (see page XIII)
➔ New or revised data. [Jones]-Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

SAN FRANCISCO



RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C (ILS-W)	(4);126.18,118.5,122.5
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
LEBEC FM	(- -)	FM; 141°, 42	Bakersfield
MOFFETT NAS(Mountain View)	3295	CN(GCA)	(3);126.18, 142.74
MOFFETT NAS (Navy)	323 (NUG)	BMRLZ; 320°, 1.9	(4);126.18,142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMHW;123°,16.0	(Cont.) Oakland
OAKLAND	335(OA)(vhf)	SBRAZ-DTXV	(4);116.1, 122.1
Oakland Airport	278(126.18,118.7)	AC(ILS)(GCA);199°,0.2	(4);126.18,118.7,122.5
PASO ROBLES	(108.7) (OB)	VARW	
POINT MUGU HAMTC	3295(142,74)	CN	3105,6210;142.74 (8-20)
SAN FRANCISCO	227(SF)(111.1)	SBMRLZ-DTV	(3);122.1
San Francisco Airport	269(126.18,118.9)	AC; 291°,3.6	(4);126.18,118.9,122.5
SAN FRANCISCO GAP	356 (F)	MHW;285°,10.0	(Cont.) San Francisco
SANTA BARBARA	(108.3)(OY)	BVAR	(4);116.1,122.1
→ SANTA BARBARA	320(OY)(vhf)	BMRLZ-DTV	(4);116.1,122.1
Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4);118.7,126.18,122.5,142.74
SAUSALITO FM			DECOMMISSIONED (6-22)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- • — • — (0.62)	OM- — — (4.71)	
					MMK-	OMK-	
OAKLAND	109.9	333.8	274°	IM- ····· (0.12)	MM-	OM- — — (2.00)	
					MMK-	OMK-	
				IM-	MM-	OM-	
					MMK-	OMK-	
				IM-	MM-	OM-	
					MMK-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116 1, 137.88, 140.58 mcs.

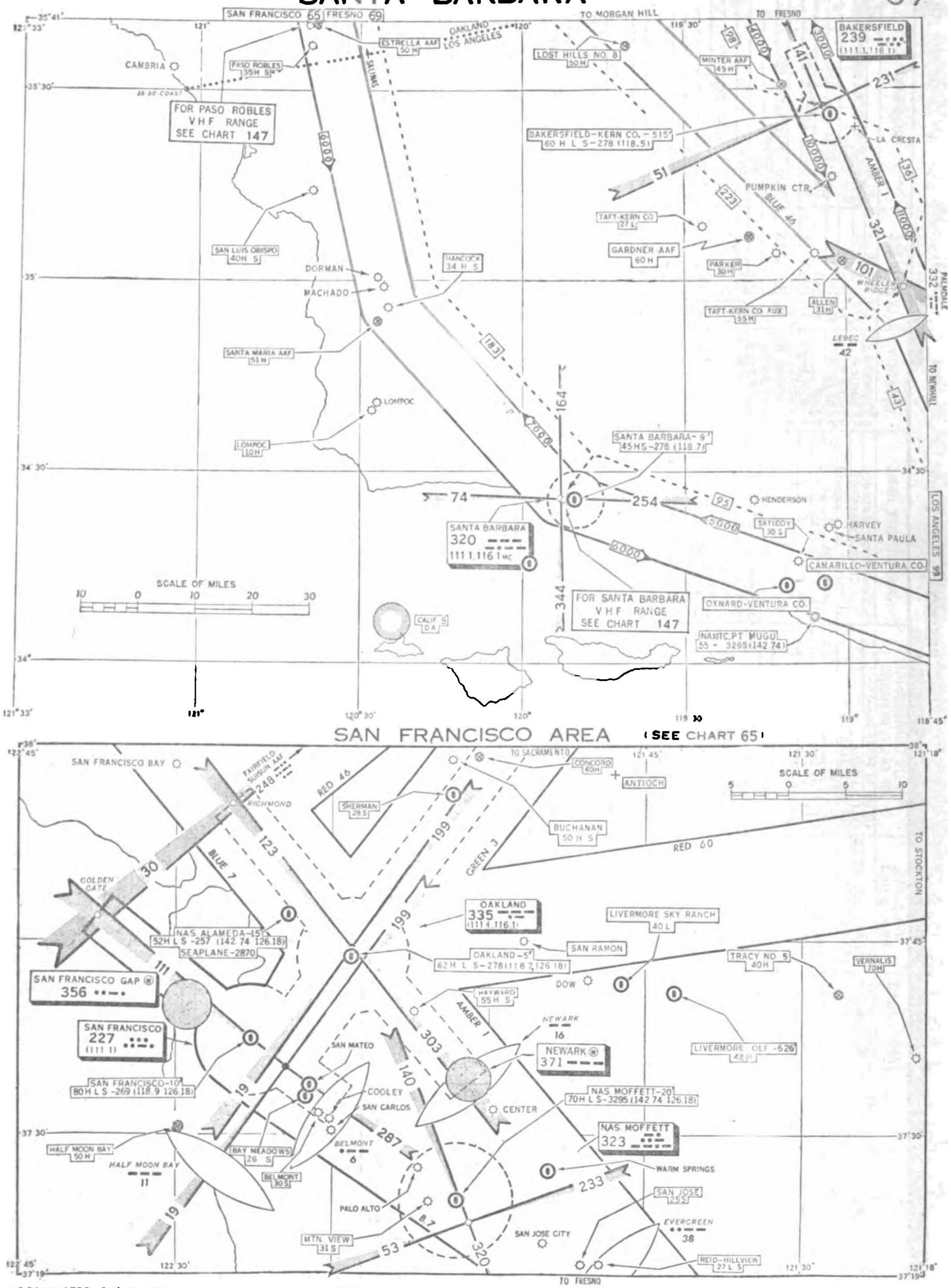
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay S,W	15	52h R1 L5 S6	91,100 oct.No sto. NATS
(A) Allen (Taft)(A)	26 ESE	500	31h	CLOSED
Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 S6	80,91 oct. P-line N.
Belmont	0.5 N,RR W	5	30 S6	80,91 oct.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
Concord	1.9 NE,hwy S	104	40h	CLOSED
Contra Costa Co. (Concord)	See Buchanan,Calif. under "New Arpts"-name changed			
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
(A) Estrella AAF(Paso Robles)(A)	4.5 NE	806	50h	CLOSED
(A) Gardner (Taft) AAF (A)	9 ESE,RR SE	444	60h	CLOSED
(A) Half Moon Bay (A)	5.5 NW;hwy E	36	50h	CLOSED (Lgts prior req.)
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W
(P) Hayward	2 WSW,RR W	25	55h L5 S6	80,91 oct.
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct.
				prior req.
La Cresta (Bakersfield)	2.5 NE,riv N	660	36h L S6	80,91 oct.Data unver. Flare pots
(N) Livermore OLF	3.7 E,RR N	626	43h	INACTIVE.
(N) Livermore Sky Ranch	2 WNW,hwy E	448	40 L2	
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	425	45h	CLOSED

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	75h R2 (L6) S4	91,100 oct.No sto. NATS NACA.
Mountain View	2.2 NW,RR W	57	28 S2	80 oct.
Oakland Mun.	5 S,hwy 2 NE	5	62h R3 L6 S6	80,91,100 oct.2-way rdo req.NATS (Hospital)
(P) Oxnard Flight Strip	See Camarillo-Ventura Co. under "New Airports" - name changed.			
Palo Alto	2 ENE,bay E	5	23 S6	80,91 oct.P-line NW,S.
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct. (Naval Air Missile
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-line E.CLOSED Test Center
Reid-Hillview (San Jose)	4 E,hwy N	140	27 L3 S6	80,91 oct.No bcn.NW blkd Data unver.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE;bay E	10	80h R2 L5 S6	80,91,100 oct. Rdo rqrd.
San Jose City (San Jose)	2 NW;RR SW	70	40 S6	80,91 oct.P-line SE
(P) San Luis Obispo	2 SSE;hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE;RR E	6	15 S6	80,91 oct.No sto. Hwy W. P-line SE
San Ramon	2.5 SE;Crk W	440	22 S1	80,91 oct. P-line SE
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Twr S.obst lgtd.
(P) Santa Maria	3.5 S,hwy E	258	51h	(No lgts after 10 p.m.
Santa Paula	0.8 S;riv S	240	21 L S6	80 oct.Port.strip lgts prior req.P-line
Saticoy	1.5 S;RR NW	80	21 S1	80 oct.Trees NE. ENE,WSW.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE;RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
(P) Tracy,mun	3.5 SSW;hwy NW	190	40h	
Ventura County (Oxnard)	See Oxnard-Ventura Co. under "New Airports" - name changed.			
(N) Vernalis NAAS (N)	2.3 S	207	70h	INACTIVE.
Warm Springs	2.3 SSE,RR W	100	23 S6	80 oct.
NEW AIRPORTS				
Dorman (Santa Maria)	4 N;RR SW	380	23 S1	80 oct.
Cooley (San Carlos)	2.9 NNW;RR W	6	20 S1	80,91 oct. Wire SE.Emerg.use.
Machado (Santa Maria)	2.2 N;RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E;rd W	125	25 L4 S6	80,91 oct.No bcn.
Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Buchanan (Concord,Calif.)	1.5 NW;hwy N,S	22	50h L S6	80,91 oct. Port lgts. Lgts prior req. (Calif) (Oxnard)
(P) Camarillo-Ventura Co(Oxnard)	5.5 E;RR S	84	50h	
OXNARD-VENTURA CO (Calif)	1 W;hwy E	44	46h L S6	80,91 oct.Port rnwy lgts prior req.
San Francisco Bay (San Rafael,Calif.)	1.5 ESE;RR SW	2	19 S1	80 oct.hill SW.
Center(Centerville,Calif.)	2.1 SSE	52	26 S6	80 oct.Wire WNW
Harvey Fld (Santa Paula,Calif.)	1.7 E;riv S	290	26 S1	80 oct.Trees E,W.
Dow (Livermore,Calif)	4 WNW;riv S	350	28 S1	80 oct.N blocked,hill NE.
Pumpkin Center Arpk (Bakersfield,Calif)	7 S;hwy S	350	20 S6	80 oct.P-lines SSE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

SANTA BARBARA



SAN FRANCISCO AREA (SEE CHART 65)

● DESIGNATED RADIO FIX

Q NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES OR SIDES OF RADIALS LEGS INDICATE "B" BOUNDARIES.

AIRPORTS LESS THAN 2500 FT. OR LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS OR AIRPORT SYM.

R. EXTREMELY HAZARDOUS

B: USABLE WITH CAUTION

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARMITAGE OLF (Inyokern)	3295 (142.74)	CN	(3);126.18,142.74 (days)
BAKERSFIELD (Kern County)	239(BD)(vhf)	SBMRAZ-DTV;141°,1.5	(3);116.1,122.1
Bakersfield Kern Co.	278 (118.5)	C(ILS-W)	(4); 126.18,118.5,122.5
CASTLE FIELD (Merced)	396 (126.18)	CA	(3); 126.18
→ DONNER SUMMIT	385(DS)(vhf)	BMRL-DTV	(4);116.1,122.1
FRESNO (Fresno-Chandler)	344(FT)(116.1)	SBRAZ-DTV;23°,0.9	(4);116.1
INYOKERN-FM (Navy)	(-)	FM,254°,6.7	Inyokern
TRONA			DECOMMISSIONED

NEVADA

FALLON	230 (VA)	SRAWZ; 219°, 2.9	
GABBS (Int.)			DECOMMISSIONED
HUBBARD FLD (Reno)	278	CI	(4) (8-16 Mon,Tues,Thurs,Fri; 5-20 Wed,Sat,Sun,)
RENO (Hubbard)	254 (RP)(116.1)	SBRAZ-DTV,161°,3.3	(4); 116.1
TONOPAH (AAF)	221 (RY)+	SRAWZ;168°,2.6	
WADSWORTH FM	(-)	FM, 48°, 27	Reno.
[redacted]			
INYOKERN(Armitage)(Cal.)	323(NID)	(MRLWZ;169°,4.1	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD KERN CO.	109.9	333.8	300°	IM-	MM- • — • — (0.62)	OM- — — (4.71)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + —Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct. No sto. Pole line NNW, SSE. Port rnwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W; 75' twr E.
Allen (Taft)	26 ESE	500	31h	
(N) Armitage OLF (Inyokern)(N)	8 ENE	2218	90h R2 L5 S1	91,100 oct. CLOSED
(P) BAKERSFIELD-KERN CO. (Bakersfield)	4.4 NNW;RR W	515	60h R3 L5 S6	80,91,100 oct.
Big Pine	3.4 ESE;RR W	4000	43	1500' mts SE; 1000' mts E.
(P) Bishop	2 ENE;riv E	4121	75h	
Boston Land Co.(Westhaven)	1.7 SSW;hwy N			ABANDONED.
Bryant (Bridgeport) (NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N; RR W	310	19 S6	80 oct. Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	185	70h R1 L5 S6	91,100 oct. JP-1.
Coalinga	1.5 N;hwy E	664	56h S4	80,91 oct.Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;hwy S	200	37 S4	80,91 oct.Pwrline NE,SE,SW,NW.
Cornell (Porterville) (NC)	2.4 SSW;RR E			ABANDONED.
Death Valley (Furnace Creek)	See Furnace Creek under "New Airports" - name changed.			
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
(P) Delano-Kern Co(Delano)	1.5 SE;RR W	315	60h S1	80,91 oct.
FRESNO-CHANDLER(Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct.
(A) Gardner (Taft) AAF (A)	9 ESE;RR SE	444	60h	CLOSED.
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	29 S6	80,91 oct.P-line NW.Trees SE.
(P) Hammer (Fresno)	4.8 NE;rds N,E	331	71h	
Hanford	1.2 SE;hwy W	246	21 S6	80,91 oct.
Harvey (Corcoran)	See Baldwin under "New Airports" - name changed.			
Independence	0.9 N;hwy W	3926	29	Trees S.
(P) Inyo County (Manzanar)	0.5 E;hwy W	3775	50h L5 S2	80 oct. All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW;RR E	2455	72h S4	NATS
NEW AIRPORTS				
Furnace Creek (Calif.)	0.5 N	-178	34 S2	80,91 oct.
Mountain View (Porterville,Calif)	1.7 WSW;riv 1 N	435	26 S4	80 oct.P-line E.
Pumpkin Ctr Arpk (Bakersfield)	7 S;hwy S	350	20 S6	80 oct.P-lines SSE.(Calif)

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Kleinhammer (Lemoore)	1.2 N;hwys S	225	16 S6	80 oct.
La Cresta (Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct.Data unver.Flare pots prior req.
(P) Lemoore	9 SW;RR NW	247	33h	Emerg only.
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	CLOSED.
Madera	3.5 WNW;hwy E	271	45h L5 S4	80,100 oct. Lgts prior req.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) MERCED MUN.	1.6 WSW;RR NE	152	40h L5 S6	80,91 oct. Lgts prior req.
Merced #1	2.5 NW;RR SW			ABANDONED
(A) Minter (Bakersfield) (A)	13.5 NW;hwy E	425	45h	CLOSED.
(N) Mojave NAS (N)	0.7 E;hwy W	2751	59h	CLOSED.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USFS (NC)
Newton (Stratford)	2.7 SSW;hwy NW	194	22 S6	80,91 oct. P-line NNW.
Paiva Intercity (Parlier)	1.5 WSW;RR NE	330	27 S4	80 oct. Poles ESE
Parker (Taft)	15 SE	550	30h	
Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S6	80 oct.
(P) Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
Sequoia (Visalia) (NC)	8.5 NNW;RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RR adj E	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28	CLOSED.
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N;RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USFS (NC)
Trona	5 NE;rd W	1716	60 L3	Fld sur by mtns.
★ Truckee Int, 16B, SF-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec. - April.
Tulare	2.9 SSE;RR W	300	20 L S6	80,91 oct. No sto.Port rnwy lgts.
Tunnel (Olancha) USFS (NC)	16.5 WNW;riv S	9100	18	Mtns - timber 2000' NE Closed to Public
(P) VISALIA	.5 W; RR W	292	60h	
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S Cln-cattle on fld.
→ Wishon (Bass Lake) USFS	1.5 WNW	3380	22 S1	80 oct. Trees NNW.
Woodlake	2.6 ESE;lake NW	450	40 S4	80 oct. No sto.

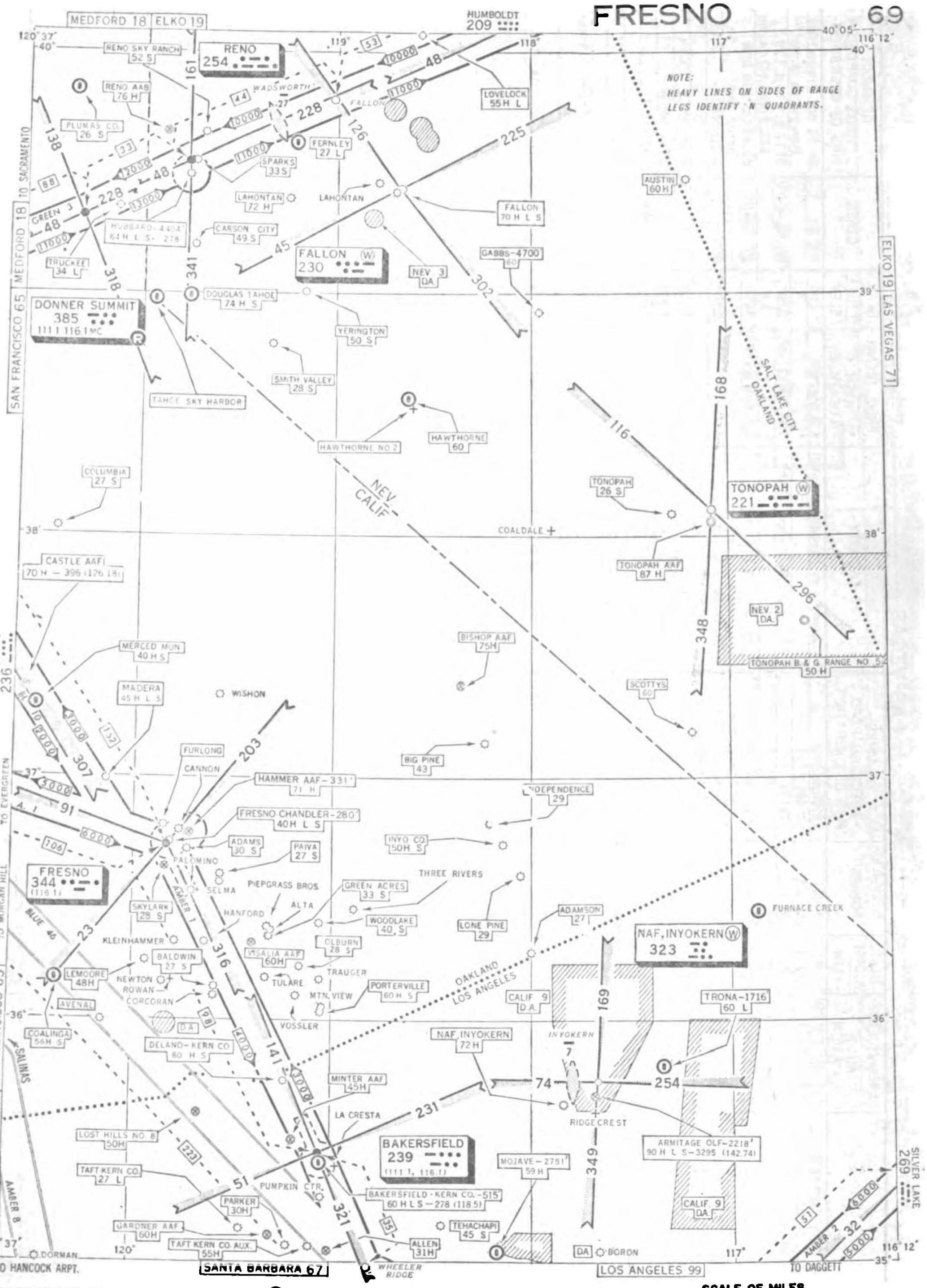
NEVADA

Austin OLF	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct. Mtns N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h L5 S6	80,91 oct.
★ Fernley Int, 22, SF-SL	3.3 E;hwy NW	4156	27 L2	
(N) Fallon	6 SE;hwy S	3931	70h L5 S4	80,91 oct.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60	
(N) Hawthorne (N)	2 N;lake NNW	4200	60 L	Emerg. lgtg on 1/2 hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	84h R2 L5 S4	80,91,100 oct.
Lahontan (Fallon)	1.4SSW;hwy W	3980	24 S4	80 oct. Poles ENE,WSW.Hwy W
(P) Lahontan Flight Strip(Fernley)	15.5 S;hwy N	4279	72h	
Lovelock, Site 26, SF-SL	9 SSW;RR NW	3906	55h L5	
Manhattan (NC)	6.8 W;hwy W	5850	44	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	Mtns sur fld. CLOSED.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
★ Scottys Int, 22, RV-ND	9 SSE Gold Pt.	4300	60	
Smith Valley	1 ESE;hwy N	4850	28 S6	73, 80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
Tahoe Sky Harbor (Zepher Cove)	3.5 S;lk W	6230	42 S1	80 oct. E blk.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5426	87h	TMP INAC NO FACS.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;hwy S.	4483	50 S1	73 oct.

NEW AIRPORTS

Hawthorne No. 2, (Nev.)	NE city limits	4200	27 S1	80 oct.Hi-line S.Data unver.
Alta (Dinuba,Calif.)	4.3 E;RR S	360	23 S6	80 oct.P-line SE.
Selma (Calif.)	2.6 E;rd N	315	25 S4	80 oct.No sto.P-line NW
Palomino (Selma,Calif.)	6.5 WSW;RR W	267	18 S2	80 oct.Fence,trees W.
Baldwin (Corcoran,Calif)	2.7 NNW;RR W	200	27	
Three Rivers (Calif.)	2.2 NNE;riv W	850	20	Trees SE,hill NW.
Avenal (Calif)	0.3 W;hwy NE	790	32 S2	80 oct.Poles E.
Trauger (Strathmore,Calif)	1.1 NNE;RR E	425	20h S4	80 oct.
Rowan (Stratford,Calif)	1.5 SE	198		Data unver.
Coaldale (Nev.)	0.5 S;hwy jct.	4646	30 S2	80,91 oct.Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xIII)NC-(not charted). → NEW OR REVISED DATA

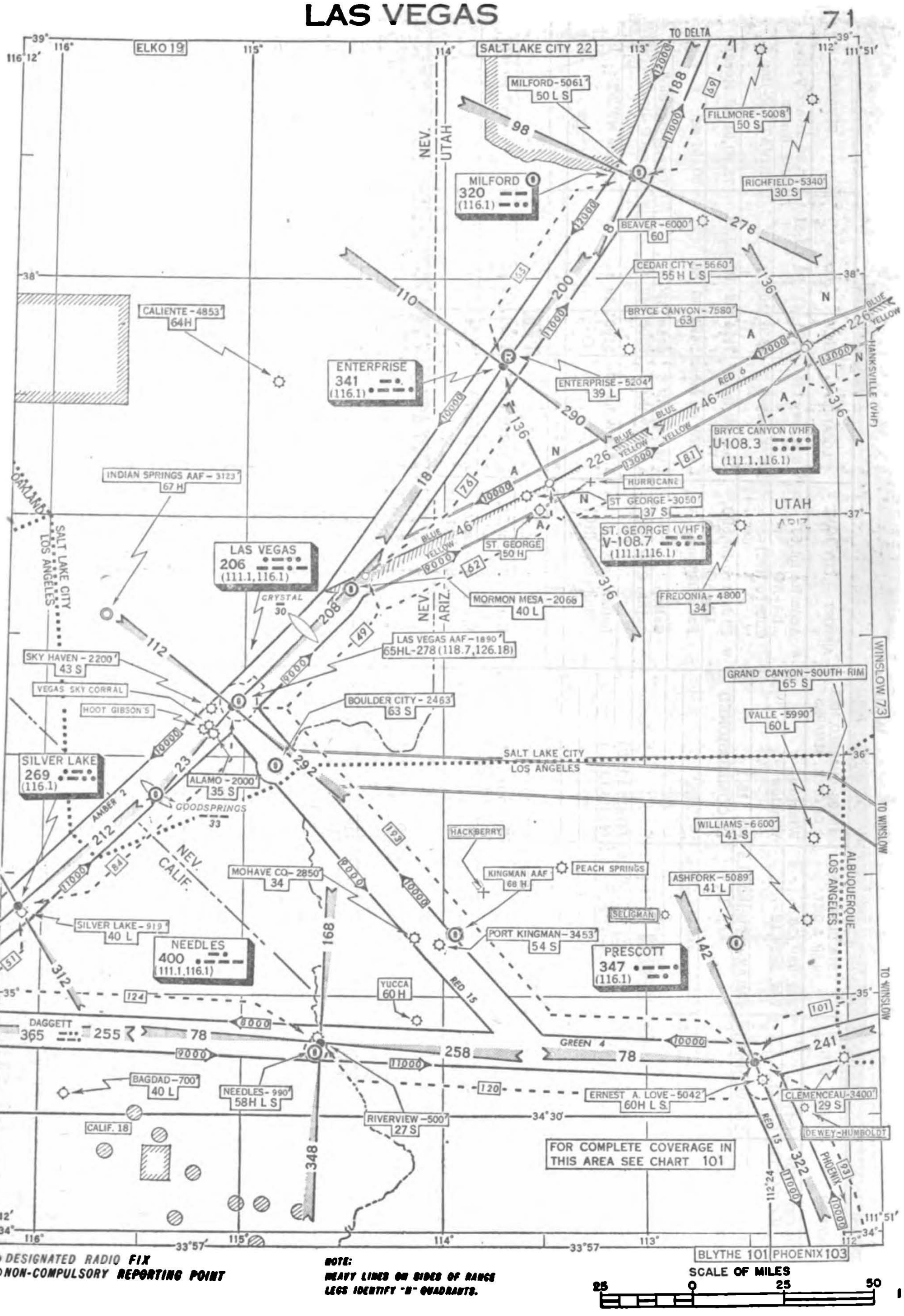

MEDFORD 18 ELKO 19
HUMBOLDT 209
RENO 254
RENO SKY RANCH 52 S
RENO AAB 76 H
PLUMAS CO. 26 S
WADSWORTH
FALLON
LOVELOCK 55 H L
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.
FERNLEY 27 L
SPARKS 33 S
LAHONTAN 72 H
LAHONTAN
FALLON 70 H L S
AUSTIN 60 H
HUBBARD-4404' 64 H L S-278
CARSON CITY 49 S
TRUCKEE 34 L
FALLON (W) 230
NEV 3 DA
GABBS-4700 60
DONNER SUMMIT 385 111 I 116.1 MC
DOUGLAS TAHOE 74 H S
YERINGTON 50 S
SMITH VALLEY 28 S
TAHOE SKY HARBOR
HAWTHORNE NO 2
HAWTHORNE 60
NEV CALIF
COLUMBIA 27 S
TONOPAH 26 S
TONOPAH (W) 221
COALDALE
TONOPAH AAF 87 H
CASTLE AAF 70 H — 396 (126.18)
NEV 2 DA
TONOPAH B. & G. RANGE NO. 5 50 H
SALT LAKE CITY OAKLAND
SACRAMENTO 236
MERCED MUN 40 H S
MADERA 45 H L S
WISHON
BISHOP AAF 75H
SCOTTYS 60
BIG PINE 43
FURLONG
CANNON
HAMMER AAF-331' 71 H
INDEPENDENCE 29
FRESNO CHANDLER-280' 40 H L S
ADAMS 30 S
PAIVA 27 S
PALOMINO
INYO CO. 50H S
FRESNO 344 (116 I)
SELMA
PIEPGRASS BROS.
THREE RIVERS
GREEN ACRES 33 S
SKYLARK 28 S
HANFORD
ALTA
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
FURNACE CREEK
KLEINHAMMER
OLBURN 28 S
VISALIA AAF 60H
NAF, INYOKERN (W) 323
BALDWIN 27 S
LEMOORE 48H
NEWTON
ROWAN
CORCORAN
TRAUGER
TULARE
MTN. VIEW
PORTERVILLE 60 H S
CALIF 9 D.A.
TRONA-1716' 60 L
AVENAL
VOSSLER
COALINGA 56H S
DELANO-KERN CO. 60 H S
NAF, INYOKERN 72H
INYOKERN
MINTER AAF 45H
LA CRESTA
RIDGECREST
LOST HILLS NO. 8 50H
BAKERSFIELD 239 (111 I, 116 I)
ARMITAGE OLF-2218' 90 H L S-3295 (142.74)
TAFT-KERN CO. 27 L
PUMPKIN CTR.
MOJAVE-2751' 59 H
BAKERSFIELD-KERN CO.-515' 60 H L S-278 (118.5)
CALIF. 9 D.A.
PARKER 30H
GARDNER AAF 60H
TEHACHAPI 45 S
TAFT-KERN CO. AUX. 55H
ALLEN 31H
DORMAN
WHEELER RIDGE
BORON
SILVER LAKE 269
TO HANCOCK ARPT.
SANTA BARBARA 67
LOS ANGELES 99
TO DAGGETT
TO MORGAN HILL
TO EVERGREEN
SAN FRANCISCO 65
SAN FRANCISCO 67
SANTA BARBARA 67
SALINAS
OAKLAND LOS ANGELES
AMBER 1
AMBER 2
AMBER 8
BLUE 46
A-1
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
D: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Alamo (Las Vegas, Nev)	5.5 SSW;RR SW	2000	50 S4	73,80,91 oct.
★ Ashfork Int,36A, LA-AQ	4.3 W;RR S	5089	41 L2	(Ariz)
Bagdad Int,16,LA-AQ	1 S;RR N	700	40 L3	(Calif)
Beaver (Utah)	3.2 SSW;hwy E	6000	63	Hills SE.
[Boulder City] (Nev)	1.8 SW;RR W	2463	63 L1 S4	80,73 oct. by truck; 91 oct. for airlines.
BRYCE CANYON Range (Int) (Utah)	108.3(BV)(vhf)	35°,0.8	BVAR-DPTV	3117.5;122.1,116.1, 129.7 cont.; 4495, 6210 on req.
★ Bryce Canyon Int,45, LA-DV (Utah)	5 N;hwy S	7580	63 L3 S2	No fuel.
Caliente Flight Strip (Nev)	19 W;hwy N	4853	64h	
[Cedar City] (Utah)	2.3 NW;hwy W	5660	55h L2 S6	80,91 oct.
(P) Clemenceau (Cottonwood, Ariz)	1.7 SSW;hwy NE;RR bed N	3400	27 L1 S6	80 oct. Smokestack 4000' SE. Sur by mtns
Dewey-Humboldt (Ariz)	1 E	4265	29	
ENTERPRISE Range (Int) (Utah)	341(NP)(116.1)	20°,3.1	SBMRAZ-DTV	(4); 116.1 (Utah)
★ Enterprise Int,39,LA-SL (Utah)	8 NNE;hwy 1 N	5204	39 L3	Soft when wet. Unsafe for lgt acft.
(P) Ernest A. Love (Prescott, Ariz)	8 NE;RR E	5042	60h L5 S6	80,91,100 oct.
Fillmore (Utah)	2 WSW;hwy SE	5008	50 S2	80 oct.
(P) Fredonia (Ariz)	1 NE;hwy W	4800	34	
Grand Canyon-South Rim (Grand Canyon, Ariz)	14.3 S;hwy 2 W	6362	53 S2	80 oct. Trees SW.
Hackberry (Ariz)	6.4 NW		60h	Data unver.
Hoot Gibson's DC4 Ranch (Las Vegas, Nev)	5.5 SW;RR E	2200	24	Mtns WSW,ENE,E.
Hurricane (Utah)	2 S	3400	25	Obsts E. Data unver.
(A) Indian Springs (Nev) (A)	2 WNW	3123	67h	CLOSED.
(A) Kingman AAF (Ariz)(A)	8.5 NE;hwy NW	3446	68h	CLOSED.
LAS VEGAS Range (Nev)	206(LQ)(vhf)	34°,1.9	SBMRAZ-DTV	(3); 116.1, 122.1
(A)[Las Vegas] (Nev)	7.8 NE;hwy NW	1890	65h L6 S1	100 oct. ARMY TEMP INACT.
→MILFORD Range (Utah)	320(MD)(116.1)	20°,1.0	BMRLZ-DTV	(4); 116.1
Milford,45,LA-SL (Utah)	2.3 NNW;hwy E	5061	37 L3 S2	80 oct.
Mohave Co.(Kingman,Ariz)	6.5 NW;hwy E	2850	37	Not maintained.
★ Mormon Mesa Int,31B,LA-SL (Nev)	6 ENE of Glendale	2068	40 L3	
NEEDLES Range (Calif)	400(NJ)(vhf)	195°, 2.2	BMRLZ-DTV	(4); 116.1, 122.1
Needles (Calif)	1 S;RR N	700	40 L3	
Pahranagat (Alamo, Nev)	0.7 W;hwy E	4300	26	(NC)
Peach Springs (Ariz)	1.2 N;hwy SE	4825	23	P-line ESE,SW.
Port Kingman (Kingman, Ariz)	3 NE;RR S,E	3453	54 L3 S6	80,91 oct. All lgts prior req. S blkd.
PRESCOTT Range (Love) (Ariz)	347(PN)(116.1)	142°, 5.5	SBRAZ-DTV	(4); 116.1
Richfield (Utah)	1.8 SSW;RR E	5340	31 S6	80 oct. P-line SE,NW
Riverview (Needles, Calif)	1.4 S;riv N	500	27 S1	80,91 oct. Trees NNE Rnwy data unver.
ST.GEORGE Range (Utah)	108.7(GX)(vhf)	229°, 7.8	BVAR-DPV	3117 5: 116.1.129.7. 122.1 cont.(3) on req
St. George (Utah)	1.5 SSW;riv SSE	3050	37 L3 S6	80,91 oct. Fld lgts prior req.
★ St. George Int,36,LA-DV (Utah)	6 SE	2887	50h	Hills NNE.
Searchlight Landing Strip	10.8 SSE;hwy E	2536	40	(Nev) (NC)
Seligman (Ariz)	2 NW;RR S	5300	54	Tree WNW.
SILVER LAKE Range (Int) (Calif)	269(RL)(116.1)	132°, 1.9	SBMRAZ-DTV	(4); 116.1
★ Silver Lake Int,18,LA-SL	2.5 SSE;RR E	919	40 L3	(Calif)
Sky Haven (Las Vegas,Nev)	3.3 NW;hwy W	2200	43 S4	80,91 oct.
(P) Valle (Ariz)	2.3 E;hwy E	5990	61 L3	Lts prior req. Soft when wet.
Wickenburg (Ariz)	3 NW;hwy W	2300	32	
Williams (Ariz)	4.3 N;RR E	6600	39 S6	80,91 oct. Mtns SW.
(P) Yucca (Ariz)	1.5 NE;RR W	2030	60h	

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) ★ – Guarded only when associated tower inoperative.

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) →New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

LAS VEGAS



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.

SCALE OF MILES
25 0 25 50

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM	(- - -)	FM, 243°,18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-DTV:160°,1.5	(4), 116.1
Winslow Airport			DECOMMISSIONED
ARIZONA			
ACOMITA (Int.)	371(AK)(116.1)	BMLZ-DTV,254°,1.9	(4);116.1,122.1
EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-DTV,78°.0.1	(4);116.1,122.1
UTAH			
HANKSVILLE Int	109.1(HY)(vhf) (116.1)	BVAR-DPV;314°,2.8	(3) on req,3117.5;116.1, 129.7,122.1

S-Simul. Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1.8 NE;riv 1 S	4200	40 S1	80 oct Rough.Not maintained.
★ Deep Lake Int,54A, LA-AQ	0.5 W	6070	35 L3	Poles S. Emerg. only.
Holbrook	2.2 NNE;RR SE	5200	43 S3	80 oct.
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L5	no flood lgts
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S6	80 oct.
Saunders, Harry A. (St. Johns)	See St.John under "New Airports" - name changed.			
Window Rock(NC) (St.Michaels)	2 ESE	6800	52	NE appch hazardous
(P) WINSLOW	2 SW;RR N	4937	75h R1 L5 S4	80,91 oct.No flood lgts.

COLORADO

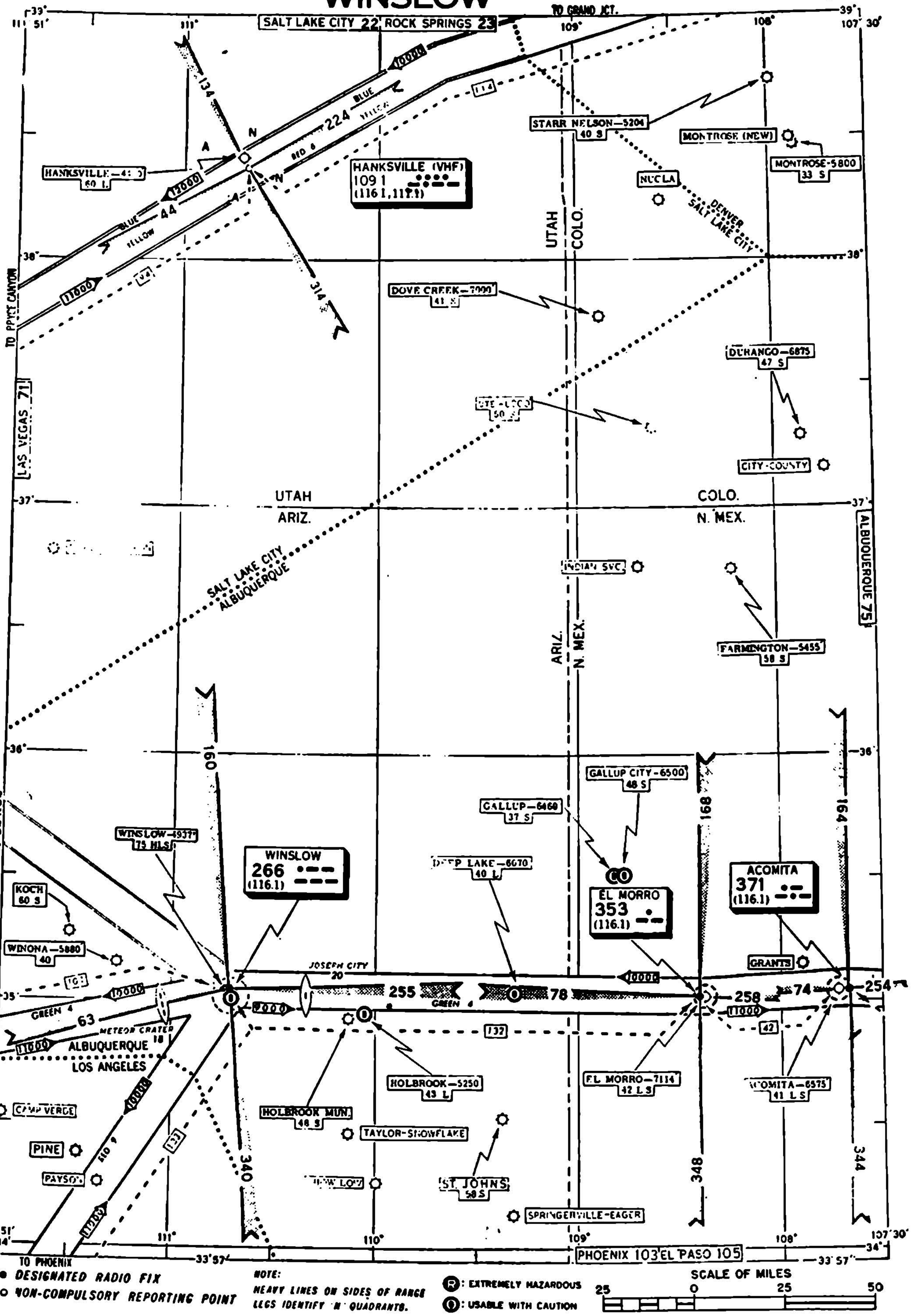
(P) Cortez	See Ute under "New Airports" - name changed.			
Dove Creek	0.6 E;hwy S	7000	41 S2	80 oct. P-line SW.
(P) Durango	1.5 NE	6875	47 S2	80 oct. Mtn E
Mancos (NC)	1.4 NNE;RR 1 S	7500	30	Cattle on fld.
Montrose	1.3 S,RR NE	5800	33 S4	80 oct. CLOSED.
(P) Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page IX) (NC) Not charted. → NEW OR REVISED DATA.

NEW MEXICO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy 1 N	6575	41 R1 L3 S1	73,80,91 oct.P-line NNE.Rough.
Cubero (NC)	2.4 W;hwy S	6192	30	PRIVATE.P-line S.
★ El Morro Int,59B, LA-AQ	4.5 WSW;lk 1 WSW	7114	42 R1 L3 S1	73,80,91 oct. Rough.
Farmington	1.4 NW on mesa	5495	80 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Twr,p-line SSW.
Gallup City	2.6 WSW;RR N	6500	48 S6	80 oct P-line SW,WSW, NW,SE.
Indian Service (Shiprock) (NC)	1.6 SSW;hwy W	5100	29	P-line NW,SW
UTAH				
★ Hanksville Int,54, LA-DV	3.5 NNE;riv S	4480	63 L3	Ngt landings on lgtd E/W strip only.
Monument Valley (Goulding Trading Post)(NC)	0.5 N hwy E	5284	30	
NEW AIRPORTS				
Montrose (new)(Colo)	1.5 NNW;hwy S	5780	58 S6	80,91 oct.P-lines ESE,SE
Nucla, (Colo.)	2.3 SSW;riv S	5910	36	
Aztec, (N.M.) (NC)	2.2 NW on mesa	5700	28	Emerg only.
CITY-CO. (Durango, Colo.)	10.6 SSE;riv NW	6660	54 S1	91 oct.
Show Low,(Ariz.)	2 ENE;hwy S	6400	45 S4	80,91 oct.
Marble Canyon (Cameron,Ariz)	66 NNW;riv E	3580	37 S4	80 oct.NE appch hazardous.
Camp Verde (Ariz)	1.6 SSE;rd N	3100	42	Emerg. use only.
Payson (Ariz)	2 NNW;cyn N	5077	31	Trees E.Soft when wet.
(P)Ute (Cortez,Colo)	3.1 SW;hwy E	5915	54 S6	80 oct.Mtn W,E.
Taylor-Snowflake (Taylor,Ariz)	2 W;rd N	5640	26 S2	80 oct.Poles SSE,NNW.
Grants Landing Strip (N.M.)	2.3 W;RR 1 NE	6600	28	Loose sand in spots.
Winona (Ariz)	8.9 ESE;hwy N	5880	40	
Springerville-Eager	1.5 W	7000	37 S1	80 oct.
Pine (Ariz) (Ariz)	0.8 S;crk NE	5500	25	Trees block N.
St.Johns (Ariz)	1.1 NNW;hwy S	5560	58 S6	80 oct.P-line SE;fence sur fld

WINSLOW



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'M' QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS

Ⓠ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

ALBUQUERQUE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS, FREQS. GUARDED, HRS. OF OPERATION
★ Adrian Int,92B,LA-AQ	4.2 SSE;RR N	4136	37 L3	(Texas)
Alameda (Albuquerque)	7.4 N;RR E	5400	37	(N.M.)
Alamosa (Colo)	2 S;hwy W	7550	58 L3 S4	80 oct.Fld lgts prior req.
ALBUQUERQUE Range (Kirtland)(N.M.)	230(AB)(vhf).	354°,3.1	SBRAZ-DTV	(3);116.1,122.1
Albuquerque (N.M)	6.3 ESE;hwy N	5429	62	RFC surplus acft fld.
AMARILLO Range (Tex) (English)	251(AQ)(vhf)	77°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Amarillo (Tex)	6 ENE; hwy S	3610	52 S6	80,91 oct.P-line sur fld
★ Anton Chico Int,78A,LA-AQ	4.5 SE;hwy E	5281	43 L3	(N.M)
Art Goebel (Belen,N.M.)	3.2 W;RR E	5100	39 S1	80,91 oct.
Belen Air Strip (N.M.)	2.7N; RR E	5000	30 S1	73 oct.
Bobcat (Dimmit,Tex)	1.5 E;RR W	3850	33 S2	73 oct.
Boise City (Okla)	3 N;hwy W	4200	33	
Clayton (N.M.)	1.5 E; RR N	5006	42 S4	73 oct. P-line N,W
Claude (Tex)	1.2 WNW;RR N	3410	32 S1	80 oct.P-line N,SE,S,W,NW.
Clover (Hereford, Tex)	2.2 NNE;hwy S	3800	28 S2	73 oct.P-line N,E,SE.
➢CLOVIS Army Range (N.M.)				DECOMMISSIONED
CLOVIS H Fac. (N.M.)				DECOMMISSIONED
➢CLOVIS AAF Tower (N.M.)	396 (126.18)		CA	DECOMMISSIONED
(A) Clovis AAF (N.M.)(A)	6.5 W;RR N	4300	100h	TMP INACT.NO FACS.
Clovis (N.M.)	0.8 NW;RR S	4247	26	
Cochran Co.(Morton,Tex)	1.5 E;rd W	3750	30	P-line E,S.
Costilla Co.(Mesita,Colo)	4 E;RR W	7750	75	
Creede (Colo)	2 SSE;hwy NW	8800	50 S2	No fuel.Rough off strips
(P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	60h L2	(N.M.) Data unver
★ Cuero Int,81B,LA-AQ(N.M)	5 N	4734	40 L3	Poles W,lgtd
Cutter-Carr #2 (Albuquerque, N.M.)	3.6 NE;RR W	5120	46	P-line ENE.
Dalhart (Tex)	6.2 SSE;RR E			ABANDONED
Dalhart Mun. (Tex)	3.8 SSW;RR N	3989	49h	
(A) Dalhart #1 (Tex) (A)	9.7 WSW;RR E	4096	81h	CLOSED-NOT MAINT.
(A) Dalhart #2 (Tex) (A)	5.5 NE;hwy NW	3974	80h	CLOSED-NOT MAINT
(P) Dumas (Tex)	0.7 S;hwy W	3649	30 L S2	73 oct.Poles N.Flood
Eagle Nest Landing Strip (N.M.)	1 NE	8450	40	11,000'mts NE. lgts. Use in emerg.
ENGLISH Tower (Tex)	278 (118.5, 126,18)		AC (ILS)	(4); 126.18,118.5, 122.5
(A) [English](Amarillo,Tex)	9 ENE;RR N	3604	50h L6 S2	80, 91 oct.;100 oct. Army.P-line N,NW.
(P) Ft. Sumner (N.M.)	1.5 NE;RR S	4166	60h S6	80 oct.
Ft. Sumner #5 (N.M.)	16 ENE	4830	60h	
Graham-Bell (Albuqu'que)	4.5 ENE	5400	27 S6	73,91 oct. (N.M.)
Griffin (Walsh, Colo)	0.7 N;RR S	3950	34 S6	80 oct.Poles S,N.
Gruver (Tex)	0.7 WNW;RR E	3200	40 S1	80 oct.P-line W,E,SE,
(P) Guymon (new)(Okla)	3 SW;hwy N	3140	34 S6	80 oct.P-line N, SW, E
Guymon (Okla)	0.7 S;RR W	3130	21	CLOSED.
(P) Hale Co.(Plainview,Tex)	1.6 S;hwy E	3370	37 S6	80, 91 oct.
Harnagel (Borger,Tex)	2.5 SSW;RR N	3140	25 S2	80 oct.Use strips.RR E
Hillcrest (Clovis, N.M.)	2.1 E;RR S	4244	36 S4	73 oct.No sto.P-line S.
Holbrook's (Cuervo,N.M.)	0.8 NE;RR S	4810	19	300' mtn SE.P-line SSE.
Ira Benger (Friona,Tex)	1.8 NE;RR S	4000	28 S2	73 oct.
NEW FACILITIES				
Longhorn(Moralrty,N.M)	8.3 ENE;hwy N	6312	33	P-line N
Estancia (N.M)	1.5 NNW;RR 0.5 E	6100	36	Ctn-cattle on fld.P-line NE,E.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Johnson (Kans)	0.5 N;hwy W	3330	28 S6	80 oct.P-line N,NW,NE,
Kerrick (Tex)	1.5 N;RR SW	3850	19 S1	80 oct.P-line SW. S.
KIRTLAND Tower (N.M.)	278 (126.18, 118.7)+		AC (ILS)	(4); 126.18, 118.7, 122.5
(A) [Kirtland](Albuquerque, N.M.) (A)	3.8 SSE;rd N	5330	102h L6 S6	87,91,100 oct.
(A) La Junta AAF (Colo) (A)	4.4 NNE;rd W	4238	80h	CLOSED
La Junta Bridges (Colo)	See Bridges Arpt under "New Facilities"-name changed			
(P) Lamar,10,PU-WD (Colo)	3.7 WSW;RR N	3673	42 L2 S4	80 oct.canal N
Las Animas (Colo)	1.4 S;hwy 1 N	3900	31 S4	80 oct. P-line W,NW.
LAS VEGAS Range (N.M.)	359(VH)(116.1)	8°, 3.2	SBMRAZ-DTV	(4);116.1,122.1
[Las Vegas] (N.M.)	6 NE;RR 2 W	6857	64h L5 S6	80, 91 oct.Rnwy lgts on req Use strips only.
Maxwell (N.M.)	1.7 N;hwy E	6000	36	
[Monte Vista,Colo,]	3.5 W;hwy N	7710	55 S6	80 oct. P-line NE.
Mountainair (N.M.)	1.1 NNE;RR S	6600	28	P-line N Horses on fld.
Muleshoe (Tex)	1 ENE;hwy N	3800	42 S1	73 oct.
Municipal (Spearman,Tex)	0.8 NW;RR SE	3104	30	P-line SW
OTTO Range (N.M.)	290(OT)(116.1)	74°,0.2	BMRLZ-DTV	(4);116,1,122.1
★ Otto Int,74,LA-AQ (N.M.)	5.8 NE Moriarty	6226	41 L3 S1	Ltd 100 oct.
Puckett's com.(Lakin,Kans)	3.5 S;riv N,NW	3050	26 S1	Ltd 80 oct.Trees N.
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	P-line NE,E. (Colo)
Romer (Holly, Colo)	1.5 SSE;riv N	3360	30 S2	Ltd 80 oct.P-line SW,NW,W.
Roy (N.M.)	1.5 N;RR W	5900	26	PRIVATE. Post NE.
SANTA FE H Fac. (N.M.)	206(SJ)(116.1)		MHTV	(4);116.1,122.1
[Santa Fe] (new)(N.M.)	9.8 WSW ;hwy E	6308	63h L5 S1	91 oct.airlines.FEE. Rnwy lgts on req.
➢ Santa Fe (old)(N.M.)	6.3 SW;hwy E	6550	45h S6	80,91 oct.P-line NE,SE
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct.No sto. (N.M.)
Springfield,Com.(Colo)	3.8 N;hwy W	4350	34	Poles NW,W,SW.
Stinnett (Tex)	0.6 NNE;RR E		30	Data unver.
Syracuse (Kans)	1 N;riv S	3320	36 S2	80 oct.P-line S,SE.
★ Syracuse Int,16,PU-WD	3.7 NNE;hwy W	3410	46 L3	(Kans.)
Taos (N.M.)	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW
Texhoma (Tex)	1 SSW;RR N	3460	30 S2	73,91 oct.P-line N.
Tradewind (Amarillo,Tex)	5.5 S;RR NW	3636	32 S6	80,91 oct. P-line SW.
TRINIDAD Range (Colo)	329(TD)(vhf)	170°,3.0	SBMRAZ-DTV	(4);116.1,122.1
Trinidad (Colo)	10.5 ENE	5756	34h L1 S4	80 oct.Use rnwys only.
TUCUMCARI Range (N.M.)	212(TC)(116.1)	76°,2.2	SBMRAZ-DTV	(4);116.1,122.1 Hwy E.
Tucumcari (N.M.)	7 E;hwy,RR S	4064	51h L5 S6	80,91,100 oct.
(P) Tulia (Tex)	1.5 NNW;RR W	3500	32 S1	80 oct.P-line NE,E,SE
Wagon Mound (N.M.)	0.6 WNW;RR E	6500	21	Fence N;mtns SE,W.
West Mesa (Albuquerque)	3.8 W;hwy S	5100	60 S6	73,80 oct. (N.M.)
West Texas State (Canyon)	3 N;hwy E	3686	42 S6	73 oct.20'poles SE.(Tex)

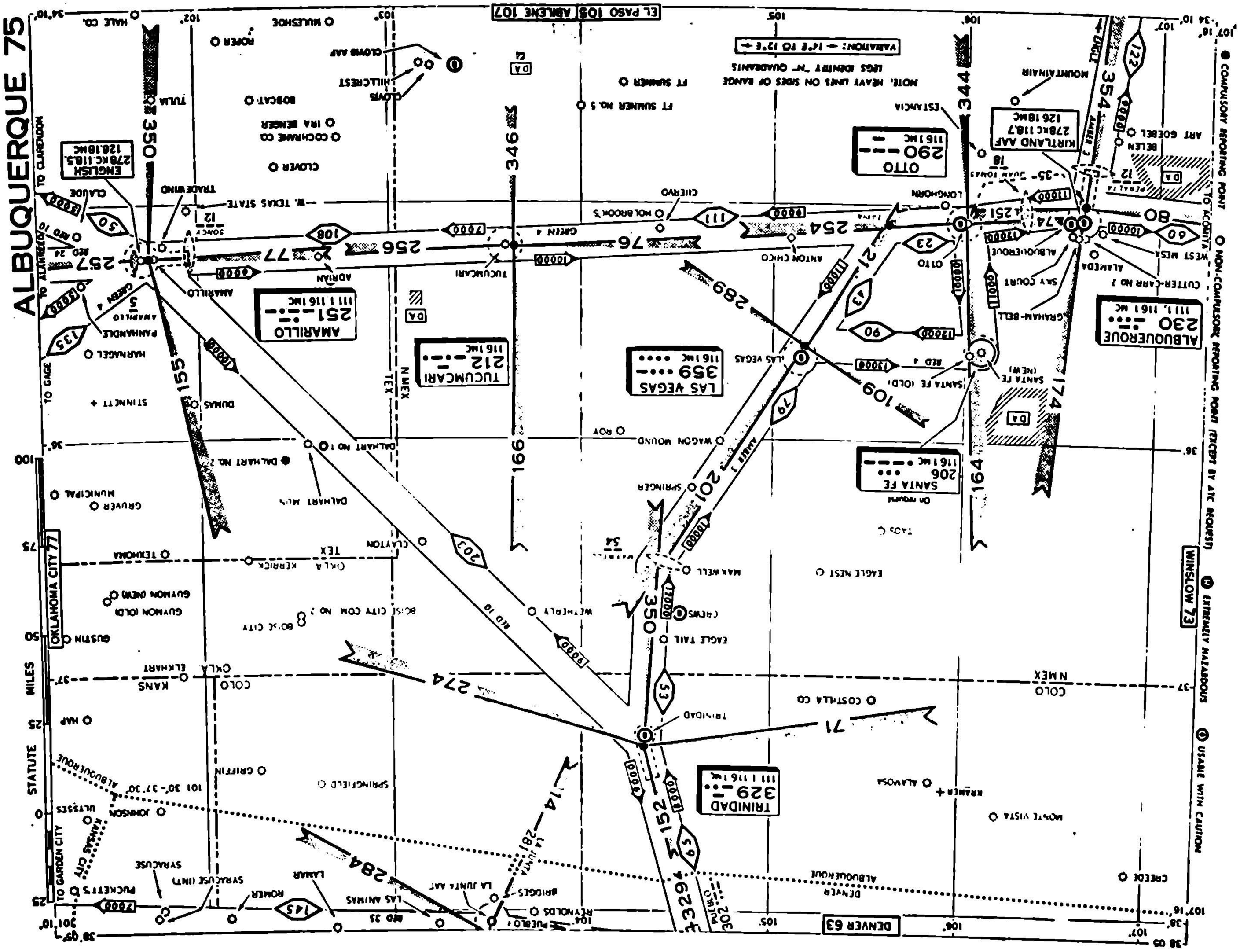
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ENGLISH	110.3	335	209°	IM-	MM- ·—·— (0.62)	OM- ——(5.92)
					MMK-	OMK-293 —··—
KIRTLAND	110.3	335	349°	IM-	MM- ·—·— (0.66)	OM- ——(4.32)
					MMK-	OMK-248 ——·—

NEW FACILITIES				
Boise City Com.#2(Okla.)	1 N;City S	4200	26 S1	80 oct.
Gustin Fld.(Hooker,Okla.)	3 SW;RR,hwy E	2985	26 S2	80 oct.P-line S.
Panhandle (Tex.)	1.6 SSW;RR N	3450	28 S2	80 oct.125' twr W.
Roper(Hart,Tex.)	5.9 S;lk NE	3600	26 S2	80 oct.P-line N,NW.
Ulysses (Kansas)	1.3 NNW;hwy E	3050	26 S1	80 oct.Poles S.
Kramer Fld (Alamosa,Colo.)	2.5 WNW		52 S6	80 oct.P-lines NE.Data unver.
Elkhart (Kans)	0.8 ESE;RR 0.5 NW	3500	32 S2	80 oct.
Hap(Hugoton,Kans)	1.5 SW;hwy N	3107	26 S2	80 oct.Poles N,NE.Use stps.
Bridges (LaJunta,Colo)	3.3 SSW;hwy,RR W	4250	26 S2	80 oct P-line N

RADIO: S–Simul. Range and Voice. W–Without Voice. Z–VHF Range Station Location Marker. (3)–3105, 4495, 6210 kcs. (4)–3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)–Voice on 116.1 and 111.1 mcs. +–Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h–hard surfaced runways. L–Lighting facilities. S–Servicing (see page XIII)
➢ New or revised data. [Jones]–Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ALBUQUERQUE 75
EL PASO 105 ABILENE 107
AMARILLO
TUCUMCARI
LAS VEGAS
SANTA FE
ALBUQUERQUE
OTTO
KIRTLAND AAF
ENGLISH
TRINIDAD
DENVER 63
OKLAHOMA CITY 77
WINSLOW 73
MILES
STATUTE
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (RECEIVED BY ATC REQUEST)
EXTREMELY HAZARDOUS
USABLE WITH CAUTION

OKLAHOMA CITY

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(P) Ada (Okla)	2 N; hwy W.	1008	50h S1	80 oct.
(A) Altus AAF (Okla) (A)	3.4 ENE;hwy S	1388	60h	CLOSED.
Altus Mun. (Okla)	4.2 N;RR W	1426	31 S6	80 oct.P-line SW,W,NW.
Alva (Okla)	1.4 S;RR N	1450	26 S6	80 oct.
Anadarko (Okla)	1.5 SW;RR E	1260	26 S6	80 oct.P-line N,E.
ANTHONY H Fac. (Kans)	382(AY)(116.1)		MHTV	(4);116.1,122.1
(P) Anthony,24,AQ-KC	3 WNW;hwy S	1339	48 L3 S6	73;91 oct. (Kans)
* Antlers (Okla)	2.8 S;RR E	640	22 S2	80 oct.
ARDMORE H Fac. (Okla)	400(AT)(116.1)		MHTV	(4); 116.1, 122.1
Ardmore (Okla)	11.2 NNE;riv E	758	73h	CAUTION: Intensive airline training
Ardmore,10,FV-WD	9.2 N;hwy E	875	40h L3 S6	80,91 oct.Poles E
* Arlie Int,9,AQ-FV(Tex)	3.8 SW;hwy S	1770	42 L3	(Okla)
Ashland (Kans)	1 E;RR S	1940	32 S2	80 oct.Poles S,E
Atoka (Okla)	1.8 NW;RR S	540	22 S2	73 oct.P-line S.
Bartlesville (Okla)	4 E;rd S	720	34 S6	80 oct.
Bennett (Elk City, Okla)	2 SSE;RR NE	1800	20 S2	80 oct.P-line W.Lgt ac-
Blackwell (Okla)	1.7 W;RR N	1000	32 L4 S6	80 oct.P-line ft only.
Boren (Wetumka, Okla)	1.5 NW;RR SE	780	20	SW,NW.
Brown (Tulsa, Okla)	6 SE	735	31 L S6	80,91 oct.Port rnwy lgts. Pole NW.
Buffalo (Okla)	0.6 NW;crk N	1965	14 S1	73 oct. wet.
Caddo Fly Svc. (Ft. Cobb)	6 SE;hwy S	1250	21 S2	80 oct. (Okla)Ctn when
Cameron College	2.5 W;RR N	1108	22 S6	80 oct.(Lawton,Okla)
* Cascoday Int,34,AQ-KC (Kans)	1 SSE;hwy W	1480	32 L3	Twrs S.
CHANUTE Range (Kans)	284(CZ)(vhf)	304°, 2.5	SBRAZ-DTV	(4);116.1.122.1
Chanute (Kans)	2 WSW;lk SE	980	22h L4 S6	80,91 oct. Flood lgts on req.P-line NW,SE.
CLARENDON Range (Tex)	233 (CP)	196°, 2	MRLW	
(P) Clarendon,4,AQ-FV	3.8 W;RR NE	2869	40 L3 S6	80,91 oct. (Tex)
Childress (Tex)	3.2 ESE;RR NE	1980	30 S1	80 oct. P-line sur fld
(A) Childress AAF (Tex)(A)	5.2 W;RR N	1952	60h	CLOSED.
Clinton (Okla)	17 SW	1932	65h	CLOSED.
Coffeyville,Mun.#1	3.5 NE	743	59h S2	80 oct. (Kans)
Coffeyville,Mun.#2	2 NW;riv E	880	26h S6	80 oct.Poles NW;hi-line SW.
Commercial(Okmulgee, Okla)	3.4 E;RR W	682	26 S2	80 oct. Poles SW
Commercial(Tulsa)	5.4 SSE;hwy N	700	29 S6	73,80,91 oct Trees SW
Commercial(Quanah)	1.8 S;hwy E,N	1568	21 S2	Ltd 80 oct (Tex)(Okla)
Community (Ada, Okla)	6.8 WNW	1000	24 S6	80 oct. hwy NE
Cordell (Okla)	1.3 NW;RR E	1550	20 S2	80 oct.
(P) Cushing (Okla)	2 S;RR E	913	52h L5 S6	73,80 oct.
* Dill Int,14,AQ-LS(Okla)	0.5 NW;hwy N	1876	26 L3	P-line N,E
DODGE CITY H Fac(Kans)	362(OD)(116.1)		MHTV	(4);116.1,122.1
Dodge City (Kans)	3.5 ENE;RR SE	2594	47h L3 S6	80,91 oct.Fld lgts prior
(A) Dodge City AAF (Kans)	6 NW;RR S	2621	65h	CLOSED. (A) req.
(A) Dodge City #4 (Kans)(A)	17.4 NNE	2465	60h	CLOSED.
Dukes (Carnegie, Okla)	1 NNW;riv S	1250	24 S2	80 oct.P-line S.
Edgewood (Coffeyville, Kans)	2.5 WNW;RR E	745	25 S2	80 oct.N,E,S,W blkd.
(A) Enid AAF (Okla)(A)	4 SSW;RR E	1290	56h	TMP INACT.NO FACS
Eureka (Kans)	2.7 E;hwy S	1100	26 S1	80 oct.Hi-line S.
Ferguson(Coffeyville)	5 E;RR NW			(Kans) ABANDONED
(P) Frederick AAF (Okla)	2 5 SSE;RR N	1233	60h L6 S6	80,91 oct No flood lgts.
Fredonia Mun. (Kans)	3 NNE;RR E	880	26 S1	80 oct.
GAGE Range (Okla)	268(VM)(vhf)	224°, 2.1	SBRAZ-DTV	(4);116.1,122.1
(P) Gage (Okla)	1.8 SW;riv N	2223	55h L5	
GARDEN CITY Range (Mun.)(Kans)	257 (GK)	168°, 3.7	SBRAZ-DTV	(4);116.1,122.1
Garden City Mun.(Kans)	3.3 E;riv S	2841	45 L3 S6	73,80 oct.Fld lgts on req
(A) Garden City AAF (Kans) (A)	9 ESE;riv S	2894	65h	CLOSED.
(A) Garden City #1 (Kans)	19.5 ESE	2814	30h	CLOSED. (A)
(A) Garden City #2 (Kans)	13.4 E	2856	30h	CLOSED. (A)
(A) Garden City #3 (Kans)	6 ENE	2917	30h	CLOSED. (A)
Glenn Martin (Liberal) Kans)	2 ESE;hwy SW	2853	35 S2	80 oct.P-line SE,SW.
Grandfield (Okla)	1.2 SE;RR N	1100	13 S2	80 oct.
(P) Grandfield Mun (Okla.)	3 W;RR NE	1128	45h	CLOSED.
(A) Great Salt Plains (Jet, Okla) (A)	6 NNE;dam 1 N	1200	55h L5	
Greensburg (Kans)	1 ESE;RR N	2230	26 S1	80 oct. Poles N.
Haddock (Erick, Okla)	1.4 SW;RR N	2017	34 S2	80 oct.P-line N.
Halliburton (Duncan, Okla)	1 S;RR E	1125	35 L3 S4	80,91 oct.P-line W. Lgts prior req.No ben.
Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S6	80 oct. (Okla)
Hatbox (Muskogee, Okla)	2.7 W;RR S,N	615	38h S6	80,91 oct.P-line N,ESE
Hemphill Co (Canadian)	1.5 SW;riv N	2300	27 S2	Ltd 73 oct.(Tex) S,WNW
(P) Hobart Mun(Okla)	3.8 SE;hwy W	1583	54h L S6	80 oct.Port lgts on req.
Hohmann (Lone Wolfe)	1 ESE	1576	26 S2	80 oct. (Okla)
Holdenville (Okla)	1.2 WNW;hwy S	864	33	
Hunter's Flight Strip (Hobart, Okla)	0.5 SW;hwy adj	1530	22	Data unverified.
HUTCHINSON Range (Kans)	227(HN) (116.1)	350°, 3.1	SBMRLZ-DTV	(4);116.1.122.1
Hutchinson, com.(Kans)	5.5 W;hwy N	1605	20 S2	80 oct. P-lines N,NE.
(P) Hutchinson,mun.	4 ENE;hwy S	1542	70h L5 S6	80,91 oct. (Kans)
(N) Hutchinson NAS (Kans)	8.9 S;RR NNE	1582	70h	CLOSED (N)
INDEPENDENCE AAF Tower (Kans)	272 (126.18)		CA	(3); 126.18 (7-19)
(A) Independence AAF (A)	5.5 SW;hwy W	820	55h S1	91,100 oct. (Kans)
Independence (Kans)	5 N;hwy W	847	22 S4	91 oct.Pole SW.
(A) Independence #3 (A)	24 ESE	920	42h	CLOSED. (Kans)
Independence #9 (Kans)	12.5 NE	870	40h	
(P) Iola (Kans)	3.2 SSE	1020	48 S6	80,91 oct.P-line NW,N.
Jensen (So.Coffeyville)	0.5 W;RR S,E	735	40 S6	80 oct.P-line SE (Okla).
Jimmie Ray (Cherokee)	1.5 E;RR SW	1200	26 S1	80 oct. Trees S (Okla)
Kell-Air (Thomas, Okla)	1.2 SW;RR N	1730	24 S2	80 oct.
Kingfisher (Okla)	1.3 NW;RR W	1060	24 S6	80 oct.
Kingman (Kans)	1.5 NNW	1600	26 S1	73 oct Trees S,SW RR
Kiowa Flying Service (Kiowa, Kans)	2.5 WNW;RR S	1375	19 S1	80 oct P-line SW NNW,SSW.
Kittenbrink (Jefferson)	2 E;RR W	1100	23 S2	80 oct Trees N (Okla)
Lawton (Okla)	1.5 S;RR E	1145	26 L4 S6	80 oct.No ngn,lgts on req.
(A) Liberal AAF (Kans)(A)	1.5 WNW	2888	70h	CLOSED.
Long (Pryor, Okla)	2 NNE;RR W	650	20 S6	80 oct P-line SW.
Meade (Kans)	3 ESE;hwy N	2532	76 S2	80 oct.Use strips P-line
McAlester (Okla)	2 SSE;RR W	750	25 S4	80 oct. P-line ESE. N
Mauks (Blackwell, Okla)	2.7 S;hwy W	987	26 S4	80 oct.P-line E
Medicine Lodge (Kans)	2.1 SE;RR S	1520	33 S2	80 oct.
(A) Muskogee AAF (Okla)	See Davis under "New Facilities" - name changed.			NW
North (Enid, Okla)	3.8 N;RR E	1265	26 S6	80, 91 oct.Shrubs N,NE
Nowata (Okla)	1.6 NNE;RR W	600	26 S6	80 oct.
OKLAHOMA CITY Range (Okla)	350 (OL) (116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Okmulgee (Okla)	3 NNE;hwy W	716	43h L5 S6	80 oct. Ctc lgts prior
Olustee (Altus, Okla)	10 SE;riv E	1338	45h	CLOSED req.
Pampa (Tex)	1.2 NNE;RR S	3234	50 L3 S6	80,91 oct SE blkd.P-line E,S,W
(A) Pampa AAF (Tex)(A)	12.3 E	3124	65h	CLOSED.
* Pampa Int,4,AQ-KC(Tex)	1.9 NNE;RR S	3197	50 L3	P-line E,S,W Twr SW.
Parsons (Kans)	2 NW;RR S	936	32 S1	80 oct.Use strips only
Pawhuska (Okla)	3.8 W;RR E	1000	27 L S1	80 oct.Port rnwy lgts. P-line NE.
(A) Perry (Okla) (A)	6.6 N;hwy W	1008	52h	CLOSED.
(P) Perryton (Tex)	3 ENE;RR NW	2942	80 S4	80 oct.No sto Allway fld.P-line SE,windmill
PHILLIPS Tower (Okla)	388		CI	3105 (qn req) SW
Phillips (Bartlesville)	1.7 WNW	750	35h L4 S2	80,91 oct.(Okla).Hwy S.
Plains (Kans)	1.3 NNE;RR S	2772	30 S2	80 oct.P-line NE,SE,S.
PONCA CITY H Fac (Okla)	368(PC)(116.1)		MHTV	(4);116.1.122.1
(P) Ponca City (Okla)	2.3 NNW;RR S	1014	38h L4 S6	80,91 oct. Antenna bet. twr & hangar,lgtd.
Ponder (Mangum, Okla)	1.6 N;hwy S	1585	29 L S2	90 oct.Bndry lgts prior
POST Tower (Ft.Sill, Okla)	201 (126.18)		CA	(3); 126.18 (7-22) req.
(A) Post (Ft.Sill, Okla)(A)	1.5 S	1170	50h L5 S4	73,ltd 100 oct.
Pratt Mun. (Kans)	2.5 ENE;lk E	1916	25 S6	80 oct.Use strips only
(A) Pratt AAF (Kans) (A)	4 N;hwy E	1960	80h	CLOSED.
Roosevelt (Okla)	0.5 NW;rd N	1400	24 S2	73 oct. P-line N.
Sapulpa (Okla)	1.5 ENE;RR W	730	26	P-line S.
Satanta (Kans)	1 N;RR S	3050	26 S2	80 oct.
Sayre Mun. (Okla)	8.5 SSW	1937	50h	
Archer (Sayre, Okla.)	2.3 N;hwy W	1909	26 S6	80 oct.
Seminole (Okla)	3.4 NNW;hwy E	1012	35 S6	80 oct.Trees W,NW.
Sentinel Memorial	0.8 SSW;RR W	1600	S2	80 oct. (Okla)
(P) Shawnee (Okla)	2 NW;RR E	1080	42h L5 S6	80,91 oct.Fld lgts prior
Stafford (Kans)	2.6 WSW;RR N	1889	26 S6	80,91 oct.Poles N,S req
Stark (Coldwater, Kans)	0.7 NE;RR SE	2100	29 S2	80 oct.Poles N,S,E,SE
(P) Stillwater #1 (Okla)	3.2 NNW;hwy E	985	50h L3	NE
Stillwater #2 (Okla)	5.6 SSE;hwy W	980	20 S6	73,80 oct.
Strickland(Hazelton, Kans)	2.6 E;RR S	1510	26 S6	73,80 oct Poles E,N
* Stroud Int,29A,AQ-LS	3 N;hwy W	883	27 L3	P-line W lgtd.(Okla).
Sulphur (Okla)	1.5 NW;hwy S,E	1060	28	Trees NW
TINKER Army Rng (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
(A) Tinker (Okla City, Okla)	8.5 SE;RR NE	1272	78h L5 S6	73,100 oct.IP-1 (A)
Tonkawa (Okla)	1.6 S;riv NW	1000	25 S2	80 oct.P-line S,E
TULSA Range (Okla)	245(TS)(116.1)	225°,1.0	SBRAZ-DTV	(3); 116.1, 122.1
TULSA Tower (Okla)	278 (126.18, 118.5)		AC (ILS)	(4); 118.5.126.18, 122.5
(A) [Tulsa] (Okla)	6.2 NE;RR S	674	71h L6 S6	73-91 oct.73,100 oct.
Tulsa North (Tulsa, Okla)	4.5 NNW;RR E	700	25 S2	80,87 oct. Army Poles S,SW,SE.
Turkey (Tex)	2.7 SSW;hwy E	2350	18 S2	80 oct.
Twitty Int,6A,AQ-LS	1 SE;hwy 0.5 W	2225	38 L3	(Tex) P-line W
Vernon 15,AQ-FV(Tex)	5 N;hwy E	1250	43h L5 S6	73,80 oct No sto.
* Vernon Int,15,AQ-FV	8.8 NNW;hwy E			(Tex) ABANDONED
Vici (Okla)	0.7 SW	2265	24 S1	80 oct. Trees N.
Victory (Clinton, Okla)	2 S;hwy W	1540	27 S6	80 oct.
Walker (Ada, Okla)	5.4 S;rd E,N	870	32	PRIV Trees sur fld.
Walker (Altus, Okla)	1.6 W;RR E	1400	26 S4	80,91 oct P-line N.
Walters (Sedan, Kans)	8 N;rd E	1000	26 S1	80 oct.Emerg only.Priv.
Walters (Okla)	1.2 SW;RR E	1005	26 S6	80 oct.
Watonga (Okla)	1.2 NW;hwy S	1460	26 S6	80 oct.
Waynoka-Kelsey (Waynoka, Okla)	3.4 NNE;RR SE	1500	21 S2	80 oct.P-line N,NE.
Weatherford (Okla)	2.7 ENE;hwy S	1550	27 S6	80 oct.P-line N
Wellington (Tex)	1 SE;hwy W	2100	17 S2	80 oct. P-line S,E
Wewoka,com.(Okla)	1.8 W;lk N	905	23 S6	73,80 oct.P-line NNE
(P) Wewoka,mun.(Okla)	4.7 NE;hwy W	790	30	Emerg only.
White Bros.(Lamont)	2 WSW;RR E	1000	24 S2	80 oct. (Okla)
WICHITA Range (Kans)	232(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1, 122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5.126.18, 118.7
(NG) [Wichita] (Kans)	5.3 SE;hwy W	1372	75h L6 S6	80,91 oct Army 100 oct
Will Rogers,36,AQ-LS	1.5 NE;RR W	649	29 L3 S6	73 oct (Claremore,
WILL ROGERS Tower (Okla City, Okla)	272 (118.7)		AC (ILS)	(4);118.7,126.18,[Okla] 122.5
[Will Rogers] (Okla City)	7.5 SW;hwy E	1283	57h L6 S6	80,91,100 oct.(Okla)
(P) Woodring (Enid, Okla)	5 ESE;RR N	1169	65h L5 S6	80,91 oct.
(P) Woodward (new) (Okla)	7.5 W;hwy S,E	2187	55h L5 S2	80,91 oct Lgts on req
Woodward (mun) (Okla)	1.5 SE;hwy W	1918	21 L1 S6	80,91 oct.

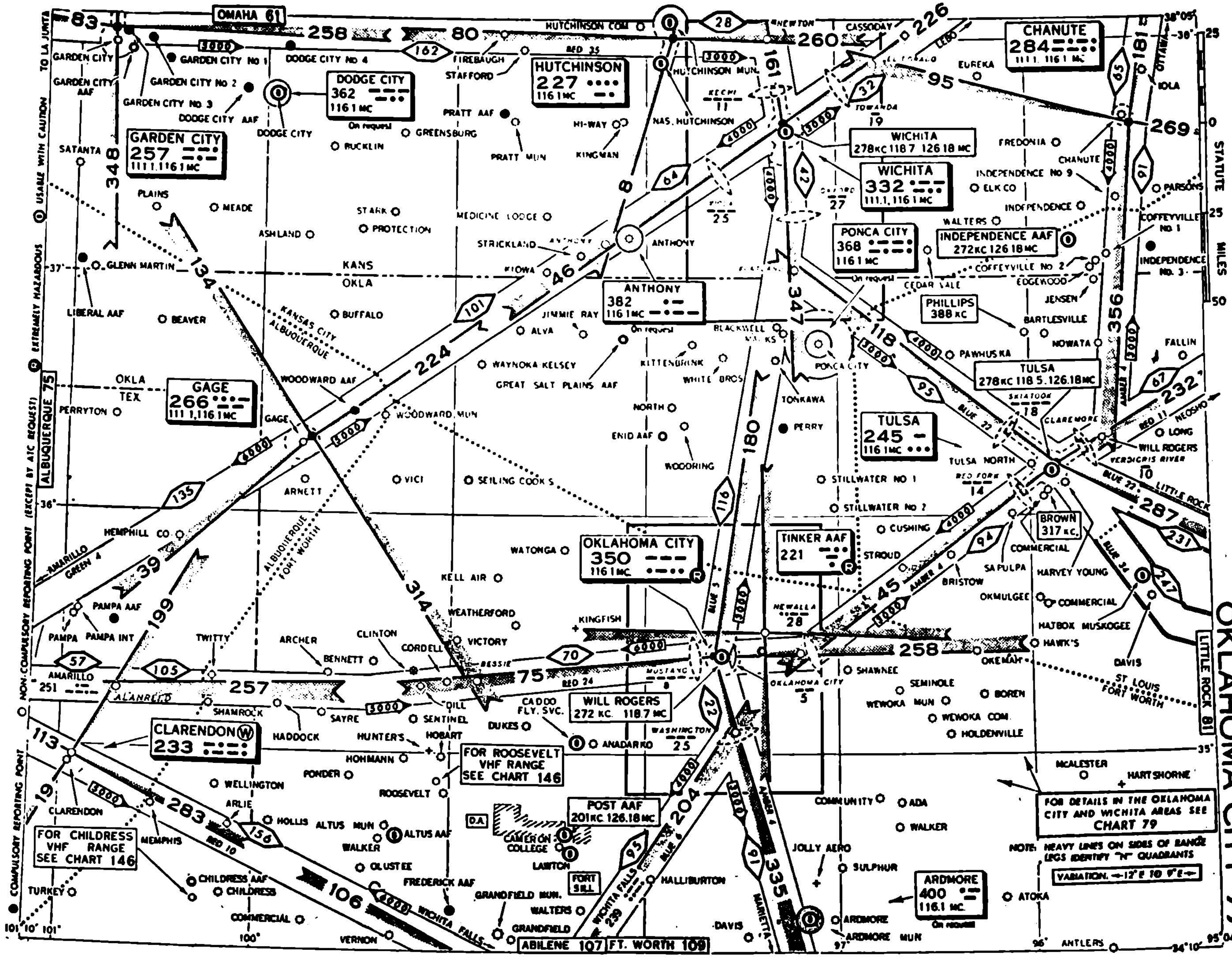
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER/G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
TULSA	110.3 / ...	335	354°	IM-	MM- •—•—(0.65)	OM- ——(4.82)
				MMK-		OMK-263
WICHITA	110.3 / ...	335	3°	IM-	MM- —•—•(0.69)	OM- ——(5.37)
				MMK 201		OMK-317
WILL ROGERS	109.9 / ...	333.8	350°	IM-	MM- •—•—(0.66)	OM- ——(4.6)
				MMK-		OMK-293

CHILDRESS Range (Tex)	109.1 (GM)		VARW	
ROOSEVELT Range (Okla)	108.7 (RQ)		VARW	
Arnett (Okla)	Adj NNE	2450°	23 S1	73 oct.
Beaver (Okla)	1 SSW;hwy W	2500	30 S1	80 oct.
Bristow (Okla)	1.3 WNW;lk E	725	26 S6	80 oct.Trees NE,SW.
Fallin (Vinita, Okla)	1.5 NW;RR S	780	26 S2	80 oct.P-line E,N,NE,
[Davis] (Healdton, Okla.)	1.3 E;crk W	800	20 S2	80 oct. S,SW.
Hartshorne (Okla)	1 NNW	700	13	Emerg use only
Hawk's (Henryetta, Okla)	1 N;rd N,E	802	18 S2	80 oct.
Jolly Aero (Davis, Okla)	3 S;hwy NNW	800	17	Pwr line NNW.Emerg
Kingfish (Hinton, Okla)	3.7 N;hwy W	1545	18	CLOSED. only
Okemah (Okla)	1 E;city W	870	33 S6	80 oct.P-line N,NE.
Seiling-Cook's (Seiling)	Adj E	1700	20	P-line N;trees S (Okla)
Shamrock (Tex)	1.3 SSE;hwy N	2395	23 S1	80 oct P-line S.
Augusta (Kans.)	1 NNE	1260	26 S2	80,91 oct.S blkd.
Memphis (Tex.)	1.4 NNE	2100	38 S2	80 oct.E,SE blkd.
Elk Co. (Moline, Kans.)	2.3 ENE;hwys SW	1050	19 S1	80 oct.
Protection (Kans.)	0.6 SSE;hwy S	1830	24 S2	80 oct.Pole W.Use strips only
Hi-way (Kingman, Kans.)	2.3 W;hwy S	1580	24 S2	80 oct.P-lines SE,S.
Bucklin (Kans.)	0.6 SW;RR N	2400	26 S2	80 oct.Poles N,W.Use strips.
Firebaugh (St. John, Kans)	1.7 NNE;rd E	1885	26 S2	80 oct.Poles N,E.Derrick S.
Cedar Valg (Kans.)	1.5 WNW;hwy S	1000	26 S1	80 oct.Poles N,W.
[Davis] (Muskogee, Okla)	6.4 S;hwy 2	610	58h L5 S2	80 oct Rill SW.
BROWN Tower (Tulsa, Okla.)	317		CI	3105 (12-sunset.Sats, Suns,holidays)
Hollis (Okla)	1 N;hwy E	1720	26 S2	80 oct.P-line SE,S.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


OKLAHOMA CITY 77
OMAHA 61
HUTCHINSON
DODGE CITY
GARDEN CITY
GAGE
CLARENDON
ANTHONY
WICHITA
CHANUTE
TULSA
OKLAHOMA CITY
WILL ROGERS
TINKER AAF
ARDMORE
PONCA CITY
INDEPENDENCE AAF
FOR ROOSEVELT VHF RANGE SEE CHART 146
FOR CHILDRESS VHF RANGE SEE CHART 146
FOR DETAILS IN THE OKLAHOMA CITY AND WICHITA AREAS SEE CHART 79
POST AAF
ABILENE 107
FT. WORTH 109
NON-COMPULSORY REPORTING POINT (EXCEPT BY A/C REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES

OKLAHOMA CITY - WICHITA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Arkansas City (Kans)	3.5 S;RR W	1067	28 S6	73,91 oct.
Arther Arfld (Wichita, Kans)	3 SW;RR N	1290	26 L S6	80,91 oct.P-line N,S,W. Port rnwy lgts.
Baird (Arkansas City)	4 W;hwy S	1100	17 S2	73 oct.P-line S,SW.(Kans)
Beech (Wichita, Kans)	6 E;hwy N	1378	46h L	Factory use only.obst lgts.
Bomhoff (Calumet,Okla)	4.1 SSE	1448	25 S6	73,80 oct. Hwy S
Caldwell (Kans)	1.2 E;RR W	1140	22 S1	80 oct.Poles SW,SE,NE.
Cannon Ball (Wichita,Kans	6.5 WSW; hwy N	1300	24 S6	80 oct.No sto.P-line N.
Central (Edmond,Okla)	2.6 NNE	1211	24	RRW
Cessna (Wichita,Kans)	4.5 SE	1384	53 S2	80 oct.Wichita Arpt 1 N.
(P) Chickasha (Okla)	4 NNW;riv S	1140	35h L5 S6	80,91 oct.No bcn or flood
Cimarron (Yukon,Okla)	4 WSW;hwy N	1350	20h S6	80,91 oct. P-line NE,E.
Culver (Wichita, Kans)	4 N	1320	15h	Reported ABANDONED.
Derby (Kans)	1 NNE;RR W			ABANDONED
El Dorado (Kans)	3.6 SE;hwy W	1400	25 S6	80 oct.Soft,wet weather.
(P) El Reno (Okla)	1.5 SW;RR N	1400	26 L5 S6	80,91 oct.Ctc & range lgts
Frasier (El Dorado,Kans)	2.5 S;riv W	1300	25 S6	80 oct.Poles E,NE.
Garthoeffner Co. Club (Oklahoma City, Okla)	See Country Club under "New Facilities" - name changed.			
Guthrie Muni	2 SSE;hwy W	1052	26 L3 S6	80 oct. (Okla)
Hilltop (Augusta, Kans)	2 NE;RR SE			ABANDONED.
Ken-Mar (Wichita,Kans)	3 ENE;RR N	1375	23 L S6	80,91 oct. No sto.Port rnwy lgts.Obsts
Kingfisher (Okla)	1.3 NW;RR W	1060	24	PRIVATE
Lake View (Yukon, Okla)	2.7 E;RR N	1275	24 S1	80 oct.Poles N,S.
Mariash (Chickasha,Okla)	2 SSE;RR E	1275	30 S2	80 oct. P-line NW,SW.
Marlow (Okla)	1.6 N;RR E	1150	22 S6	30 oct.P-line N.
Max Westheimer (Norman, Okla)	2.7 NW;RR E	1178	50h S6	80, 91 oct.
(P) Mustang (El Reno,Okla)	5.3 SSW	1400	52 S6	80,91 oct.
Newkirk Skypark (Okla)	2.5 SE	1140	29	P-line N,NW. RR SW.
(N) Newton (Kans.)	4 ENE;rd S	1527	70h S6	80,91 oct.P-line W,N.
Nuckols (Okla.City, Okla)	7.2 SSW; hwy W	1265	30 S6	80 oct. P-line N,NE,SW, W,NW.
OKLAHOMA CITY Range (Will Rogers) (Okla)	350(OL)(116.1)	78°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
(P) Pauls Valley (Okla)	2.1 S;RR E	967	35h L1 S4	80,91 oct.
Purcell-Lexington (Lexington, Okla)	See Lexington-Purcell under "New Facilities" - name changed.			
Rawdon (Wichita, Kans)	6.7 E;hwy S	1396	26 L S6	80,91 oct.Port rnwy lgts
Riverside (Wichita, Kans)	4 NNW;riv E	1310	26	Use in emerg only
(A) South (Winfield, Kans)(A)	14 SSW	1230	40h	CLOSED.
(P) Strother (Winfield, Kans)	See Winfield-Arkansas City under "New Facilities" - name chg.			
TINKER Army Range (Okla)	221 (DTE)	170°,5.3	BMRAZ	4495
TINKER Tower (Okla)	396 (126.18)+		CA (GCA)	(3); 126.18
(A) Tinker (Oklahoma City, Okla) (A)	8.5 SE;RR NE	1272	78h L5 S6	73,100 oct. JP-1
Tulakes (Oklahoma City, Okla)	8 WNW lake 2 SW	1269	44h S6	80,91 oct.P-line N,S,NW.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
University (Wichita, Kans)	5 NE;RR N	1350	27 L S6	80,91 oct. Port rnwy lgts. P-line E.
University (Langston, Okla)	1 S;road N	1025	26	Bldg SE corner.
Wellington (Kans)	3.5 N;RR W	1290	26 S6	80 oct. P-line sur fld
Wheatley Arpk (Moore, Okla)	0.6 NE;hwy W	1273	24 S6	80,91 oct.
WICHITA Range (Kans)	332(WD)(vhf)	167°,1.0	SBRAZ-DTV	(3);116.1,122.1
WICHITA Tower (Kans)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(NG)[Wichita] (Kans)	5.3 SE	1372	75h L6 S6	80,91 oct. 100 oct. for Army.
Wiley Post (Oklahoma City, Okla)	7.9 NNW; hwy E	1216	34 S6	80,91 oct. Trees S.
WILL ROGERS Tower (Okla)	272 (118.7)		AC (ILS)	(4); 118.7,126.18,122.5
[Will Rogers] (Oklahoma City, Okla)	7.5 SW;hwy E	1283	57h L6 S6	80,91,100 oct. Port lgts prior req.
Wilson (Wichita, Kans)	7.6 NE	1410	29 L S6	80,91 oct.P-line N,NE,NW.
Winfield (Kans)	2 E;RR S	1200	20 S6	80 oct. Lgt acft only Pwr line N.

INSTRUMENT LANDING SYSTEMS (*Localizer and G.P. in mcs, Compass Locators in kcs*)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
WICHITA	110.3	335	3°	MM- • — • — (0.69)	OM- — — (5.37)
				MMK-201 — • •	OMK- 317 • — —
→ WILL ROGERS	109.9	333.8	350°	IM- MM- • — • — (0.66)	OM- — — (4.6)
				MMK-	OMK- 293 — — —

NEW FACILITIES

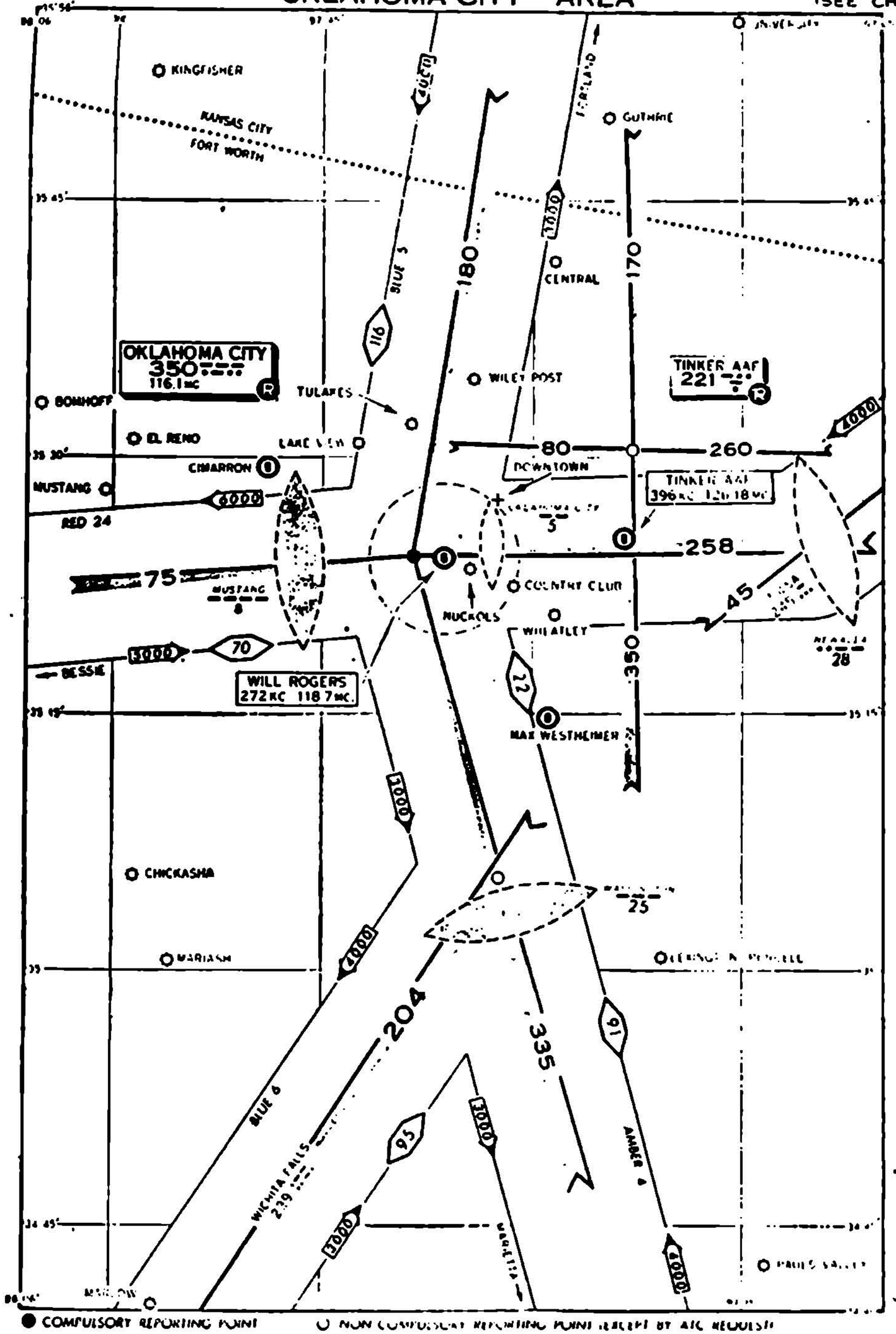
Lexington-Purcell (Lexington,Okla.)	0.8 WSW; riv W	1100	21 S1	80 oct.rough N. Ctn when wet
Country Club (Okla.City, Okla)	7.3 S;hwy E	1250	19h S6	80 oct.
(P) Winfield-Arkansas City (Winfield,Kans)	5.7 SSW;RR SE	1150	58h L5 S2	80 oct.No bcn.Use strips.
BEECH Tower (Wichita, Kans)	239		CI	3105,6210 (7-17) daily except Sun & holidays.
Downtown Arpk (Okla City)	1.5 SW	1132	26h S2	80 oct. (Okla)

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4497, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.88 mcs. ◆ A.A.C.S. Scheduled Broadcasts on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page VIII) —► New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

OKLAHOMA CITY AREA

(SEE CHART 77)



WICHITA AREA

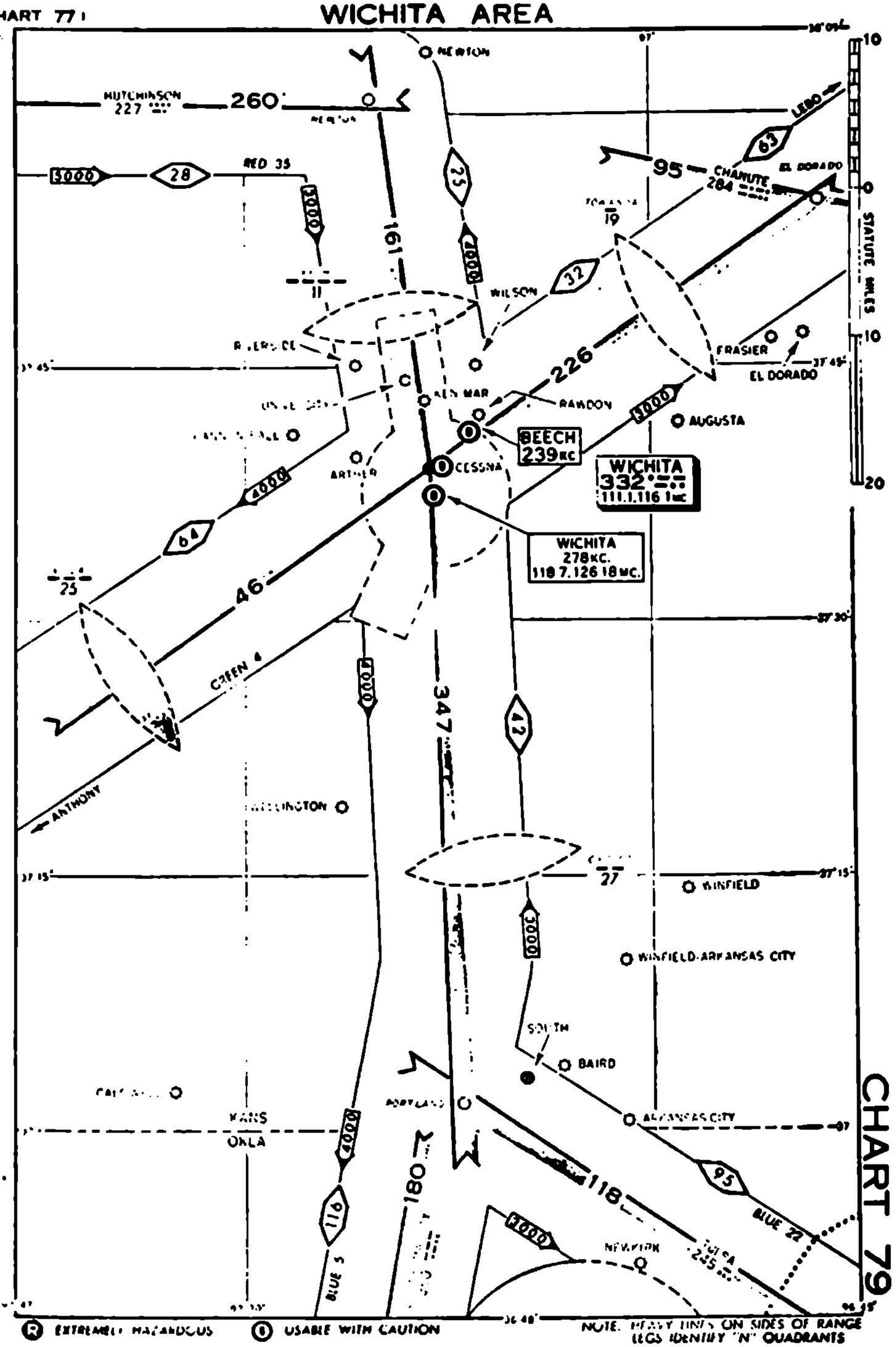


CHART 79

● COMPULSORY REPORTING POINT ○ NON COMPULSORY REPORTING POINT (RECEIPT BY ATC REQUIRED)

Ⓡ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

FACILITY	FREQ IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
ADAMS Tower (Ark)	278 (126.18, 118.5)		C	(4); 126 18,118 5, 122 5 (7-23)
(NG) [Adams] (Little Rock, Ark)	4 E;RR W	260	52h L5 S6	80, 91 oct 73.100 oct, JP-1,2 ech maint NG
ADVANCE Range (Int) (Mo)	317(AF)(116.1)	354°, 1.5	SBMRAZ-DTV	(4);116.1,122.1
* Advance Int,48,NO-LS	0.8 WSW	355	29 L3	(Mo) N blkd. Trees e.
Alma (Ark)	1.5 ESE;rd S	450	23 S2	80 oct.P-line S.PRIVATE
American Legion (Blytheville, Ark)	1.5 ESE;RR N			ABANDONED
Arkansas Polytechnic (Russellville, Ark)	1.3 N;hwy W	350	23 S6	80,91 oct.SE blkd. P-line W.
(P) Atkinson (Pittsburg, Kans)	2.5 NW;hwy 13 E	948	40h L S6	80 oct Flood,obst lgts.
Bailey (Cabot, Ark)	0.5 W;RR S	270	16 S2	80 oct Trees sur fld
Bass (Lula, Miss)	2.2 SSE	200	13 S1	80 oct N blkd.Hwy E
Batesville (Ark)	3 S;hwy F	400	35 S3	80 oct.N,W blkd.P-line
* Batesville Int,29,NO-LS (Miss)	3 W;hwy SE	205	25 L3	Poles N, lgtd W,N.
Benton (Ark)	1.6 W;hwy N	300	20 S2	80 oct P-line S.Trees
Bentonville (Ark)	1.5 SSW;RR N	1200	24 S1	80 oct.
Berryville (Ark)	1.3 WNW	1150	13 S1	70 oct,Trees S.hwys N,S.
Biggers (Ark)	2 ESE	290	45	RR 2 NW Cattle on fld.
BLYTHEVILLE Range (Ark)	221 (LY)	226, 14.2	RLWZ	
(P) Blytheville (Ark)	3.5 NW	254	50h S6	80,91 oct.
Bolivar (Mo)	1.8 WSW	1138	24 S2	80 oct,N,S blkd.Hwy N.
Bowden (Mena, Ark)	1 E;RR NW	1177	16 S1	73 oct
Bowen (West Memphis, Ark)	1.5 W;hwy N	215	17 L S6	80,91 oct.Floodlgts; port rnwy lgts Poles
Branson (Mo)	4 W;mtn NNW	1069	19 S4	80 oct.W,NW blkd. SE
(P) Brinkley,37,DL-LV (Ark)	1 E;hwy N	188	31 L3 S1	80 oct days Obst NW Heavy acft emerg only.
Cabool (Mo)	0.8 SW		18 S1	80 oct Data unver
Cape Commercial (Mo)	4.8 SW;Hwy N	340	35	CLOSED. P-line N
Carbondale (Ill)	1 S;tk 1.5 SW	450	23 S6	80 oct
(P) Carlisle Aux. (Ark)	3 NE;RR 1.5 S	236	45h	
Carthage (Mo)	See Meyers Field under "New Facilities" - name changed			
Cassville (Mo)	3 S;hwy E	1375	26 S2	80 oct NE,SW,NW blkd.
Central (Little Rock)	4.5 NE;RR S	255	35 S4	80 oct.Trees W Data un-
Charleston (Mo)	1 ESE;RR NW	300	31 S2	80 oct Poles S,wer (Ark)
Chester (McBride,Mo)	3.8 NW;riv N	372	20h	Allway 5388 x 4695'
Clarksdale (Miss)	1.5 SE;hwy NW	175	21 L1 S6	80 oct.P-line N
Commercial (De Witt)	2.4 W;RR N	196	24 S6	80 oct P-line E (Ark)
(P) Conway (Ark)	1.5 SE;hwy W	309	32 S6	80,91 oct P-line N,E.
Cooter (Blythev'l,Ark)	10 NE			ABANDONED
Copp (Calico Rock,Ark)	1.8 N	425	18	Fence S.
Dexter (Malden, Mo)	12.5 NNE	215	45h	
Dockery (Stuttgart,Ark)	1.5 NNW	214	24 S6	73,80 oct P-line N,S,E
Diamond (Mo)	2.1 SSW;Hwy E	1150	19 S2	80 oct SW,NW blkd.
(A) Dyersburg AAF (Tenn)	9 S;RR E	289	62h	CLOSED. (A)
Dyersburg Mun.(Tenn)	2 SW;riv N	337	40h S4	80 oct. No sto
Earl Fields (Poplar Bluff, Mo)	3.8 ENE; hwy S	325	26 S6	80 oct. P-line S
Embry Riddle (Union City, Tenn)	See Stewart Field under "New Facilities" - name changed			
Erwin (Newport,Ark)	6 S;rd S	220	45h	CLOSED. Cattle on fld.
Farmington (Mo)	1 ESE;hwy N,E	920	36 S6	80,91 oct.Poles E,N
Farmington Flying Service (Mo)	0.8 NNE; hwy S			ABANDONED
(P) Fayetteville (Ark)	4.5 S;riv E	1251	38 S6	80 oct.P-line SW;ctn.
Fleeman (Manila,Ark)	0.8 S;RR N	240	32 S2	80 oct.P-line N,NE
Fletcher (Clarksdale)	8 NNE;RR W	175	20h S6	80, 91 oct (Mo) P-line
Forrest City (Ark)	0.7 W;hwy SE	226	22 S2	80 oct. Bldg S S
Fort Scott (Kans)	4.5 SW;hwy S	900	28 S2	80 oct.
(P) [Fort Smith] (Ark)	4 SSE;RR S	450	35h L5 36	80,91 oct P-line SE,SW
(A) Gideon (Malden, Mo)	1 SE Gideon	268	45h	CLOSED. Stacks W.
Gilbrech (Palmer, Ark)	0.2 NE;RR S	178	18 S2	80 oct N S strip rough
Girard (Kans)	1.7 WNW; hwy S	950	14	Obst sur fld. Poles W
(P) Grider (Pine Bluff,Ark)	5.5 SE;hwy N	210	45 L S6	80,91 oct. Port rnwy lgts
Harlas (Malvern,Ark)	2.2 WSW	275	26 S2	73 oct P-line NE RR SE
Harris (Cape Girardeau, Mo)	6.5 SSW; hwy E	340	20h S6	80,91 oct.P-line N.
Harrison (Ark)	4.1 NW;RR,8 S	1380	32 S2	80 oct.SE,S,NW. blkd.
Heber Spgs (Ark)	1.5 NNE;hwy E	625	24 S1	80 oct P-line E N blkd
Hazen (Ark)	3.8 WSW	225	45h	
Heavener (Okla)	2 N;RR W	575	27	Use in emerg. only.
J.B.Wilson (Joiner,Ark)	0.5 ENE			ABANDONED.
Jameson (Picher,Okla)	4.5 W			ABANDONED
John Brown Universtiy (Mosley,Okla)	See Brown University under "New Facilities" -name changed			Caution.
John's Arpk.(Filippin)	0.3 NNW	620	27 S1	80 oct N,SE,S,NW blkd.
(P) Jonesboro (Ark)	3.5 ESE; RR all sides	264	44h S6	80,91 oct Use (Ark) rnwys
JOPLIN Range (Mo)	400(JH)(vhf)	172°, 6.2	BMRLZ-DTV	(4);116.1,122.1
(P) [Joplin] (Mo)	5 NNE;hwy S	981	43h L4 S2	80, 91 oct P-line NE
Kennett (Mo)	1.3 E;RR W	260	26	30' poles N
Kennon (Union City, Tenn)	3.2 WSW, hwy N			ABANDONED
King (Houston,Mo)	0.8 WNW	1180	15 S1	80 oct Poles S Hwy ESE
* Lebanon , 54B, AQ-LS	2.5 SSE	1380	26 L3 S6	80 oct.(Mo.) Hwy E.
Levee (W.Memphis, Ark)	2.4 E;RR N	215	24 L S4	80,91 oct Port rnwy lgts P-line N,S Wires W.
LITTLE ROCK Range (Adams) (Ark)	353 (LI) (116.1)	313°, 3.8	SBRAZ-DTV	(3); 116 1, 122 1
* Luxora Int,39,NO-LS	1 WNW	240	31 L2	(Ark). Hwy S S blkd.
McFarland (Springfield)	4 SSE; hwy E	1310	34 S6	80 oct. P-line S,NW(Mo)
(P) McLaughlin (Hot Spgs, Ark)	See Hot Springs Memorial Fld under "New Facilities" - Name changed			
Macarin (Marion, Ill)	4.6 WNW	470	35 S6	80,91 oct. Hwy W
(A) Malden AAF (Mo)(A)	3.5 NW;RR E	296	50h	CLOSED
Manila	1.8 NE	240		Cattle on fld.
Marks (Miss)	1.5 NW;hwy S	165	22 S2	80 oct.Trees N.E.
MEMPHIS Range (Tenn)	371 (PS) (116.1)	356°, 2.1	SBRAZ-DTV	(3); 116 1, 122 1
MEMPHIS Tower (Tenn)	278 (126.18, 118.7)		AC (ILS)	(4); 126 18,122 5,118 7 See Notice to Airmen
(A) [Memphis] (Tenn)	5.9 SSE; RR 2 NE	269	52h L6 S1	80,91,100 oct P-1 lgt acft.Rdo rqrd.P-line SW
Memphis Flying Service (Tenn)	11 SE;RR 3 NW	286	35 L4 S6	80,91 oct P-line S No bcn Lgts prior req Rnwy lgtg data unver
MEMPHIS NAS Tower	293 (142.74)		CN	3105; 142.74 (6-24)
(N) Memphis NAS (Tenn) (N)	16 NNE;RR NW	322	50h L5 S6	73 oct. Lgts on req.
(P) Miami (Okla)	2.2 NNW	800	33h L1 S6	80,91 oct. RR E req.
Milltown (Tuckerman,	4.5 E	244	45h	(Ark). Emerg only.
Monett (Mo)	7 NE;hwy S	1392	26 S4	80 oct. P-line SW
Monkey Island (Afton, Okla)	7.8 SE;RR NW	750	26 S1	80 oct P-line W
Murphysboro (Ill)	3 N;riv SE		20 S1	80 oct Data unver
Neosho com. (Mo)	4.8 NNW	1140	27 S2	80 oct Obst sur fld.Hwy W
Neosho 43B,AQ-SL(Mo)	2.8 SW;hwy N	1215	26 L3 S6	80 oct. P-line NE,W,NW
(P) Nevada (Mo)	3 NE;hwy N	850	36 L S6	80 oct. P-line SW,W,NW
Newport (Ark)	6 ENE;hwy N	237	50h S6	73,80,91 oct. Port lgts on req.
Norman (Ola, Ark)	1.8 NNE			ABANDONED
North Cairo (Cairo,Ill)	3 NNW	312	24 S4	73 oct. RR E wet
Overholt (Cotton Plant)	3 W;hwy S,E	250	18 S1	(Ark) 80 oct,Ctn when
(P) Oxford (Miss)	6 S;hwy 7	300	40 S6	80,91 oct.Trees NW.Soft.
Paris (Ark)	1.3 NE;RR W	500	23 S1	80 oct.SW,W blkd,P-line
Poteau (Okla)	1.5 SSW	460	19 S3	80 oct.P-line NW,E,NE.
* Prairie du Rocher Int, 55, NO-LS (Ill)	0.5 S;RR NE	390	37 L3	Trees S, N.
(P) Prairieville (Palmyra, Ark)	5 W	205	45h	
Ramsey (Campbell,Mo)	1.6 SW;RR NW	295	18 S2	80 oct. NE.
Rogers (Ark)	2.7 N;RR E	1325	32 S6	80 oct. SE blkd. Trees
Rogers (Springfield,Mo	2.1 E;hwy W	1367	38 L4 S6	80,91 oct. Lgts prior req.
Rolla (Mo)	3.5 NE;rd S	1201	31 L S6	80,91 oct.Port rnwy lgts
Round Pond (Ark)	1.5 NNW	200	22 S2	80 oct. PRIVATE. SW
(P) Sanders (Walls,Miss)	1.8 S;hwy NW	210	51 S6	80,91 oct.Trees N,SE.
Searcy (Ark)	2.8 S;RR E	260	21 S1	80 oct.P-line NE,SE
Sexton (Kennett,Mo)	2.8 SW;hwy E	263	26 S2	80 oct.
Sky Haven (W.Plains,Mo)	2.4 NW	1049	22	RR E.
Sloan (Black Rock,Ark)	0.5 NE;RR W	270	16	
Smith (Hasty,Ark)	3 SSW;rd E,S	1150	16 S1	80 oct. N,S blkd.
Springdale (Ark)	0.8 SSE; RR,5	1200	19 S4	80 oct. P-line NE,SW S,NW blkd.
SPRINGFIELD Range (Mo)	254 (SX) (vhf)	134° 4.3	SBRAZ-DTV	(4);116.1,122.1
(A) [Springfield] (Mo)	5.5 WNW; RR NE	1269	56h L5 S6	80,91,100 oct. 100 oct. JP-1 rnwyUse rnwys only
Steele (Blythev'l,Ark)	12.3 N			ABANDONED
Stilwell (Okla)	1.4 N;RR W	1125	18 S2	80 oct.
STUTTGART Range (Ark)	269 (DSA)	173° 4.5	MRLWZ	
(P) Stuttgart (Ark)	7 N;RR E	223	50h S6	80,91 oct.
Tahlequah (Okla)	4.3 N;rd E	1050	22 S6	80 oct.
(P) Thompson-Robbins (Helena, Ark)	6 NW;RR S	242	30 S3	73,80 oct
Toney (Pine Bluff,Ark)	2.5 N;hwy W	215	28 S2	80,91 oct.Twr NW lgtd
Tucker (Hughes,Ark)	1.1 S			ABANDONED.
Walcott #3 (Walnut Ridge, Ark)	14.2 ESE	285	45h	2 W of Walcott.CLOSED. NOT MAINT.Cattle on fld.
WALNUT RIDGE Range (AAF) (Ark.)	362 (DWR)	174°, 5.0	MRLWZ	
Walnut Ridge AAF (Ark)	4 NE;RR SE	275	50h	CLOSED.
* Whiteville Int, 49, DL-LV (Tenn)	0.6 NNW;RR E	494	30 L3	
Wilson (Memphis, Tenn)	11.5 SE;hwy W	320	26 S6	73 oct.
Wynne (Ark)	3.2 N;RR E	212	25 S3	80 oct. P-line E, SE.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

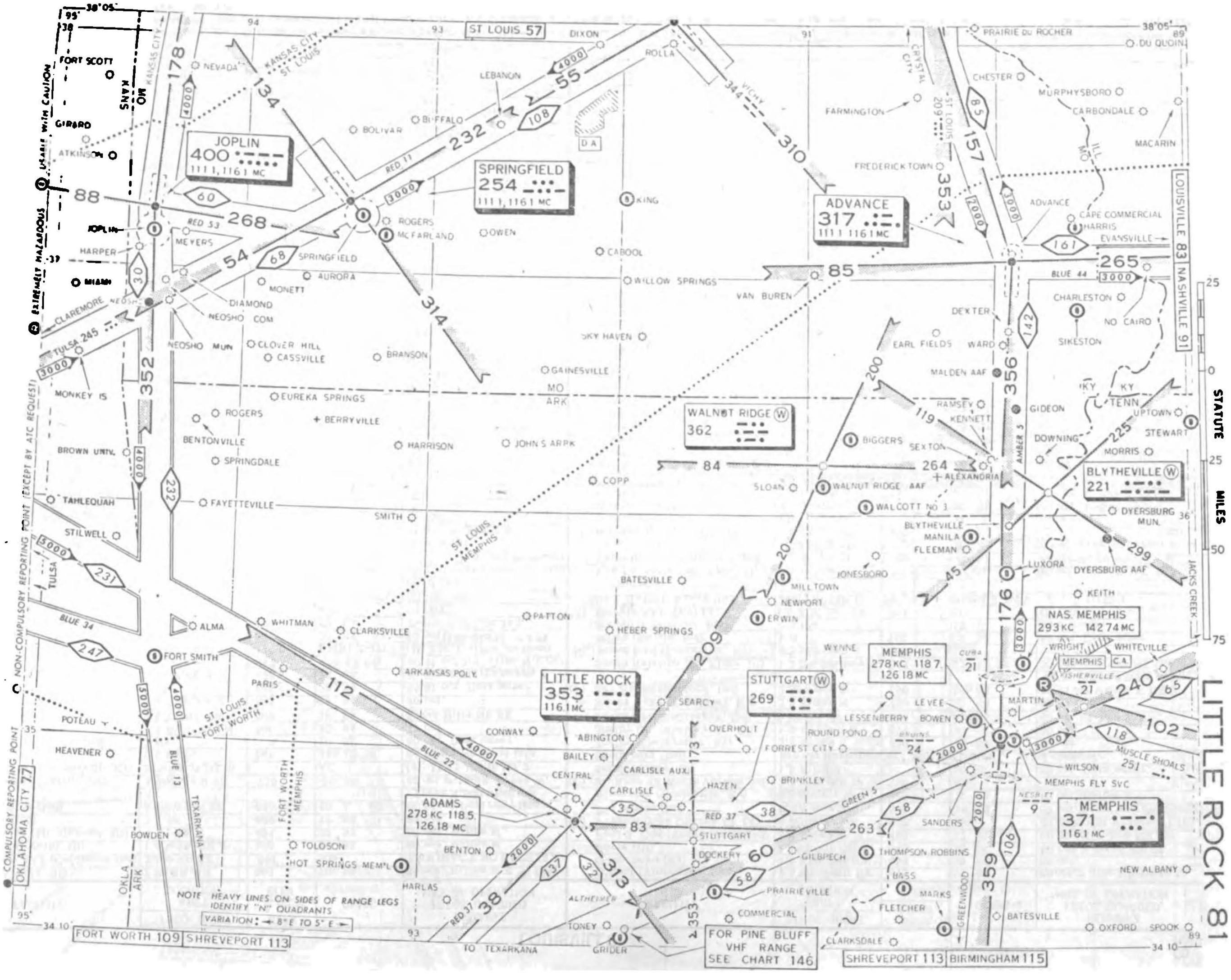
LOCATION	LOCALIZER	G.P.	APPR. BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
MEMPHIS	109.9	333.8	86°	IM-	MM- ·-·-(0.69) OM- --(5.76)
					MMK-201 ··· OMK- 215 ·-·-·
				IM-	MM- OM-
					MMK- OMK-

NEW FACILITIES

Spook (Pontotoc,Miss)	5 W;hwy N	3000	15 S1	80 oct.P-line N.
PINE BLUFF Range(Ark)	108.7 (PL)		VARW	
Clarksville (Ark)	2.5 E;hwy S	425	27 S1	P-line SE,WSW
Whitman (Czark,Ark)	1.2 NNW	600	25 S1	80 oct. Hwy SW Bldg SW.
Martin (Memphis,Tenn)	6 ENE;RR N	258	22 S6	80,91 oct.P-line S.
Czark Skyranch (Eureka Springs,Ark)	See Eureka Springs under "New Facilities" - name changed.			
Central(N.Lit'l Rock,Ark)	5 ENE;hwy S	555	35 S4	80 oct.Trees W.Caution.
New Albany (Miss)	2 W;hwy S	450	15 S1	80 oct All apps blkd exc N,S
Wright (Memphis,Tenn)	6 N;hwy,RR E	214	35 S2	80 oct.P-line E.
Morris (Obion,Tenn)	0.3 NW	340	25	P-line S.
Uptown (Union City,Tenn)	1 NE;hwy SE	350	15 S4	80 oct.No sto.P-line S.
Keith (Henning,Tenn)	1 SW;RR S	350	15 S1	80 oct.Trees W,SW,E.
Toloson (Mt.Ida,Ark)	0.3 N	650	24 S1	73 oct.P-line both ends.Soft.
Lassenberry (Parkin,Ark.)	1.3 SW;hwy E	200	12 S2	80 oct.Trees N
Patton (Clinton,Ark.)	2.1 S;hwy E	755	25 S1	Ltd 80 oct.Trees sur fld.Soft.
Pocahontas (Ark)	8 E;RR,Tk	30	30 S1	80 oct.
Aurora (Mo)	2.5 E;RR N,W	1350	24 S6	80 oct.E,SE blkd.P-line NE.
Alexander (Paragould,Ark.)	12 NE		23	Trees N,S,Data unver.
Stewart (Union City,Tenn)	5 ESE;hwy NE	345	18h L S6	80,91 oct.Flood lgts.
Meyers (Carthage,Mo)	2 S;hwy E	1007	26 L S6	80 oct.Port rnwy lgts.
Van Buren (Mo)	3.5 NE;hwy W	560	24 S6	80oct P-lineNE,SW,E,S
Harper (Joplin,Mo)	2.5 W;hwy N	1050	30 S6	80 oct.Obst sur fld.
Owen (Seymour, Mo)	3 NE;orchard E	1600	21 S2	80 oct.Use strip only
Gainesville (Mo)	2.0 ENE;hwy SW	1000	18 S1	80 oct.Trees NW
Fredericktown (Mo)	4.8 S;hwy W	1000	15 S2	80 oct.Trees S,NE;bldg N
Clover (Exeter,Mo)	0.7 WNW;hwy S	1530	13 L	Port lgts prior req.S blkd.
Willow Springs (Mo)	0.7 E	1220	20 S1	80 oct.N blkd.
Downing (Hayti, Mo)	1.5 W;hwy S	270	16 S2	80 oct.P-line S.Use strip
Carlisle (Ark)	0.5 S;hwy N	240	26 S2	80 oct P-line N;trees S
Buffalo Mun.(Mo)	1.2 NW;hwy E	1200	13 S2	80 oct Trees NE
Cabool (Mo)	1 SW	1200	18 S1	80oct Trees N;p-line S
Dixon (Mo)	1.5 W;RR S	1220	16 S1	80oct TreesNNE,NW
Sikeston (Mo) (Ark.)	2 NE; RR S	315	58 S6	80 oct. P-line W.
(P)Hot Springs Memor'l	3.5 W;hwy N	525	41h L5 S6	80,91 oct. Lgts prior req
Eureka Springs (Ark)	6.5 NW;riv E	1150	24 S	80 oct,NW blkd.
Brown University(Mosley,Okla.)	3.6 ESE;hwy S	1183	27 S6	80 oct.Apchs blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4498, 6210 kcs. (4) - 3105, 4498, 6210, 8117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.65 mcs ● A.A.C.S. Scheduled broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page VIII) —●— New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED Airports are in-termed and non-capitalized


ST LOUIS 57
JOPLIN 400 111 1, 116 1 MC
SPRINGFIELD 254 111 1, 116 1 MC
ADVANCE 317 111 1 116 1 MC
WALNUT RIDGE (W) 362
LITTLE ROCK 353 116.1 MC
STUTTGART (W) 269
MEMPHIS 278 KC 118 7 126 18 MC
ADAMS 278 KC 118 5 126.18 MC
NAS. MEMPHIS 293 KC 142 74 MC
MEMPHIS 371 116 1 MC
BLYTHEVILLE (W) 221
FOR PINE BLUFF VHF RANGE SEE CHART 146
FORT WORTH 109 SHREVEPORT 113
SHREVEPORT 113 BIRMINGHAM 115
LOUISVILLE 83 NASHVILLE 91
LITTLE ROCK 81
STATUTE MILES
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION 8°E TO 5°E
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
OKLAHOMA CITY 77
TO TEXARKANA
FORT SCOTT
NEVADA
LEBANON
ROLLA
DIXON
BOLIVAR
BUFFALO
FARMINGTON
PRAIRIE DU ROCHER
DU QUOIN
CHESTER
MURPHYSBORO
CARBONDALE
MACARIN
FREDERICKTOWN
CAPE COMMERCIAL
HARRIS
EVANSVILLE
JOPLIN
MEYERS
HARPER
MIAMI
CLAREMORE
TULSA
MONETT
AURORA
SPRINGFIELD
ROGERS
MCFARLAND
OWEN
KING
CABOOL
WILLOW SPRINGS
VAN BUREN
DIAMOND
NEOSHO COM
NEOSHO MUN
CLOVER HILL
CASSVILLE
BRANSON
GAINESVILLE
EUREKA SPRINGS
BERRYVILLE
HARRISON
JOHNS ARPK
DEXTER
CHARLESTON
SIKESTON
NO CAIRO
EARL FIELDS
WARD
MALDEN AAF
RAMSEY
KENNETT
GIDEON
UPTOWN
STEWART
DOWNING
MORRIS
BIGGERS
SEXTON
ALEXANDRIA
SLOAN
WALNUT RIDGE AAF
WALCOTT NO 3
DYERSBURG MUN.
BLYTHEVILLE
MANILA
FLEEMAN
JONESBORO
LUXORA
DYERSBURG AAF
KEITH
MILLTOWN
NEWPORT
ERWIN
WYNNE
WHITEVILLE
MEMPHIS
CUBA
LEVEE
BOWEN
LESSENBERRY
ROUND POND
FORREST CITY
WILSON
MEMPHIS FLY SVC
MARTIN
BRINKLEY
HAZEN
CARLISLE
CARLISLE AUX.
CENTRAL
BAILEY
ABINGTON
CONWAY
SEARCY
OVERHOLT
PATTON
HEBER SPRINGS
CLARKSVILLE
ARKANSAS POLY.
WHITMAN
ALMA
FORT SMITH
PARIS
POTEAU
HEAVENER
BOWDEN
TOLOSON
HOT SPRINGS MEM'L
BENTON
HARLAS
ALTHEIMER
TONEY
GRIDER
PRAIRIEVILLE
COMMERCIAL
STUTTGART
DOCKERY
GILBREATH
THOMPSON ROBBINS
BASS
FLETCHER
MARKS
GREENWOOD
BATESVILLE
OXFORD
SPOOK
NEW ALBANY
CLARKSDALE
SANDERS
WRIGHT
MEMPHIS
CA
MUSCLE SHOALS
251
BENTONVILLE
SPRINGDALE
BROWN UNIV.
TAHLEQUAH
STILWELL
FAYETTEVILLE
SMITH
COPP
SKY HAVEN
MONKEY IS
GIRARD
ATKINSON
KANSAS CITY
ST LOUIS
ST LOUIS MEMPHIS
ST LOUIS FORT WORTH
FORT WORTH MEMPHIS
OKLA ARK
TEXARKANA
TULSA
BLUE 34
BLUE 13
BLUE 22
RED 37
RED 53
RED 11
GREEN 5
AMBER 3
JACKS CREEK
CRYSTAL CITY
ILL MO
KY TENN
MO ARK
KANS MO
KANSAS CITY
ST LOUIS
VICHY
ST LOUIS
DA
PROHIBITED HAZARDOUS
USABLE WITH CAUTION
EXCEPT BY ATC REQUEST
95°
38°05'
34 10'
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94
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134
232
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264
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45
176
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112
240
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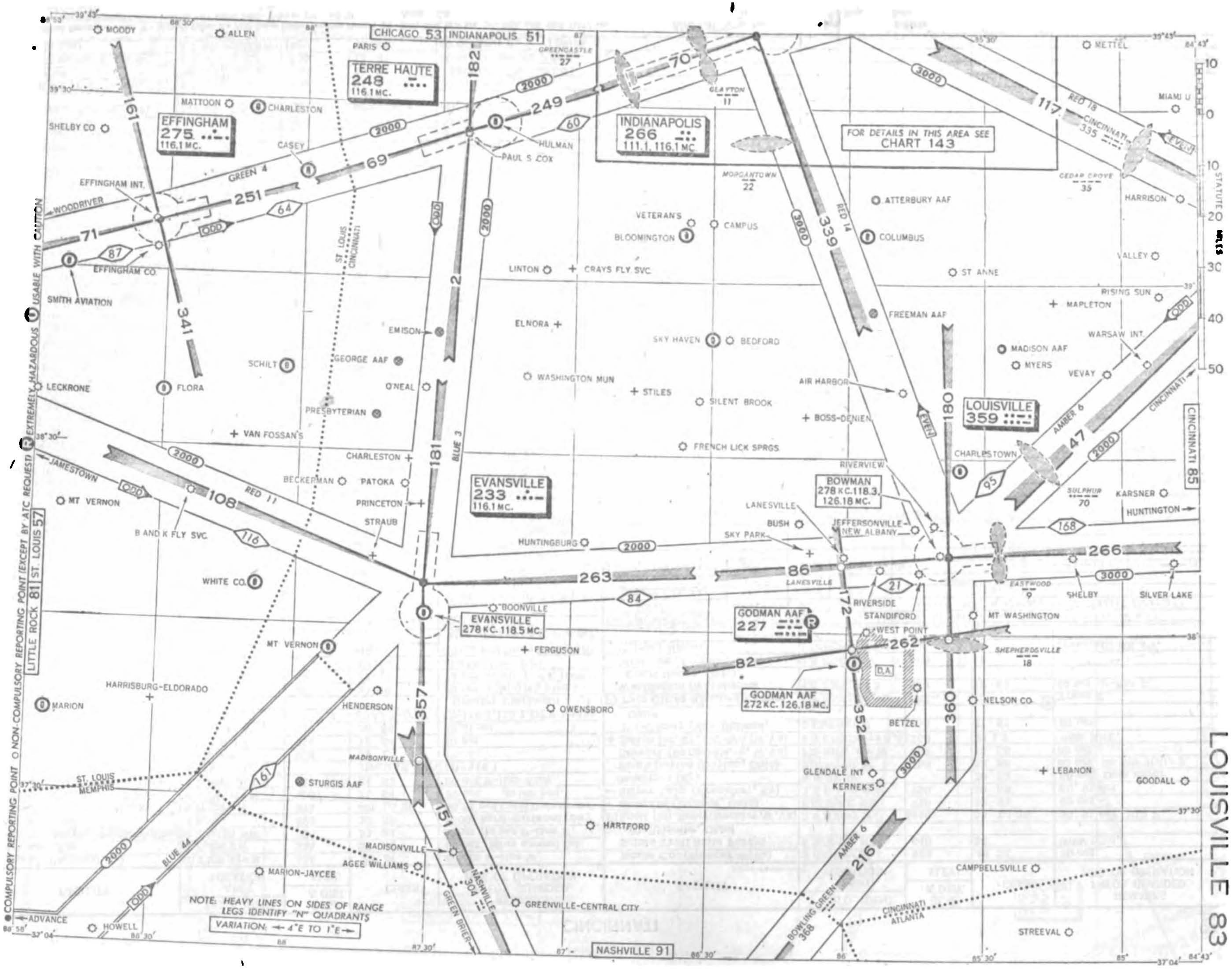
102
118
106
359
313
38
137
32
173
35
83
263
58
60
24
21
9
251
4000
3000
2000
1000
5000
7000

LOUISVILLE

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Allen (Area[illegible]a, Ill)	2 W;RR,6 N	665	20 S6	80 oct. P-line N,E. W blkd.
(A) Atterbury A[illegible]AF (Columbus,Ind)	3.5 N;RR SE	651	50h	TMP INACT.NO FACS.(A)
B & K (Fair[illegible]child, Ill)	1.4 WSW;RR S	500	26 S5	80 oct. P-line N
Beckerman (Mt. Carmel, Ill)	4 W; RR S	424	23 S2	80 oct. P-line N.
(P) Bedford (Ind)	3.5 SE	682	19 S6	80 oct.
(P) Bloomington (Ind)	5 WSW;RR SE	840	40 L S6	80,91 oct.Port rnwy lgts. Trees N,Soft when wet
Boss-Denien (Salem, Ind)	3 WNW;RR NE	730	24 S6	80 oct.P-line S.Trees W.
BOWMAN Tower (Louisville,Ky) [Bowman] (Ky)	278(126.18,118.3) 5.5 ESE	546	AC 44h L5 S6	(4); 122.5,126.18,118.3 80,91 oct.No flood lgts.
Bush (Jeffersonville, Ind)	3 NE	680	20 S2	80 oct. Data unver.
Bush (Ramsey, Ind)	1.5 WSW;hwy N	500	12 S4	73 oct.
Campbellville (Ky)	2 ENE;RR NW	883	18 S4	80 oct.Hills NE,SE.
Campus (Bloomington, Ind)	1.5 ENE;RR S	645	22 S4	80 oct.
Casey (Ill)	1 NW	690	26 S4	80,91 oct. Data unver.
Charleston (Ill)	1.3 SW;RR NW	617	26 S6	80,91 oct.Flares on req P-line N,E,W.
(P) Columbus (Ind)	5 SSW;hwy E	341°,0.0	45h L5 S4.	80,91 oct.No bcn,no flood. Lgts on req
EFFINGHAM Range (Int.)(Ill)	275(EF)(116.1)	585	BMRLZ-DTV	(4); 116.1 122.1
Effingham Co. Mem'l (Ill)	3.6 S;hwy W	608	30 S6	80 oct.
* Effingham Int,10,LS-ID (Ill)	2.5 N;RR E	425	26 L3	P-line E,SE.On req.
(A) Emison (Oaktown, Ind)(A)	3.6 WSW	177°,5.7	45h	CLOSED.
EVANSVILLE Range (Ind)	233(EV)(116.1)		SBRAZ-DTV	(3);116.1,122.1
EVANSVILLE Tower (Ind) [Evansville] (Ind)	278 (118.5) 4.5 NNE;bet RRs	383	C 60h L5 S6	(4); 118.5, 122.5 80,91,100 oct.Twr W.Fld lgts on req.No floods
Ferguson (Richmond, Ind)	0.5 SE		13	Data unver.
Flora (Ill)	0.8 SW;RR N	490	35 S6	80 oct. P-line N,W.
(A) Freeman (Seymour, Ind) (A)	2 SW;hwy N	575	55h	CLOSED.
French Lick Springs (Ind)	1 SE;RR W	500	27h	
(A) George (Lawrenceville,Ill)(A)	4.5 NE;RR S	428	52h	CLOSED.
* Glendale Int,75B,DL-LV (Ky)	0.5 NE;RR W	702	25 L3	
GODMAN Army Range(Ft.Knox)	227 (DKX)	172°,3.1	BMRLZ	(Ky)
GODMAN Tower (Ky)	272 (126.18)		CA	(3); 126.18
(A) Godman (Ft. Knox, Ky) (A)	1 NW;RR E	740	52h L5 S4	73,91,100 oct. No sto.
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct.WNW,SW blkd.
Greenville-Central City (Ky)	1 NE;RR W	415	22 S4	80 oct.
Harrisburg-El Dorado (Ky)	Adj E	400	27 S1	80 oct. Data unver.
Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct.P-line S.
Henderson (Ky)	4.7 WSW;hwy E	350	23 S1	80 oct.
Howell (Paducah , Ky)	4 WNW;RR S	371	20 S6	80 oct.All appchs blkd.
(P) Hulman (Terre Haute, Ind)	5 ESE;hwy N	585	53h L5 S4	80,91 oct.Fld lgts prior req.
(P) Huntingburg,19,LS-LV (Ind)	3 S;RR E	500	31 L2 S4	80 oct.
INDIANAPOLIS Range (Ind)	266(ID)(vhf)	75°,3.3	SBRAZ-DTV	(3);116.1,122.1
Jeffersonville-New Albany (Jeffersonville, Ind)	2 NW;riv S	470	29 S6	80 oct.Poles SW.
Lawrenceburg (Ind)	See Valley under "New Facilities" - name changed.			
Lebanon (Ky)	3.5 NNW;hwy 1 SE	799	15 S4	80 oct.P-line E,SE
(P) Leckrone (Salem, Ill)	1.9 NW;lake NW	545	39 S6	80,91 oct.Flares on req.Der-rick NW blkd.
Linton (Ind)	3.3 E;RR S	500	19 S4	Ltd 80 oct. N.NE
LOUISVILLE Range (Bowman)	359 (LV)	269°, 1.4	SBMRLZ-DTX	(3) (Ky)
(A) Madison AAF (Ind) (A)	6 NNW;RR SW	850	50h	Closed to all acft.
Madisonville (Ky)	6 ENE;hwy SE	420	24 S4	80 oct. Use strips only.
Mapleton (Seymour, Ind)	2.7 E;hwy SW	630	18 S4	80 oct.P-line N,NE,Use strips
Marion Arpk (Ill)	1.8 ESE;RR S	430	29 S6	80 oct. All appchs blkd.
Marion-Jaycee (Crayne, Ky)	1 N;hwy E	650	20 S1	80 oct.
Mattoon (Ill)	4 E; RR N	720	23 S6	80 oct. Poles W.
Mettel (Connersville, Ind)	2.8 NNE	950	29 S2	80 oct. Bet RRs.
(P) Miami University (Oxford,O)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N,NW.
Moody (Dalton City, Ill)	2.2 S;hwy W	680	19 S6	80 oct. P-line N.
Mount Vernon (Ind)	1 E;bet hwy,riv	390	26 S1	80,91 oct.1-line N,W.
Mount Vernon (Ill)	2.5 ENE;RR S	465	27 L S6	80,91 oct.Temp port lgts.
Mount Washington (Ky)	0.5 NE;hwy E	720	20 S6	80 oct.P-line E,NE.
Myers (Madison, Ind)	2.2 N;RR W	960	24 S6	80 oct.N,NE,E blkd.
O'Neal (Vincennes, Ind)	1.5 WNW;RR NE	415	33 S6	80 oct.P-line NE;trees N
Owensboro (Ky)	2.5 ENE;RR NW	484	29 S6	80 oct.
Paris (Ill)	3.6 NNW;RR E	740	30 S6	80 oct.P-line S,SW,W.
Paul S. Cox (Terre Haute,Ind)	3.2 S;hwy W	485	27 S6	80,91 oct.P-line NE,SW.
(A) Presbyterian Church #3 (A)	4 WNW;hwy E	430	45h	CLOSED (St.Francisv'l,Ill)
Princeton (Ind)	0.8 E;hwy N	502	18 S2	80 oct.Water tank SW,Wires N.W.
Riverside (Louisville, Ky)	7.5 SW;riv W	446	[illegible] S4	80 oct.Hi-line E.
(P) St. Anne #2 (North Vernon,Ind)	2.3 NNE;RR W	750	45h	
Schilt (Olney, Ill)	1.5 E;RR S		30 S6	80 oct. Data unver.
Scottsburg (Ind)	See Air Harbor under "New Facilities" - name changed.			
Shelby (Shelbyville, Ky)	2.9 E;hwy S	850	19 S4	80 oct.
Shelby Co. (Shelbyville, Ill)	1.9 ESE;RR N	677	21 S6	80 oct.
Silent Brook (Orleans, Ind)	5 W;riv SW	650	21 S4	80 oct.Hi-line W,SW.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80,91 oct.
(P) Sky Haven (Bedford, Ind)	2 SSW;riv S	650	36h S6	80,91 oct.P-line E,NE,S 80'hill W end WSW rnwy
Smith Aviation (St. Elmo, Ill)	1.3 SW;RR,hwy N	647	32 L1 S6	80 oct. Bcn twr NE;poles N
(NG) Standiford (Louisville, Ky)	4.3 SSE;hwy E	480	50h	
Stiles (Shoals, Ind)	1 N	740	22 S2	80 oct. Data unver
Straub (Cynthiana, Ind)	0.5 NW		13	Data unver.
(A) Sturgis AAF (Ky) (A)	1.5 ESE;hwy SW	371	50h	CLOSED.
TERRE HAUTE Range (Ind) (Hulman)	248(TH)(116.1)	69°, 5.8	BMRLZ-DTV	(4);116.1,122.1
Van Fossan's (Mt. Erie, Ill)	0.5 N;lake NE		27 S1	80 oct.P-line E,NW,SE.Data unver
Veteran's (Bloomington, Ind)	2,5 W; RR N	890	26 S1	80 oct.Poles W.
Vevay (Ind)	1.3 ENE;riv S	450	20 S4	80 oct.Tree NE corner.Data unver
* Warsaw Int,5,LV-CV (Ky)	0.8 SW;riv NW	485	30 L3	
Washington (Ind)	3 W		21	Data unver.
Washington Mun. (Ind)	4.3 NNW	450	30 S4	80 oct. P-line SW,W
White Co. (Carmi, Ill)	1.1 NE;RR S	450	28 S1	80 oct. P-line S, SSE.
Agee Wms Arpk (Madisonv'l,Ky)	1.5 SW;hwy N	450	18 S2	80 oct.Pwrline W,SW
Boonville (Ind)	0.5 NW	383	20 S1	80 oct. Pole SW, NW
Karsner (Monterey,Ky)	2 SE;hwy W	540	20 S2	80 oct. Poles SSE
Kernek's (Nolin, Ky)	2 ENE;hwy E	690	19 S1	80 oct.P-line NNE,NE,NE/SW
Rising Sun (Ind)	0.5 N;riv E	580	22 S4	80 oct.P-line SW,W,NW/SW
Streeval (Knifley,Ky)	5.8 S;hwy E	835	20 S2	80 oct. P-line E,SE strip rough
West Point Arpk (Ky)	1.3 ENE;riv W,S	420	16 S6	80 oct.
Crays Fly. Serv.(Bloomfield,Ind)	4 W		18	Data unver.
Sky Park (Corydon,Ind.)	1.5 NW	650	32 S1	80 oct.Wires E.Data unver.
Riverview (Utica, Ind)	2.8 SW;riv S;hwy N	447	27 S6	80 oct.
Lanesville (Ind)	2 SW hwy N	650	17 S4	80 oct. W blkd.
Rising Sun (Ind.)	0.5 N	580	22 S1	80 oct.Wires W.Data unver.
Air Harbor (Scottsburg,Ind.)	1.5 W;hwys N,E	570	25 S4	80 oct.
Valley (Lawrenceburg,Ind.)	1 W,SW;riv S	485	20 S4	80 oct.Hills NNE,WNW.
Betzel(Lebanon,Ky)	1.6 NNW;RR E	445	20	Trees N,S
Patoka (Ind)	1.5 W;lake N,E	500	22 S1	80 oct. P-line S,SE
Nelson Co.(Bardstown,Ky)	4.2 W;hwy S	650	21 S6	80 oct.Hedge NW,SSE.
Hartford (Ky)	0.3 S;hwy N	405	25 S2	80 oct.P-line N.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - lighting facilities. S - Servicing (see page XIII)
→ New or revised data. (Jones) - Airline Stop. N. B. Radio facilities are all CAPITALIZED
Airports are indented and non-capitalized


CHICAGO 53 INDIANAPOLIS 51
TERRE HAUTE 248 116.1 MC.
EFFINGHAM 275 116.1 MC.
INDIANAPOLIS 266 111.1, 116.1 MC.
FOR DETAILS IN THIS AREA SEE CHART 143
EVANSVILLE 233 116.1 MC.
BOWMAN 278 KC. 118.3, 126.18 MC.
LOUISVILLE 359
EVANSVILLE 278 KC. 118.5 MC.
GODMAN AAF 227
GODMAN AAF 272 KC. 126.18 MC.
NASHVILLE 91
MOODY
ALLEN
PARIS
GREENCASTLE 27
METTEL
MATTOON
CHARLESTON
SHELBY CO
CASEY
HULMAN
PAUL S COX
GREEN 4
EFFINGHAM INT.
WOODRIVER
EFFINGHAM CO.
SMITH AVIATION
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
ST LOUIS CINCINNATI
GEAYTON 11
MORGANTOWN 22
MIAMI U
CEDAR GROVE 35
RED 18 CINCINNATI 335
ATTERBURY AAF
COLUMBUS
HARRISON
VETERANS
CAMPUS
BLOOMINGTON
LINTON
CRAYS FLY SVC
ST ANNE
VALLEY
RISING SUN
MAPLETON
FREEMAN AAF
WARSAW INT.
MADISON AAF
MYERS
VEVAY
ELNORA
SKY HAVEN
BEDFORD
EMISON
SCHILT
GEORGE AAF
O'NEAL
LECKRONE
FLORA
WASHINGTON MUN
STILES
SILENT BROOK
AIR HARBOR
BOSS-DENIEN
PRESBYTERIAN
VAN FOSSAN'S
FRENCH LICK SPRGS
CHARLESTOWN
RIVERVIEW
JAMESTOWN
MT VERNON
BECKERMAN
PATOKA
PRINCETON
STRAUB
CHARLESTON
BLUE 3
LANESVILLE
BUSH
JEFFERSONVILLE NEW ALBANY
SKY PARK
HUNTINGBURG
SULPHUR 70
KARSNER
HUNTINGTON
B AND K FLY SVC
WHITE CO.
BOONVILLE
RIVERSIDE
STANDIFORD
WEST POINT
EASTWOOD 9
SHELBY
SILVER LAKE
MT WASHINGTON
SHEPHERDSVILLE 18
FERGUSON
MT VERNON
HARRISBURG-ELDORADO
MARION
HENDERSON
OWENSBORO
BETZEL
NELSON CO.
MADISONVILLE
ST. LOUIS MEMPHIS
STURGIS AAF
GLENDALE INT
KERNEK'S
LEBANON
GOODALL
HARTFORD
MADISONVILLE
AGEE WILLIAMS
MARION-JAYCEE
GREEN BRIER
GREENVILLE-CENTRAL CITY
CAMPBELLSVILLE
CINCINNATI ATLANTA
STREEVAL
ADVANCE
HOWELL
BLUE 44
AMBER 6
BOWLING GREEN 368
NASHVILLE 304
LITTLE ROCK 81 ST. LOUIS 57
CINCINNATI 65
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 4°E TO 1°E
COMPULSORY REPORTING POINT ○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE
LOUISVILLE 83

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Abken (Raceland,Ky)	1.2 NW;riv N	555	22 S4	80 oct P-line W.
Ashland (Ky)	1 E;RR SW	535	27 S4	80 oct. Mtns around fld.
Attaway Air Ranch(Mason,Ohio)	4.2 S;RR NW	850	23 S4	80 oct.No sto.P-line E.
Bethel (Ohio)	1 ESE	890	30 S6	1500' hard-surfaced rnwy
Blue Grass (Lexington,Ky.)	6 W;hwy N	978	40h L5 S6	80,91 oct.Lgts Data unver
Bollinger (Charleston,W.Va)	4.5 SW;riv N	900	21 S4	80 oct. prior req.
Campbell (Cincinnati, Ohio)	6.2 NNW;RR E	820	24 S2	80 oct.P-line WSW
CHARLESTON Range (W.Va)	400(KN)(116.1)		SBMRAZ-DTV	(4); 116.1
* Cherry Fork Int,4,CC-WA(Ohio)	0.5 NNW	939	39 L3	
Cheviot (Cincinnati, Ohio)	9 W;RR 1 E	914	18 S6	80 oct.
Chillicothe Skypark (Ohio)	1.8 N;riv W	640	30 S4	80,91 oct.
CINCINNATI Range (Lunken) (Ohio)	335(CC)(vhf)	227°,5.2	SBRAZ-DTV	(3);116.1,122.1.DTV lctd at Greater Cincinnati Arpt.
Cincinnati Inc.(Sharonville)	2 SE	860	29 S6	80 oct. (Ohio) NE blkd.P-
Clark (Winfield, W.Va)	5 N St. Albans	600	27 S6	73 oct.No sto.Riv E. line N.
CLINTON AAF Range (Ohio)	114.3 (DWO)		VARW	(8-1630 Mon-Fri)
CLINTON CO Army H Fac.(Ohio)	201		MHW	0.2 mi.end Rnwy 22(8-1630, Mon.-Fri.or on 30 min.not.
CLINTON CO. Tower (Ohio)	272 (126.18, 137.88)		CA (ILS-W) (GCA)	(3);126.18,137.7
(A) Clinton Co.AAF (Wilmington)	2 SE;hwy NE	1062	60h L5 S1	73,91,100 oct.IP-1.(Ohio)(A)
Cool Meadow (Lexington,Ky)	4.8 NE;hwy 1 W	910	28 S6	80, 91 oct.Allway fld.
Falmouth (Ky)	2.3 SE;riv E	750	16 S2	80 oct.Trees NE,SW
Goodall (Danville, Ky)	4.2 S;hwy W	990	27 S4	80 oct.WNW,SW blkd.
GREATER CINCINNATI Tower(Ky)	221(126.18,118.5		AC (ILS)	(4);126.18,118.5,122.5 Call:
(P) Greater Cincinnati (Covington)	8.2 W;riv NE	890	55h L6 S6	80,91 oct.(Ky) Kenton Twr.
Hamilton (Ohio)	2.5 SE;RR S	615	29 S6	80,91 oct.Poles SE,SSW.
Harrison (Ohio)	2 ESE;hwy .5 SW	580	26 L1 S6	80 oct.P-line S
Hightman (Lebanon, Ohio)	3 E;RR W	880	16 S1	Trees W,E.80 oct.
Hinton (W. Va)	4.8 WSW;RR E	2600	26 S4	80 oct.P-line NNW.
Hinton-Alderson (Pence Spgs)	1 E;riv,RR S	1520	26	Hill W, E. (W.Va)
HUNTINGTON Range (W.Va)	236 (HI)(116.1)	75°, 2.3	BMRLZ-DTV	(4); 116.1
(P) Huntington(Chesapeake,Ohio)	2 WSW;riv S	560	29h S6	80, 91 oct.
Jody (London, Ky)	2.7 SSE;hwy E	1240	25 L S2	80 oct. Flood lgts.
Jones (Chillicothe, Ohio)	7.2 SE;RR SW	720	24 S2	80 oct.P-line E.
Knore (Minford, Ohio)	2 SE;RR 1 W	670	20 S6	80 oct.No sto.P-line N,S.
Lakewood Arpk (Cincinnati,O)	9.5 NNW	870	20h S6	80,91 oct.P-line E
Lancaster (Ohio)	2.5 E;RR N	830	25 S6	91 oct,P-line E,N.
LEXINGTON Range (Ky)	108.3 (LM)		VARW	
Logan (W. Va)	7.2 NNW;riv E	630	15h S1	80 oct. Hill S,N.
Loving ,35A,NA-WA(Pulaski)	2.8 N;hwy jct NE	2200	28 L3 S4	80 oct.P-line E. (Va)
LUNKEN Tower (Ohio)	227 (118.7)		AC	(4); 118.7, 122.5
(P) Lunken (Cincinnati, Ohio)	4.3 SE;RR SW	488	41h L5 S6	80,100 oct.
Marietta (Ohio)	1.8 ESE;riv S	616	27 S4	80 oct.House NE,bridge NW
Maysville (Ky)	4.8 NW;riv N	555	26 S4	80 oct.
(P) Miami University (Oxford,Ohio)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N, NW.
(P) Middletown (Ohio)	1.5 N;riv N	653	40 S4	80 oct.Poles E, SW.
Morris (Williamson, W.Va)	5 NNW;RR E	600	12 S1	80 oct. P-line S.
Mt.Healthy (Cincinnati,Ohio)	9.5 NW;hwy E	870	22 S6	80 oct.Trees WSW,NE,ENE
Narrows (Va)	1 E;RR S	1550	2052	Ltd 80 oct.Trees W.
North Hamilton (Ohio)	4.5 NNE;RR W	620	19 S4	80 oct. No sto. Poles S..
Ohio University (Athens,Ohio)	1.5 E; RR S	640	40 L S6	80 oct. Port rnwy lgts.
Paris (Ky)	1.2 NNE	850	20 L S1	80 oct.Flood lgts NE,SW. NW blocked.
Parks Watson (Cincinnati,O)	9 NE;RR E	865	26 S6	80, 91 oct.
PAYNESVILLE H Fac. (W.Va)	356 (IR)		H	(6-23)
Princeton (W.Va)	1.7 SW;hwy E	2450	20 S4	80 oct.
PULASKI Range (Loving)(Va)	272(US)(116.1)	247°, 2.1	SBMRAZ-DTV	(4); 116.1
Raven Rock (Portsmouth, O)	3.5 WSW;riv SE	538	24 L3 S6	80,91 oct.P-line NW.
Ravenswood (W. Va)	0.6 NNW;RR W	600	23 S1	Ltd 80 oct.Obst sur fld.
Reed's (Watertown, Ohio)	4.9 W;hwy E,S	820	13 S1	80 oct.P-line NE.Rdo re-
Richlands (Va)	2.7 WSW;RR NW	1950	18 S6	80 oct. Hill E, pairs.
Roane Co. (Spencer,W,Va)	1 SE;hwy N	954	18 S1	80 oct.
Scioto Trail State Forest (Chillicothe, Ohio)	8 SSE;RR NE	640	24	WSW blkd.
(P) Scott (Mt.Hope)(Beckley,W,Va)	2.6 N;hwy W	2440	33 L1 S6	80, 91 oct. Hill E.
Shumate (Jackson, Ohio)	8 SSE;RR NE	720	20 S1	80 oct.
Silver Lake (Frankfort, Ky)	3.2 E;hwy N	750	20 S6	80, 91 oct.
Somerset (Ky)	5 N;RR W		20 S2	80 oct. Data unver.
South Dayton (Dayton, Ohio)	5 SSW;RR W	750	32 S6	80 oct. No sto. Hills S.
Stewart (Parkersburg, W.Va)	2.3 NNW;riv W	602	33 S6	80 oct.
* Sutton Int, 21, CC-WA (W.Va)	3.6 ENE;hwys E,S	1264	31 L3	Pole NNE.
Tri-County (New Holland, Ohio)	3 ESE;RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis,Ohio)	1.8 ENE;riv SE	563	30	Trees E.
Washington (Washington Court House, Ohio) *	4.5 ENE;RR S	910	22 S3	80 oct. P-line S.
Wolfords (Amanda, Ohio)	0.8 E;RR NW	960	13	
Zaleski (Ohio)	1 SSW;RR NW	705	22	Trees,hill NE,SW.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

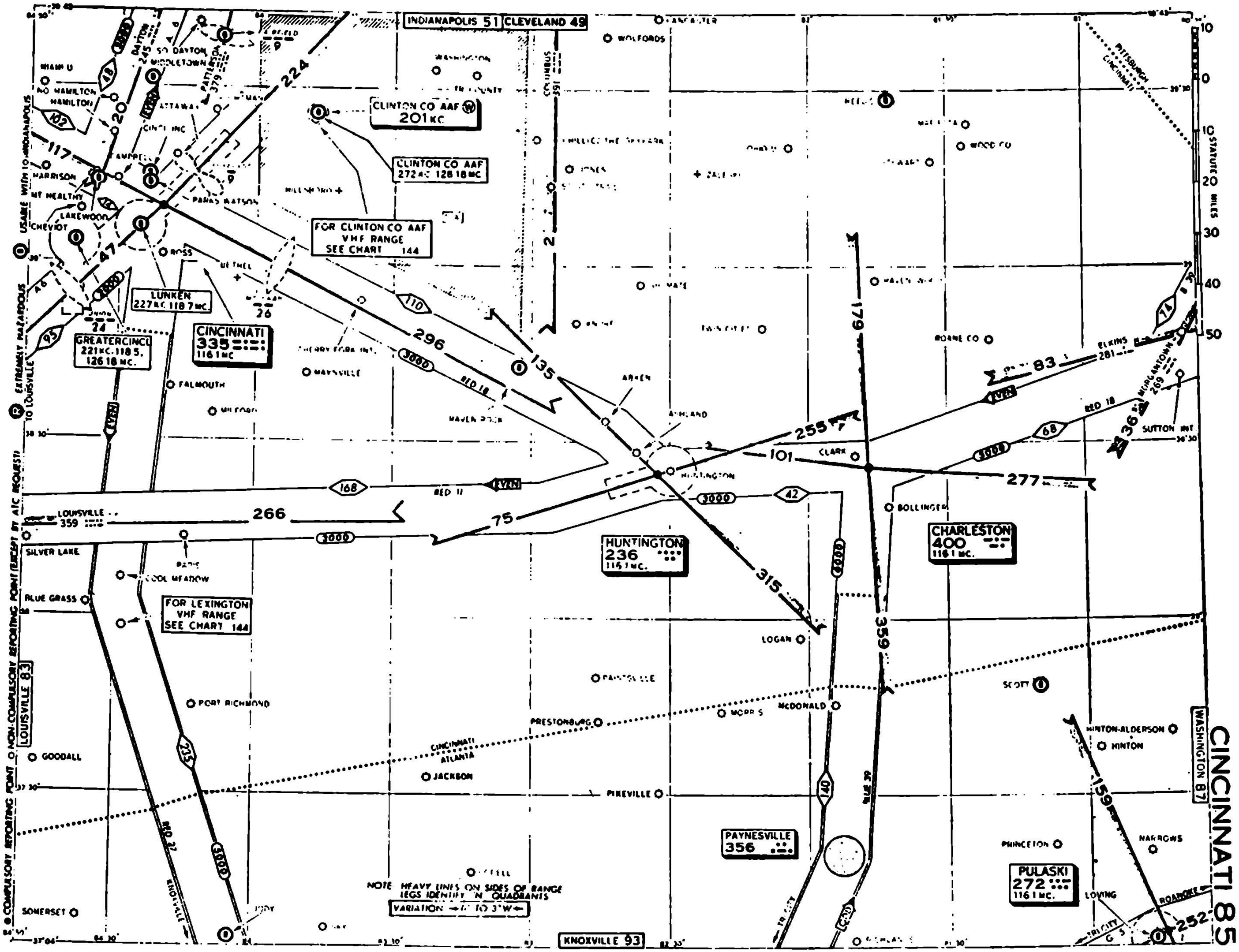
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CLINTON CO. (A)	109.5	332.6	320°	IM- (0.05)	MM-	OM-
					MMK-	OMK
GRTR. CINCINNATI	109.9	333.8	360°	IM-	MM- (0.6)	OM- (4.3)
					MMK- 206	OMK- 215
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Huntington (W. Va)	See Huntington Airport, Chesapeake, Ohio			
Milford (Ky)	0.1 SE;hwy W	500	18 S1	80 oct.
Codell (Darfolk,Ky)	1.6 WSW	860	20 S2	80 oct.Ctn-mtns sur fld.
Prestonburg (Ky)	2.7 N;RR W	575	18 S2	80 oct.P-line S;mtns all sides.
Sky (Manchester,Ky)	2.7 SE;RR W	850	21 S1	80 oct.Mtns sur fld.
Hillsboro (Ohio)	5 W;hwy S		20 S2	80,91 oct.Use strips.Data unver.
Port Richmond (Richmond,Ky)	4.6 E;hwy S	975	18 S1	80 oct.
Ross (Melbourne,Ky)	1.4 ESE;riv NE	475	20 S2	80 oct.P-line SE.
Pikeville (Coal Run,Ky)	0.8 ESE;RR S	675	22 S1	80 oct.Trees NW,SE.
McDonald Fld (Man,W,Va.)	2 WNW;riv N	660	25 S1	80 oct. 0.5 NW Taplin
(P) Wood County (Parkersburg, Jackson (Ky) W.Va.)	7 NE;hwy E	835	45h L5 S6	80,91,100 oct.Lgts emerg only.
	1.3 SE;riv NE	750	12	Hills SE,NW.
Paintsville (Ky)	2.3 ENE;RR E	630	16 S2	80 oct.Ctn,mtns NE,W,SW.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page xiii) —●— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


INDIANAPOLIS 51
CLEVELAND 49
CLINTON CO AAF
201 MC
CLINTON CO AAF
272 MC 128 18 MC
FOR CLINTON CO AAF
VHF RANGE
SEE CHART 144
LUNKEN
227 MC 118 7 MC
CINCINNATI
335
116 1 MC
GREATER CINCI
221 MC. 118 5.
126 18 MC.
HUNTINGTON
236
116 1 MC.
CHARLESTON
400
116 1 MC.
PAYNESVILLE
356
PULASKI
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116 1 MC.
FOR LEXINGTON
VHF RANGE
SEE CHART 144
NOTE HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY IN QUADRANTS
VARIATION 4° TO 3°W
KNOXVILLE 93
LOUISVILLE 83
WASHINGTON 87
CINCINNATI 85
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY A/C REQUEST)
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WOOD CO
ROANE CO
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FALMOUTH
ASHLAND
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PRESTONSBURG
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SILVER LAKE
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PORT RICHMOND
GOODALL
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AMBER 999
AMBER 1000

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Altavista (Va)	5.7 ENE;riv 2 S	650	21	
ARCOLA Range (Va)	233 (EC)(116.1)		SRAZ-DV	(3);116.1
Augusta (Waynesboro, Va)	6 WSW;riv SE	1420	24 S4	80 oct.P-line E.
Baker (Burlington, W.Va)	0.5 NNE;hwy S	740	19 S4	80 oct.
BALTIMORE Range (Md)	257 (BO)(116.1)	15°,2.4	SBMRLZ-DTV	(3);116.1,112.1
BALTIMORE Tower (Md)	278(126.18,118.9)		C	(4);118.9,122.5,126.18
(NG)[Baltimore Mun] (Md)	6 SE;RR N E Harbor S	14	46h L5 S6	80,91 oct;100 oct prior req; stacks NW,SE;no maint for [NG.
Bedford (Va)	1.3 WSW;RR N	105C	16	PRIVATE
(P)Benedum (Clarksburg, W.Va)	6 E;RR 1.14 S	1200	38h S6	80,91 oct.Smudge pots emer
BLACKSTONE Range (Va)	326 (KT)(116.1)	133°,5.5	BMLZ-DTV	(4);116.1
(A)Blackstone (Va)	2.5 ESE;hwy N	440	53h L5	Rnwy lgts on req.ARMY TM; INACT;CIVIL FACS.
Boone (Ronceverte, W.Va)	2 N;hwy SE	2175	19 S6	80 oct.
BRANDYWINE Range (Md)	379 (BDW)(116.1)		SMRLZ-DV	(3);116.1
Bufford's (Montvale, Va)	0.5 S;hwy N	1000	33 S6	80 oct.100 'hill E.
BYRD Tower (Richmond, Va)	396 (126.18,118.7)		AC(ILS-W)	(4);122.5,118.7,126.18
(A)[Byrd] (Richmond, Va)	7.3 ESE;RR S	167	50h L5 S4	73,100 oct.
CAP(Westminster, Md)	2.6 N;hwy E	780	20 S4	80 oct.P-line E,NE.
Central (Va)	2.5 ENE;RR W	172	45 S6	80 oct.Poles WNW,SE.
Colonial Hgts (Petersburg, Va)	2 NNE;RR W	60	25 S1	80 oct.
Covington (Va)	1 E;reservoir E	1500	18 S6	80 oct.
Covington-Clifton Forge (Va)	6.5 E;hwy S	1115	24 S4	80 oct.
Culpeper (Va)	1 SW;quarry W	400	17 S6	80 oct.P-line NE,SW.
(P)Cumberland (Md)	2.5 S;riv N,S	780	58h L5 S6	80,91 oct.Mts SW.Bcn inop.
Currell's (Weems, Va)	1 N;jct of rivs		17 S1	80 oct.P-line SE.Use strips only.Data unver.
DAHLGREN NAF Tower (Va)	375 (142.74)		CN	(3);142.74 (8-16 except Sun)
(N)Dahlgren NAF Proving Grounds (Va) (N)	0.5 E	20	40h L5 S2	100 oct.CLOSED.
Elk Garden (W.Va)	0.1 SSW;RR NW	2275	12 S1	80 oct.P-line NW.
ELKINS Range (W.Va)	281 (EK)(116.1)	174°,2.9	SBMRAZ-DTV	(4);116.1 [P-line NW.
(P)[Elkins] (W.Va)	2.6 S;riv W	1988	45h L5 S4	80,91 oct.Fld lgts on req.
Elkton (Va)	3 NW;mtn W	1100	19 S1	80,91 oct.P-line SW.
Farmville (Va)	2.5 NW;riv N	325	20 S6	80 oct.Hill W.
Forman (Terra Alta, W.Va)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
Frederick City (Frederick, Md)	1.8 E;riv E,N	305	49	
FRONT ROYAL Range (Va)	359 (FZ)(116.1)		SBMRAZ-DTV	(4);116.1
Gordonsville (Va)	2.9 NE;RR S,SE	475	18 S6	80 oct.Trees NE,SW.
★★ Gordonsville Int,51,NA-WA (Va)	5 SSE	438	31 L3	P-line SW.
(P) Greenbriar (White Sulphur Springs, W.Va.)	2.3 W;hwy N;RR S	1795	35h S4	80,91 oct.
Hagerstown (Md)	4.2 N;hwy E	700	39h L3 S6	80,91 oct.Lgts on req.
Harcum (Va)	0.2 NW	85	40	Poles.Rnwy data unver.
Hartman (Harrisonburg, Va)	1 NW	1350	27 S6	80,91 oct.Rnwy data unver.
Hermitage (Richmond, Va)	3.2 NNW;RR W	200	20 S6	80 oct.Trees,poles E,W.
Hopewell (Va)	3.3 E;riv N	20	24 S6	91 oct.
Hummel (Hartfield, Va.)	3 N	30	21	Obst sur fld.
Ingalls (Hot Springs, Va)	3 S;hwy W	3780	31 S1	80 oct.Closed winters.
LANGLEY Army Range (Va)	221 (DLY)	102°,3.8	SBMRAPZ-DT	(3)
LANGLEY Tower (Va)	278 (126.18)+		CA (GCA)	(4);126.18
(A)Langley (Va) (A)	3 N Hampton	10	70h L5 S6	73,91,100 oct.JP-1.
Leesburg (Va)	0.7 ESE;hwy S	280	20	P-lines NE.
Lewis (Buckhannon, W. Va)	2.4 W;hwy N	1435	18 S4	80 oct.Hills sur fld.
Lexington (Va)	2.7 SW;hwy S	1200	17 S1	73 oct.P-line NE,SW.
★★ Lively Int,6,NW-WA (Va)	3.4 WSW;riv W	15	34 L3	Trees,bldgs NW.
(P)Louis Bennett (Weston, W. Va)	3.2 N;RR E	996	37	Hill S;p-line WNW.
Luray (Va)	1.5 S;hwy W	900	19 S1	80 oct.Fence NNE,SSW.
LYNCHBURG Range(Preston Glenn)	206(LB)(116.1)	165°,1.9	SBRAZ-DTV	(4);116.1 (Va)
Marlinton (W.Va)	1.5 NNE;RR SE	2475	21 S2	80 oct.Hill WNW.
MARTINSBURG Range (W.Va)	209 (MR)(116.1)	35°,2.9	SBMRLZ-DTV	(4);116.1
(P)Martinsburg (W. Va)	4 S;hwy W	550	50h L5 S6	80,91,100 oct.No flood lgts.
Mexico Farms (Cumberland, Md)	3 S;RR E	630	36 S2	80 oct.Mtns E.
Midway (Chester, Va)	2 E;hwy S	178	26 S6	80 oct.P-line W.
Moorefield (W. Va)	0.8 NE;RR W	980	26 S4	80 oct.Trees WNW.
(P)Morgantown (W. Va)	2.2 ENE;hwy NW	1256	36h L3 S6	80,91 oct.
MOUNT VERNON MH Fac	269 (W)	209°,8.2	FMHW	cont.(Washington,D.C.)
New Markert-Timberville	3.4 E;RR E	975	21 S1	80 oct.(Timberville,Va)
North End (Martinsburg, W.Va)	2.5 NNE;RR W	515	28 S2	80 oct.P-line S.
Northfield (Richmond, Va)	6.5 N;riv NE	180	18 S4	80 oct.
Orange County (Orange, Va)	4 E;hwy S		26 S2	80 oct.Data unver.
Parnell (Richmond, Va)	4 S;RR E,W	120	19 S6	80,91 oct.P-line NW.
PATUXENT RIVER Navy Range (Md)	215(NHK)	57°,4.4	MRLZ-D	(3);142.74
PATUXENT RIVER NAS Tower (Md)	347(142.74)		CN(GCA)	(3);142.74
(N)Patuxent River NAS (Md)(N)	2.9 NE Jarboes	38	97h (L6)S4	91,100 oct.JP-1.NATS.
Petersburg (Va)	6.2 WSW;RR N	190	50h	
✓★ Petersburg Int,29,CC-WA(W.Va)	1.2 WSW;riv N	945	27 L2 S4	80 oct.
(N)Piney Point (Md)	0.8 WNW	10	14h	Use rnwys only.
PRESTON GLENN Tower (Va)	248		C	(4)
(P)[Preston Glenn](Lynchburg, Va)	6.7 SSW;RR SE	935	40h L5 S6	80,91 oct.
QUANTICO Navy Range (Va)	203 (NYG)	20°,4.6	MRLZ	3105, 4495
QUANTICO MCAS Tower (Va)	3295 (142.74)		CN	(3);142.74
(N)Quantico MCAS (Va)(N)	1.2 SSW;RR W	10	42h L5 S6	73,91,100 oct.
Radford (Va)	1 SW;RR N,W	1950	18 S1	80 oct.P-line W.
Reynolds (Culpeper, Va)	4 NNE;rd W	470	19 S4	80 oct.Trees NNE,SSW.
RICHMOND Range (Va)(Byrd)	260 (RW)(116.1)	20°,1.9	SBRAZ-DTV	(3);116.1
Ridgeway (Bunker Hill, W.Va)	2.3 SSW;RR E	600	20 S6	80 oct.P-line SSW.
ROANOKE Range (Va)(Woodrum)	371 (RO)(116.1)	349°,1.8	SBRAZ-DTV	(3);116.1
Romney (W. Va)	2.1 NNE;riv W	750	16 S2	80 oct.Mtns WNW,ESE,SSE.
Shannon (Fredericksburg, Va)	1.6 SSE;riv E	50	23 S6	80 oct.
Shenandoah (Va)	0.5 SW;hwy W		19 S1	Data unver.
Staunton (Va)	4.4 NE;RR NW	1300	26 S6	80,91 oct.P-line NNE.
Stevens (Frederick, Md)	5.8 N;hwy E	440	28 S6	80 oct.NE blocked.
Stokes (Front Royal, Va)	2.5 W;riv E	735	19 S2	80 oct.P-line S,E.
Taneytown (Md)	2.9 WNW	500	23 S4	80 oct.SW blocked.
Tappahannock (Va)	0.8 W	30	40h	8000' strip available.
Timberlake (Lynchburg, Va)	9.5 SW;RR N	950	26	
(P)University of Va (Charlottesville, Va)	5 ESE;riv E	300	35 S6	80,91 oct.Trees ESE. data unver.
Valley (Waynesboro, Va)	1.7 NNE;RR E	1245	29 S6	80 oct.P-line E,SSW.Rnwy data unver.
V.P.I.(Blacksburg, Va)	1.3 SSE;RR W	2100	30h L S6	80,91 oct.Flood lgts only.
WASHINGTON Range (D.C.)	332(WA)(116.1)	25°,0.9	SBRAZ-DTV	(3);116.1
➤WASHINGTON NAT'L Tower (D.C.)	278(126.18.118.5. 118.1)		AC (ILS) (GCA)	(4);118.5,118.1,126.18, 122.5
(A,N)[Washington National](D.C.)	2 S Monument	17	69h L6 S2	80,91,100 oct.JP-1 on req. Rdo rgrd.FOREIGN CLEAR STN.NATS.
Waynesboro (Va)	3 W;hwy N	1500	26 S1	80 oct.Trees WSW.
WEBSTER Tower (Md)	3345 (142.74)		CN	3105;142.74(24 hrs adv not).
(N)Webster (Beechville, Md)(N)	0.8 WSW;riv N,W	21	50h	Trees ENE.
(P)West Point (Va)	2.3 ESE;riv SSW	24	50h S4	80,91 oct.
William & Mary (Williamsburg, Va)	3 NNW;RR SW	105	29 S4	80,91 oct.Trees NE,SW,W.
Winchester (Va)	3 SSE;hwy E,S	700	22 S6	80 oct.
WOODRUM Tower (Va)(Roanoke)	278 (118.5)		AC	(4);126.18,118.5,122.5
(P)[Woodrum](Roanoke, Va)	4.2 NNW;hwy E	1162	43h L5 S6	80,91,100 oct.100 oct Army
Zieger (Warrenton, Va)	3.7 S;hwy NE	440	20 S4	80 oct.Hill WNW.

INSTRUMENT LANDING SYSTEMS *(Localizer, Glide Path in mcs, Compass Locator in kcs)*

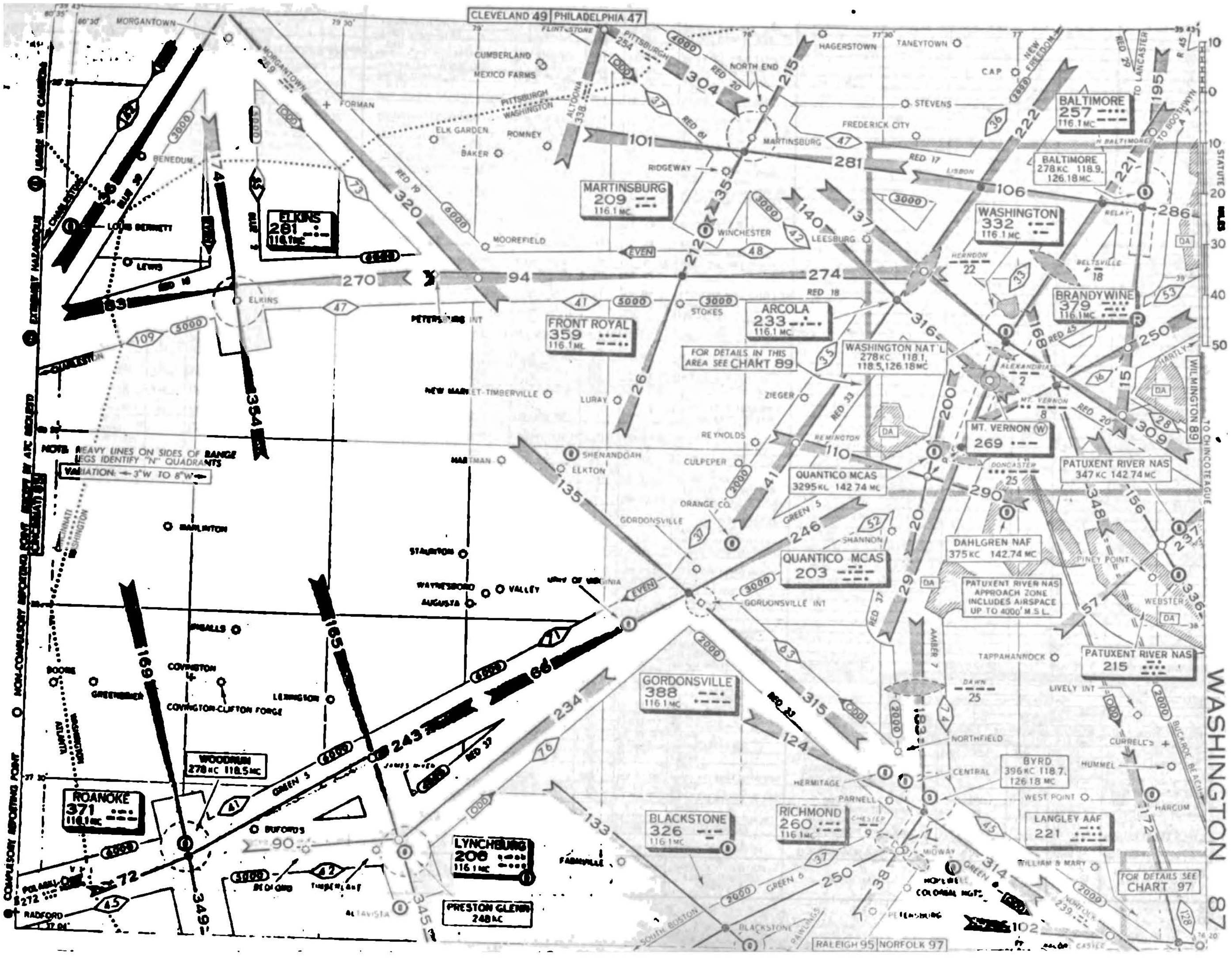
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
➤ BYRD	109.9		63°	IM-	MM- •—•—(0.90)	OM- — — (4.36)
					MMK-	OMK-
WASHINGTON	109.9 •— — •—	333.8	360°	IM- •••••• (0.03)	MM-	OM- — — (3.60)
					MMK-	OMK-

NEW FACILITIES

GORDONSVILLE Range(Int)(Va)	388(GT)(116.1)	135°,2.5	SBMRAZ-DTV	(4); 116.1

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ➤ New or revised data. [Jones] - Airline Stop. N.B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


CLEVELAND 49
PHILADELPHIA 47
MORGANTOWN
CUMBERLAND
MEXICO FARMS
FORMAN
ELK GARDEN
ROMNEY
BAKER
BENEDUM
LEWIS
ELKINS
281
116.1MC
MOOREFIELD
MARTINSBURG
209
116.1 MC
RIDGEWAY
WINCHESTER
FLINT-STONE
NORTH END
HAGERSTOWN
TANEYTOWN
CAP
STEVENS
FREDERICK CITY
MARTINSBURG
BALTIMORE
257
116.1MC
BALTIMORE
278KC 118.9,
126.18MC
WASHINGTON
332
116.1 MC
LISBON
HERNDON
22
BELTSVILLE
18
BRANDYWINE
379
116.1MC
ELKINS
FRONT ROYAL
359
116.1MC
STOKES
ARCOLA
233
116.1 MC
FOR DETAILS IN THIS
AREA SEE CHART 89
WASHINGTON NAT'L
278KC 118.1,
118.5,126.18MC
ALEXANDRIA
2
MT. VERNON
8
MT. VERNON (W)
269
ZIEGER
LURAY
NEW MARKET-TIMBERVILLE
REYNOLDS
REMINGTON
CULPEPER
SHENANDOAH
ELKTON
ORANGE CO.
GORDONSVILLE
QUANTICO MCAS
3295KC 142.74 MC
PATUXENT RIVER NAS
347 KC 142.74 MC
DAHLGREN NAF
375KC 142.74 MC
SHANNON
QUANTICO MCAS
203
PATUXENT RIVER NAS
APPROACH ZONE
INCLUDES AIRSPACE
UP TO 4000' M.S.L.
GORDONSVILLE INT
PATUXENT RIVER NAS
215
TAPPAHANNOCK
LIVELY INT
NORTHFIELD
CENTRAL
HERMITAGE
PARNELL
WEST POINT
BYRD
396KC 118.7,
126.18 MC
LANGLEY AAF
221
FOR DETAILS SEE
CHART 97
WILLIAM & MARY
COLONIAL HGTS.
PETERSBURG
BLACKSTONE
326
116.1MC
RICHMOND
260
116.1MC
GORDONSVILLE
388
116.1MC
LYNCHBURG
208
116.1MC
PRESTON GLENN
248MC
ROANOKE
371
116.1MC
WOODRUM
278MC 118.5MC
BUFORD'S
FARMVILLE
BLACKSTONE
RALEIGH 95
NORFOLK 97
MARLINTON
STAUNTON
WAYNESBORO
AUGUSTA
VALLEY
BOONE
GREENBRIER
COVINGTON
COVINGTON-CLIFTON FORGE
LEXINGTON
BLUEFIELD
RADFORD
PULASKI
NOTE: HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY "N" QUADRANTS
VARIATION 3°W TO 8°W
NON-COMPULSORY REPORTING POINT
PITTSBURGH
WASHINGTON
CINCINNATI
WASHINGTON
WILMINGTON 89
TO CHINCOTEAGUE
TO LANCASTER
TO BOOTHWYN
N BALTIMORE
NEW FREEDOM
WASHINGTON 87

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
Aberdeen (Md)	0.8 SW; hwy SE	60	24 S4	80 oct.
Aldino (Churchville, Md)	2.2 NE; RR SE	400	20 S6	80 oct.
Alexandria (Va)	4.5 SSW; hwy E	66	50 S6	80 oct. Trees, p-line sur fld
ANACOSTIA NAS Tower (Washington, D.C.)	396 (142.74)		CN	(3); 142 74 (7-sunset)
(N) Anacostia NAS (Washington, D.C.) (N)	2.4 SE of Monument	10	50h L5 S6	100 oct. No bcn
ANDREWS Army Range (Md)	248 (DCM)	10°, 1.2	MLZ	
ANDREWS Tower (Md)	317 (126.18)+		CA(ILS-W)(GCA)	(3); 126 18
(A) Andrews (Camp Springs, Md.) (A)	1.5 E; hwys N, W, NE	279	55h (L6) S6	80, 100 oct. JP-L
Annapolis (Md)	2 S	25	18 S4	80, 91 oct P-line SSW, twr SSE.
ANNAPOLIS NAF Seaplane Tower (Md)	2870 (142.74)		CN	3105, 2870, 6420; 142 74 (8-17)
ARCOLA Range (Va)	233 (EC) (116.1)		SBRAZ-DV	(3); 116 1
Atlantic City (N.J.)	1.3 WSW; RR N	11	31 S2	80, 91 oct 350' tank E lgtd
ATLANTIC CITY NAS Tower (N.J.)	275 (142 74)		CN(GCA)	(3); 142 74 (8-sunset)
(N) Atlantic City NAS (N.J.) (N)	10 NW; RR NE	70	50h L5 S4	80, 100 oct. Lgts prior req.
BALTIMORE Range (Md)	257 (BO) (116.1)	15°, 2 4	SBMRLZ-DTV	(3); 116 1, 122 1
BALTIMORE Tower (Md)	278 (126.18, 118.9)		C	(4); 126.18, 118 9, 122 5
(NG) Baltimore Mun.] (Md)	6 SE; RR NE; harbor S	14	46h L5 S6	80, 91 oct; 100 oct prior req; stacks NW, SE; no maint for
Beacon (Alexandria, Va)	3 SSW; hwy E	246	27 L4 S6	80, 91 oct P-line SE, S & NG NW blkd. Flood lgts prior request.
Bellanca (New Castle, Del)	1.5 W; hwy N	30	25h L3 S6	80, 91 oct. No bndry lgts P-line SW.
(N) Beltsville OLF (Md) (N)	5 ESE	180	44h	
Biggs (New Castle, Del)	1 NW; RR E	60	19 S6	80 oct. P-line NE
Blue Ridge (Herndon, Va)	4 WSW; hwy NE	280	30	P-line E
BOLLING Tower (D.C.)	212 (126.18, 137.88)+		CA	(3); 126 18, 137 88
(A) Bolling (Washington, D.C.) (A)	3 SSE of Monument; riv W	20	60h L5 S6	80, 91, 100 oct E blkd
BRANDYWINE Range (Md)	379 (BDW) (116.1)		SMRLZ-DV	(3); 116 1
Bridgeville (Del)	1.7 SE; hwys S, W	40	22 S6	80 oct. P-line NW
Bridgeton-Deerfield (Bridgeton, N.J.)	8.5 N; hwy E	125	19 S2	80 oct. P-line E
Bucks (Bridgeton, N.J.)	3.7 NNE; RR SE	100	20 S4	80 oct. P-line S, W
(CG) Cape May CGAS (N.J.) (CG)	2.5 ENE	13	35h	CLOSED
Capital (Berwyn, Md)	2 NW; RR E	70	20	Not maintained
Cavoli's (Richland, N.J.)	1.5 W; RR N	100	20 S6	80 oct. P-line NNE; trees WNW
CHINCOTEAGUE Navy Range	227 (NKZ)	98°, 4.5	MRLZ	3105, 4495; 142 74 (Va)
CHINCOTEAGUE NAAS Twr.	3295 (142.74)		CN	(3); 142 74 (8-17) (Va)
(N) Chincoteague NAAS (Va) (N)	4.5 WNW; hwy S	38	60h L5 S4	100 oct.
Clarke (Ocean City, N.J.)	See Ocean City under "New Facilities" - name changed.			
College Park (Md)	8.5 NE of D.C.	50	22 S6	80, 91 oct S, NW blkd. RR NW
Columbia (Croom, Md)	3 E; riv E	40	33 S6	80, 91 oct Trees N, NW
Congressional (Rockville, Md)	2 SSE; hwy E	450	33 S6	80 oct. P-line E, NE. Allway field
Crossroads (Alexandria, Va)	4.5 N W; hwy NE	250	27	
Curtis (Brandywine, Md)	3 SSW; RR E	200	18	P-line N, W
Davis (Gaithersburg, Md)	7.5 NNE; hwy E	640	26 S6	80, 91 oct. Trees ESE.
Delmarvia (Salisbury, Md)	2.8 NE; hwy W	45	21 S6	80 oct. P-line N, E, NE
De Vries (Lewes, Del)	1, 3 NW; bay N	10	20	
Diffendahl (Baltimore, Md)	11 ESE; riv S	20	23 S2	80 oct. Trees all appchs.
Dixie (Annapolis, Md)	10.7 W; hwy N	120	22 S4	80 oct.
Dover (Del)	2.2 N; RR W	37	25 L S6	80, 91 oct. Port flood lgts
(A) Dover AAF (Del) (A)	4 SE; hwy E	28	70h L1	P-line W, SW.
Downstown (Landisville, N.J.)	1.8 WNW; RR S	120	25 S6	TMP INACT.
Edgewood (Md)	2.2 N; RR E	66	40h L S6	80, 91 oct. Obsts sur fld.
(A) Edgewood Arsenal (Md) (A)	1.3 S	18	50h L5 S4	80, 91 oct. Port lgts.
Erco (Riverdale, Md)	0.4 NE; RR W	50	15h S2	91, 100 oct. No bcn. CLOSED
Falls Church (Va)	2 SW; hwy N	350	25 S4	90 oct. 2600' strip avail. CLOSED
Faybrook (Rock Hall, Md)	1.5 NNW; bay W	20	14 S1	80 oct. E, N blkd.
Forked River (N.J.)	1 ESE; riv S	12	18 S4	80 oct. Trees WNW, NNE, E.
(A) Fort Meade (Md) (A)	0.5 NE; center of resery.	180	19h S1	80 oct.
Gill (Chestertown, Md)	1.5 NNE; RR W	60	32 S2	80 oct. P-line W, SW; NW blk
Glenburnie-Whipp (Glenburnie, Md)	1 E; hwy W	56	30 S6	80 oct. P-lines sur fld.
Greenwich (N.J.)	2.5 W; riv SW	30	21 S6	80 oct. Trees N.
Harrington (Del)	1.5 E; RR 1 S	50	27 S1	80 oct. P-line SE, SW, W, WNW
Hickman (Ocean City, Md)	7.5 NW; riv S	15	25 S4	80, 91 oct Flares on req.
Holly Brook (Laurel, Del)	1.5 N; RR, hwy W	40	25 S1	80 oct.
Hyde (Clinton, Md)	2 WSW	249	32h L S6	80, 91 oct Port flood lgts on req.
Johnson (Ononcock, Va)	1 ESE; RR E	35	22 S1	80 oct.
Kellam (Weirwood, Va)	0.3 SW; RR E	15	21 S4	80 oct. Trees NW
Kent (Worton, Md)	1 N; RR S	60	23 S2	80 oct.
Kroelinger (Vineland, N.J.)	2.5 NNW; RR E	100	16 S6	80 oct. P-line S, E
Laurel (Del)	1.5 SW; hwy E	30	19 S2	80, 91 oct. P-line SE
Lee Annapolis (Annapolis, Md)	4.8 WSW; hwy E	30	28 S1	73, 91 oct. P-line ESE. Rnwy data unver.
Lovett (Elkton, Md)	3.1 NNE; RR 1 SE	140	22 S4	80 oct.
Manassas (Va)	2.7 NW; RR S	250	22 S6	80 oct. Obsts sur fld.
MARTIN Tower (Md)	317		CI	(4) (8-sunset Mon.-Fri.)
Martin (Baltimore, Md)	10 E; RR N	18	70h	PRIVATE.
Maryland (Pomonkey, Md)	0.2 S; RR S	170	32 S6	80, 91 oct. SSE blkd.
Mattaponi (Croom, Md)	1.6 SE; hwy 1 W	30	31 S1	80 oct.
(P) Melfa (Va)	1.3 W	48	70h	
Midway (Showell, Md)	1.1 SE; hwys W, S	20	30 L S4	80 oct. P-line SSW. Flare pots on req.
MILLVILLE Range (N.J.)	365 (NV) (116.1)	144°, 4.3	SBRA-DTV	(4); 116.1
(P) Millville (N.J.)	3.3 SW; lk N	68	50h L5 S6	80, 91 oct. Flood lgts on req.
MOUNT VERNON H Fac. (Va)	269 (W)	209°, 8.2	FMHW	(Cont.) Washington, D.C.
NEW CASTLE Range (Del)	350 (NC)	19°, 2.8	MRLZ	Replies on twr freq. except on req.
NEW CASTLE CO Tower (Del)	219 (118.5, 126.18)		CI	(4); 118 5, 122 5, 126 18
New Castle Co (New Castle, Del)	4 SW; hwy SE	75	70h L5 S6	80, 91 oct; 73, 100 oct NG Emerg. rprs mil acft.
Oliver (Millville, N.J.)	1.3 NE; rds NW	50	19 S6	80 oct. P-line N
Parksley (Va)	0.6 WNW	25	18 S4	80 oct.
Penns Grove (N.J.)	3 SE; lk ENE	10	23 S4	80 oct. Obsts sur fld
PHILADELPHIA SW Range (Pa)	266 (PG) (116.1)	97°, 3.0	SBMRAZ-DTV	(4); 116 1
PHILLIPS Tower (Md)	215 (126.18)		CA	(3); 126 18 (8-18 Mon thru Fri) (8-1630 Sat & Sun.)
(A) Phillips (Aberdeen, Md) (A)	3.2 S; RR W	57	50h L5 S1	100 oct. CLOSED.
Pimlico (Baltimore, Md)	6 NW	449	32 S6	80, 91 oct E blkd.
Pleasant Valley (Arcola, Va)	2.7 ESE	320	20 S2	80 oct. N blkd.
Pocomoke (Pocomoke City, Md)	1.6 E; hwy NW	10	18 S4	80 oct. P-line NW
QUANTICO MCAS Navy Range (Va)	203 (NYG)	20°, 4.6	MRLZ	3105, 4495
QUANTICO MCAS Tower (Va) (N)	3295 (142.74)		CN	(3); 142.74
Quantico MCAS (Va) (N)	1.2 SSW; RR W	10	42h L5 S6	73, 91, 100 oct.
Queens Chapel (Hyattsville, Md)	1.5 W; hwy NE	34	19 S6	80 oct. NE blkd. P-line SE
Red Lion (St. Georges, Del)	3.2 N; hwy W	50	19 S4	80 oct.
Rehoboth Acft. (Rehoboth Beach, Del)	2.5 W; hwy N	10	35 L S6	80, 91 oct. Port lgts on rec P-lines WNW, E, W.
Rock Hall (Md)	2.4 NNE; hwy W	30	30 S4	80 oct.
Rutherford (Baltimore, Md)	7 W; RR W	500	23 S6	80 oct. Twr N
Salem (N.J.)	2 ESE; rd S	15	22	CLOSED
Salisbury (Md)	5.3 ESE	52	50h L5 S1	91 oct. Lgts prior req.
Schrom (Greenbelt, Md)	0.3 SW; hwy W	177	50h L S6	80, 91 oct. Flood lgts on req. SSE blkd.
Seabrook (Bridgeton, N.J.)	4.5 NE; RR W	110	24 S1	80 oct. P-line W, WSW.
Shady Side (Md)	1.8 SSW	10	15 S4	80 oct. SSW blkd.
Shallcross (Middletown, Del)	1.2 NNW	60	26 S4	80 oct. N, E, S blkd.
Smith (Cape May, N.J.)	2.2 NE; hwy NW	20	19 S2	80 oct. P-line E, NW.
Smyrna (Del)	0.8 E; riv 0.5 N	20	18 S2	80 oct. S blkd. P-line N
Springfield (Annandale, Va)	3.5 SSE; RR E, N	240	20 S4	80 oct. Obsts sur fld
Star Harbor (Williamstown, N.J.)	0.8 N; hwys SE, NW	150	18 S1	80 oct. P-lines ENE, SSW, WSW.
Sunglo (Dover, Del)	1.3 S; hwy W	30	13 S1	80 oct. P-line NNE
Sussex (Frankford, Del)	1.5 N; hwy W	30	20 S4	80 oct. Port flares on req.
(P) Sussex Co. (Georgetown, Del)	1.5 E; RR NW	51	50h L5 S1	80, 91 oct. Lgts prior req.
Toms River (N.J.)	1.3 N; hwy W	70	21 S1	80 oct. Bush N, ESE
Vineland (N.J.)	4.3 SSW; RR 1 E	65	24 S6	80 oct. P-line E. Use center of strips.

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
WASHINGTON Range (D.C.)	332 (WA) (116.1)	25°, 0.9	SBRAZ-DTXV	(3); 116 1
WASHINGTON NATIONAL Tower (D.C.) (A,N) [Washington National] (Washington, D.C.)	278 (126.18, 118.5, 118.1)		AC (ILS) (GCA)	(4); 126.18, 122 5, 118 1, 118.5
	2 S of the Monument	17	69h L6 S2	80, 91, 100 oct. JP-I on req. FOREIGN CLEARANCE STN. Rdo rqrd. NATS.
Webb (Easton, Md)	2.5 E	50	26 S6	80 oct. P-line S, SE.
Wildwood (N.J.)	6 WNW; RR E	22	50h S6	80 oct.
(P) Woodbine (N.J.)	2 SE	39	33h L1 S6	80, 91 oct. Bcn on req.
Woodstown (N.J.)	3 NW; hwy N	100	22 S4	80 oct. Hedge SSE.

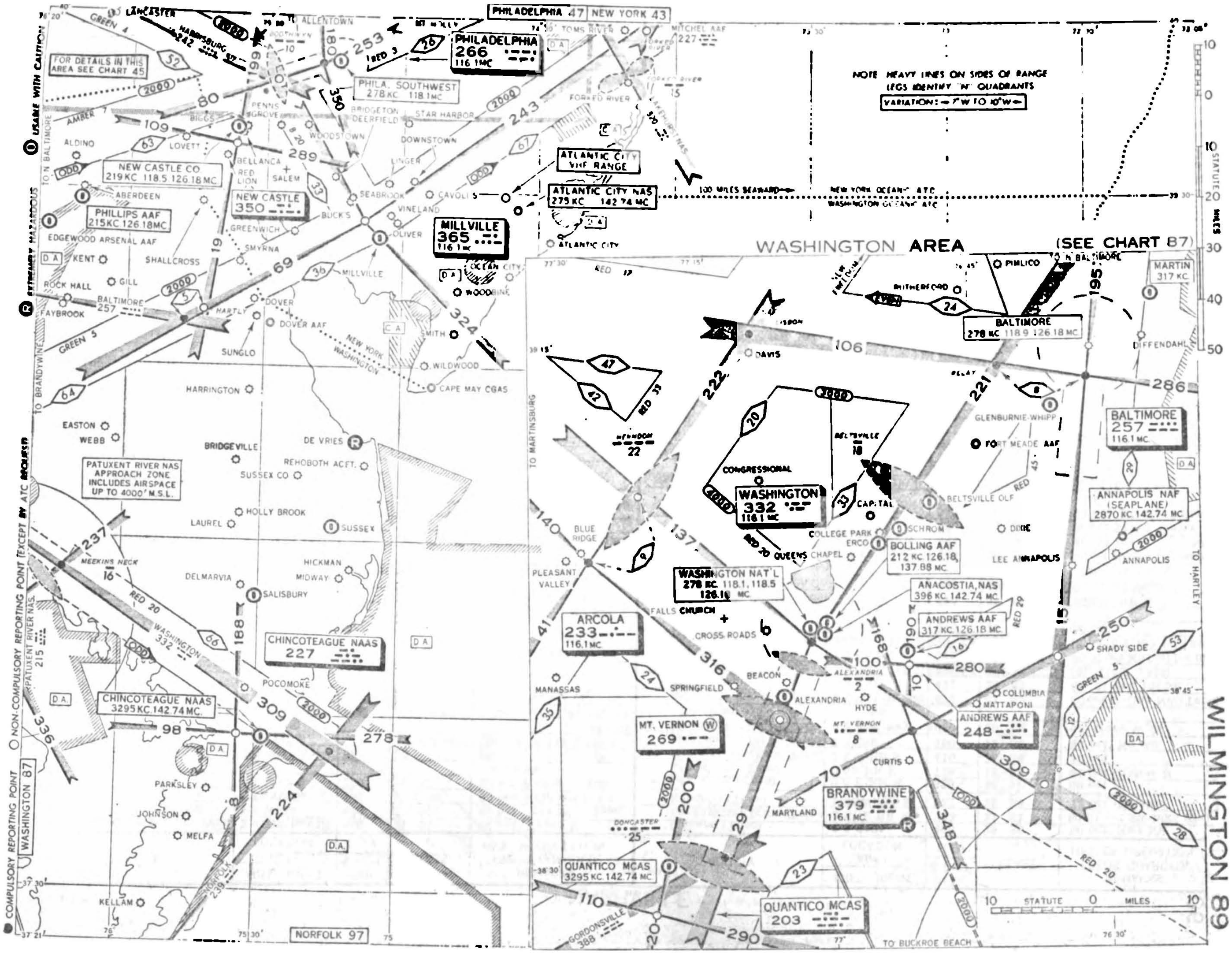
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs. Compass Locator in kcs)

LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ANDREWS (L6) (A)	110.3	335	10°	IM- (0.05)	MM- (1.20)	OM-
					MMK- 379	OMK-
WASHINGTON	109.9	333.8	360°	IM- (0.03)	MM-	OM- (3.60)
					MMK-	OMK-

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
Ocean City (N.J.)	NOW FACILITIES			
	2.8 SW; RR SE	8	24 S4	80 oct. Rnwy data unver.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) ➡ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


PHILADELPHIA 47 | NEW YORK 43
PHILADELPHIA 266 116.1MC
PHILA. SOUTHWEST 278KC 118.1MC
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "IN" QUADRANTS
VARIATION: 7°W TO 10°W
ATLANTIC CITY VHF RANGE
ATLANTIC CITY NAS 279 KC 142.74 MC
100 MILES SEAWARD
NEW YORK OCEANIC ARTC
WASHINGTON OCEANIC ARTC
WASHINGTON AREA (SEE CHART 87)
NEW CASTLE CO. 219KC 118.5 126.18MC
NEW CASTLE 350
PHILLIPS AAF 215KC 126.18MC
MILLVILLE 365 116.1 MC
BALTIMORE 278 KC 118.9 126.18 MC
MARTIN 317 KC
BALTIMORE 257 116.1MC.
ANNAPOLIS NAF (SEAPLANE) 2870 KC 142.74 MC
WASHINGTON 332 116.1 MC
BOLLING AAF 212 KC 126.18, 137.88 MC.
ANACOSTIA, NAS 396 KC 142.74 MC.
ANDREWS AAF 317 KC 126.18 MC.
ARCOLA 233 116.1MC.
ANDREWS AAF 248
MT. VERNON 269
BRANDYWINE 379 116.1 MC.
QUANTICO MCAS 3295 KC 142.74 MC
QUANTICO MCAS 203
PATUXENT RIVER NAS APPROACH ZONE INCLUDES AIRSPACE UP TO 4000' M.S.L.
CHINCOTEAGUE NAAS 227
CHINCOTEAGUE NAAS 3295 KC 142.74 MC.
NORFOLK 97
WASHINGTON 87
USARE WITH CAUTION
EXTREMELY HAZARDOUS
TO N BALTIMORE
TO BRANDYWINE
TO MARTINSBURG
TO HARTLEY
TO BUCKROE BEACH
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC INSTRUCTIONS)
COMPULSORY REPORTING POINT
FOR DETAILS IN THIS AREA SEE CHART 45
WILMINGTON 89
10 STATUTE 0 MILES 10

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
(P) Abernathy (Pulaski, Tenn)	3.6 SSW; hwy NE	650	31 S1	80 oct. Trees E.
Ashland City (Tenn)	1.8 WNW	400	22 S6	80 oct. Riv SW. req.
Athens (Ala)	3.2 NNW; hwy E	780	27 L S4	80 oct. Strip lgts prior
Baldwyn (Miss)	0.5 E; rd S	380	15 S2	80 oct. S blkd. Soft when wet
Beaver Dam (Decatur)	7 E; RR 3.5 N	580	20	(Ala)
BERRY Tower (Tenn)	278 (118.3, 126.18)		AC(ILS-W)	(4); 126.18, 118.3, 122.5
(A) [Berry] (Nashville, Tenn)	6 SE; hwy S	606	55h L6 S6	Army 80-100 oct. 73, 91, 100 oct.
Bomar Airways (Shelbyville, Tenn)	5 N; hwy W	825	22 S6	80 oct. P-line W.
BOWLING GREEN Range	368 (BA)	296°, 3.8	SBMRAZ-DT	(4)
(P) Bowling Green (Ky)	2.5 SSE; hwy W	540	40h L5 S4	80, 91 oct. Fld lgts on req. to commun. stn.
Boyd (McMinnville, Tenn)	4.6 SW; RR N	1000	20	
Brown (Hohenwald, Tenn)	1 ESE; hwy S	950	20 S1	80 oct. P-line SE, SW
(A) Campbell AAF (Hopkinsville, Ky.) (A)	12.8 S; RR E	557	54h	TMP INACT-NO FACS. CLOSED.
CHATTANOOGA Range (Tenn)	341(CB)(116.1)	203°, 3.0	SBRAZ-DTV	(3); 116.1, 122.1
CHATTANOOGA-LOVELL Tower (Tenn)	278 (126.18, 118.9)		C	(4); 126.18, 118.9, 122.5
[Chattanooga-Lovell]	5.5 E; RR E	678	45h L5 S6	80, 91 oct. (Tenn)
Clifton (Tenn)	1.4 E Lake W	402	28 S1	80 oct.
Cookeville (Tenn)	1.5 NNE; RR N	1050	25 S4	80 oct. Sto in emerg. Poles W.
Corinth 7, PS-TM (Miss)	5 WSW; hwy N	418	35 L5 S1	80 oct.
Cornelia Fort (Nashv'l) Tenn)	6 ENE; riv E	420	30 L S6	80 oct. Flood, strip lgts 2200, Mon thru Thurs.
Courtland (Ala)	1.8 W	588	50h	CLOSED.
(P) Crossville, 9, NA-WA	3.3 WNW; hwy S	1862	30 L3	(Tenn)
Cumberland (Nashville)	3 NNW; riv N	400	34 S6	80 oct. No sto. (Tenn)
Dalton (Ga)	5.7 ESE; riv NE	700	22 S1	80 oct. Trees N.
Davenport (Ft. Payne, Ala)	1.1 NE; RR, hwy NW	1010	24 L S4	80 oct. Flares prior req.
DeSoto Park Land Strip (Ft. Payne, Ala)	6 NE; Top of mtn ridge	1556	18	Trees ESE, WNW. Rocky spots.
Dick's (Fayetteville, Tenn)	1.5 S; hwy E	600	14	P-line E. Trees W.
Franklin Air Svc. (Tenn)	1.3 WSW	645	18 S1	80 oct. E blocked
Garnett (Hopkinsv'l, Ky)	5.5 SSE; RR W	550	23 S4	80 oct.
(P) Gill-Dove (Martin, Tenn)	3.5 S; hwy E	416	35 S6	80 oct.
★ Graham Int, 59, DL-LV	1.5 NW; hwy E	536	27 L3	(Tenn)
Graves Co. (Mayfield, Ky)	3.6 ENE; hwy S	543	26 S1	80 oct.
Guntersville Dam (Ala)	9.1 NW; hwy E	600	30	Reservoir S. P-line SE.
Hartselle (Ala)	1 WSW; hwy N	588	18 S4	80 oct. Ctn.
Humboldt (Tenn)	4.6 ESE; hwy W			ABANDONED.
[Huntsville] (Ala)	3.1 S; RR E	610	38h S6	80-91 oct. Hills NE, E, S.
(A) Huntsville Arsenal (A)	7 SW; RR NW	677	50h L5	(Ala)
JACKS CREEK Range (Int.) (Tenn)	332(JK)(116.1)	186°, 2.6	BMRLZ-DTV	(4); 116.1
★ Jacks Creek Int.	2 N; hwy E	550	43 L3	53, DL-LV (Tenn)
NEW FACILITIES				
Flint Creek (Decatur, Ala)	5.5 SSE; hwy N	575	20	P-line NE.
Jackson (Tenn)	2.5 ENE	450	28 S6	80 oct. Hwy NW.
La Fayette-Trion (Trion)	3 NNE; RR W	722	21 S1	80, 91 oct. SW blkd. (Ga)
Lebanon (Tenn)	1.8 SW; hwy E	522	28 S6	73 oct. No sto.
→ Lexington (Tenn)	0.5 E; RR W	520	18 S1	80 oct.
Lewisburg (Tenn)	0.5 S; RR E	720	18 S2	80 oct. P-line N.
(P) McKellar (Jackson, Tenn)	5.8 W; RR S	410	36h S6	80 oct.
Madison Air Strip (Tenn)	2.3 ESE	560	19 S6	80 oct. No sto.
* Manchester Int, 16A, AG-NA (tenn)	4.5 ESE; hwy SW	1090	29 L3	53' trees W, N.
Maury Co. (Mt. Pleasant)	2.5 ENE; RR SW	672	31 S2	80 oct. P-line NW. (Tenn)
Milan (Tenn)	2.8 NNE	421	25 S5	80, 91 oct. RR SE.
MUSCLE SHOALS Range	251(ED)(116.1)	282°, 4.6	SBRAZ-DTV	(4); 116.1 (Ala)
Muscle Shoals (Ala)	1.5 E; rd N	545	40h L5 S1	80, 91 oct. No fuel for mil acft.
NASHVILLE Range (Berry)	304(NA)(116.1)	246°, 2.6	SBRAZ-DTV	(3); 116.1, 122.1
North Sauty Base (Scottsboro, Ala)	3.2 SSW; Lake S	610	20 S1	80 oct.
Outlaw (Clarksville, Tenn)	7.4 NNW	550	37 S5	80 oct. RR W
Paducah-McCracken Co (Paducah, Ky)	8.8 W; RR N	405	40h L5 S6	80, 91 oct. No sto. lgts. Hor req.
Paris (Tenn)	4.3 NW; hwy N	500	28 S6	80 oct. No sto. P-line N.
Pryor (Decatur, Ala)	4 NNE; hwy W	588	44 S6	80, 91 oct. NW.
Rossville (Ga)	2.1 SSW	760	21 S1	80 oct. S blkd. Hwy E.
Sky Harbor (Murfreesboro, Tenn)	7.3 NW; hwy SW	560	39 S6	73 oct. No sto. Poles NE.
SMITHVILLE Range (Int.)	347(XM)(116.1)	177°, 1.4	SBMRAZ-DTV	(4); 116.1 (Tenn)
★ Smithville Int, 5, NA-WA	1 E; rd S	1073	34 L3 S1	80 oct. (Tenn)
SMYRNA AAF Tower (Tenn)	219 (126.18)+		CA (ILS)	(3); 126.18
(A) Smyrna AAF (Nashville, Tenn)(A)	17 SE; RR SW	512	55h	TMP INACT-NO FACS.
S.T.College (Murfreesb'o)	2 E; hwy N	600	34 S4	80 oct. Poles N. (Tenn)
Thomas (Chattanooga)	3 N; RR E	640	38	(Tenn)
University of South	1.8 WNW; RR NE	870	23 S2	80 oct. (Cowan, Tenn)
Wilks (Fayetteville, Tenn)	2.5 NNW; hwy E	650	20 S2	80 oct.
(A) William Northern (A)	2 WNW; rd S	1081	50h	CLOSED. (Tullahoma, Tenn)
Wood-Dearing (Russellv'l, Tenn)	4 E	780	20 S4	Fuel from town

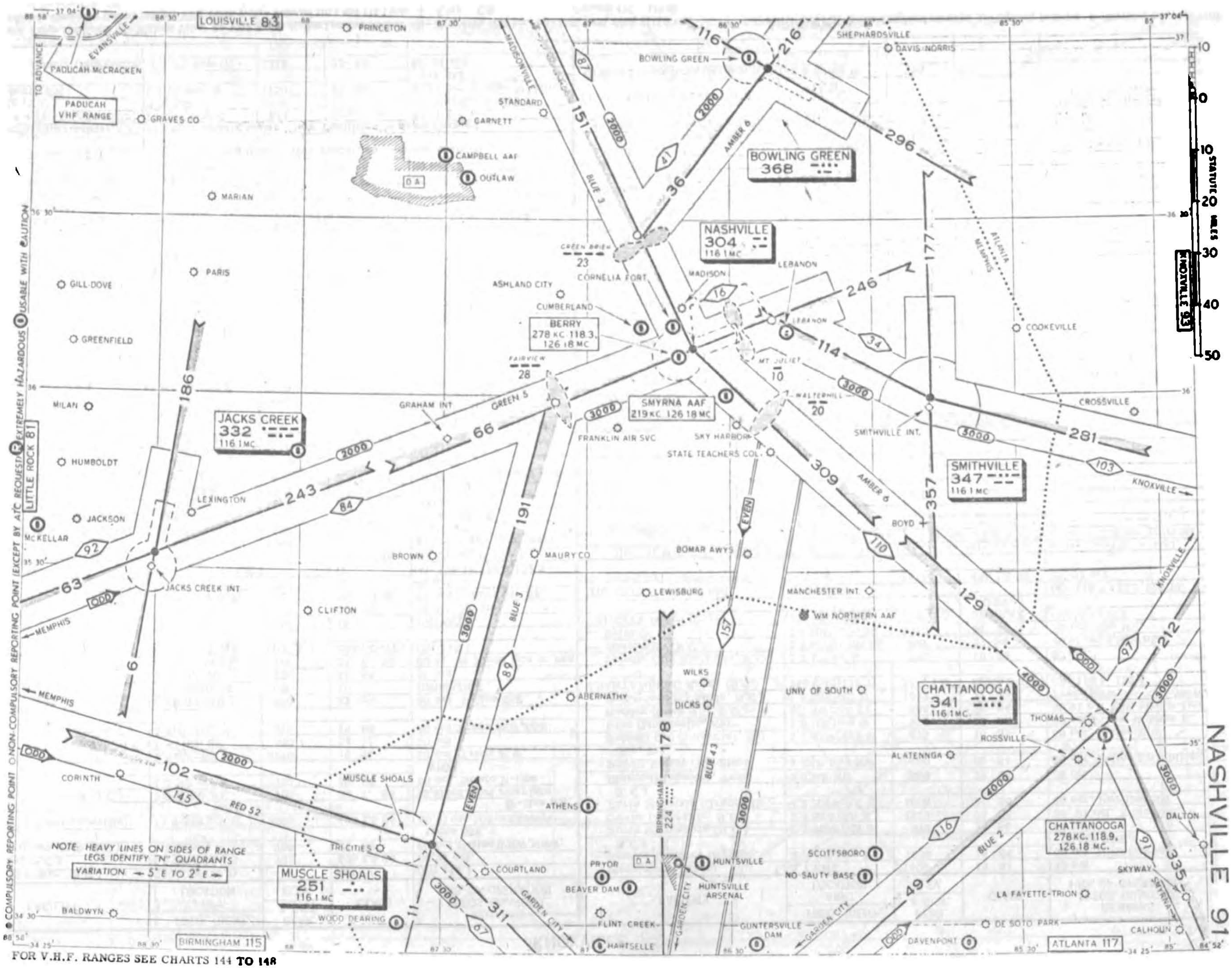
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BERRY	109.9		14°	IM-	MM- •—•— (0.81)	OM- —— (5.7)
					MMK- 356 •—•••	OMK- 375 ••—
SMYRNA AAF (A)	109.5	332.6	230°	IM- (0.04)	MM- ••••• (0.81)	OM- —— (4.31)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES				
Greenfield (Tenn)	2 SSW; riv S	410	35 S1	80 oct. P-line N NW-
Moody (Oneonta, Ala)	1.5 NE; hwy 0.5 NW	790	18 S4	80 oct. Soft when wet blkd.
Abington (Beebe, Ark)	1.5 WSW; RR S	300	24 S1	80 oct. P-line SE, N, NE.
Princeton (Cedar Bluff)	4 SSW; hwy S	400	25 S1	80 oct. Trees SW. (Ky)
Standard (Elkton, Ky)	0.5 SW; hwy N	540	22 S1	80 oct. Water tank E of N
Marian (Hazel, Ky)	3.2 N; hwy E	532	21 S1	80 oct. Poles E, NE. end
Davis-Norris (Glasgow)	1.4 WSW; hwy SE	760	20 S1	91, 80 oct. Muddy. strip
Skyway (Calhoun, Ga)	4.5 N; RR E	730	15 S1	80 oct.
Tri-Cities (Tuscumbia, Ala)	1.2 SW; hwy .5 ENE	500	26 S4	80 oct.
Alatennga (Bridgeport, Ala)	3 NNW; hwy SE	650	20 S4	80 oct. P-line NE.
Humboldt (Tenn.)	2.8 ESE; hwy SW	380	18 S1	80 oct. SW blkd.
Scottsboro (Ala)	2 NNE; RR SE	666	19 S1	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ⊕ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 148

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ANDERSON H Fac. (S.C.)	236(AS)(116.1)		MHTV	(4); 116.1
Anderson (S.C.)	4.5 WSW;hwy S	783	50h L5 S6	80,91 oct.
Ashley (Honea Path, S.C.)	1.5 E;hwy N	780	21 S2	80 oct. P-line WNW,NNW; trees SSE.
(P) [Asheville-Hendersonville] (Asheville, N.C.)	11.5 SSE;RR 1 WNW	2090	40h L5 S4	80,91 oct. 100 oct Army. P-line NE.
(P) Barksdale (Laurens, S.C.)	2.8 E;RR NE	700	30 L S6	73,91 oct. Port rnwy lgts.
Belmont (N.C.)	1.3 NE;riv E	740	20 S6	80 oct. No sto. P-line WNW.
Black Mountain (N.C.)	1.8 SW; RR N	2270	18 S6	80 oct. Trees E,W.
Bridges (Kings Mountain,N.C.)	1 SW;RR SE	930	24 S2	80 oct.
Bridges Arpk (Shelby, N.C.)	3.3 NE;lake W	975	18 S6	80 oct. Trees SSW,ESE.
Brockenbrough (Derita,N.C.)	3.8 WNW;RR E	800	22 S6	80 oct. P-line SSE.
Burris (Lincolnton, N.C.)	2.2 SW;RR SE	960	10	UNUSABLE.
Byers (Shelby, N.C.)	3 SE;RR SW	875	16 S4	80 oct.
Cannon (Charlotte, N.C.)	3 WNW; hwy S	788	24 L S6	80,91 oct. Flood lgts on req
CHARLOTTE Range (Douglas) (N.C.)	212 (CF)(116.1)	359°,1.7	BMLZ-DTV	(3); 116.1
Chesnee (S.C.)	2 S; RR W	910	18	PRIVATE.
(P) Chester (S.C.)	5 NNE; RR W	709	50h S4	80 oct. No sto.
Chilhowie,29B,NA-WA (Va)	3.9 SE;riv N,SW	2100	34 L3 S4	80 oct. P-lines SW,NE.
Coulbourn (Lancaster, S.C.)	1 SSW;hwy SW	560	32 S4	80 oct.
DOUGLAS Tower (N.C.)	396 (126.18,118.9)		C	(4); 126.18,118.9,122.5
(P) [Douglas] (Charlotte, N.C.)	5.5 W;hwy .5 N	745	52h L5 S6	80, 91 oct. P-line N.
Elkin (N.C.)	2.8 SW;RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Fairforest (Spartanburg,S.C.)	5.8 WNW;rd W	830	23 S6	80,91 oct.
Francis Marion-(Marion,N.C.)	2.5 NE;RR N	1450	19 S6	80 oct. Hill E
Franklin (N.C.)	1.2 ESE;riv W	1996	28 S2	80 oct.
Galax (Va)	6.5 S;hwy E	2575	19 S6	80 oct. Hill SSE.
Gastonia, mun. (N.C.)	4.5 SSE;hwy SW	800	30h L S1	80,91 oct. Port rnwy lgts. on req.
GREENVILLE Range (S.C.)	281(GC)(116.1)	2° ,1.9	BMLZ-DTV	(4);116.1,122.1
[Greenville] (S.C.)	3.2 E;RR SE	1015	42h L5 S6	80,91 oct. 100 oct. in emerg. No bndry lgts.
GREENVILLE AAB Tower (S.C.)	272 (126.18)+		CA	(3); 126.18
(A) Greenville AAB (S.C.) (A)	7.5 SSE;hwy W	959	55h L5 S6	73,100 oct. JP-1. No sto.
H & H Flying Service (Brevard, N.C.)	1.5 ENE;riv S RR N	2140	20 S1	80 oct. P-line WNW.
Hendersonville (N.C.)	1.5 ESE;hwy SW	2200	30 S6	80, 91 oct.
Hickory (N.C.)	2.2 W;RR S	1180	40h S6	80, 91 oct.
Island (Knoxville, Tenn)	2.5 E	831	43 S6	80,91 oct.
Jasper (Ga)	1.2 NNW;RR SW	1935	16 S2	80 oct.
Johnson City (Tenn)	3.8 NE	1650	21 S6	81 oct. No sto.
Josephson (Asheville, N.C.)	3 W;riv E	2200	20 S1	80, 91 oct.
King Field (Clemson, S.C.)	2.4 ENE;RR NW	900	20 S4	80 oct. Trees N.
Kings Mountain (N.C.)	3.5 SW;RR SE	980	23 S2	80, 91 oct.
KNOXVILLE Range (McGhee Tyson)Tenn.	257 (KX)(116.1)	192°,2.8	SBRAZ-DTV	(3); 116.1, 122.1
KNOXVILLE Tower (Tenn)	See Mc-Ghee Tyson under "New Facilities" - name changed			
(P) [Knoxville-McGhee-Tyson] (Knoxville, Tenn)	See McGhee-Tyson Arpt listed in alphabetical order-name changed			
Lakeside (Dandridge, Tenn)	6.5 E;hwy S	1000	23	
← Le Tourneau (Toccoa, Ga)	2.5 NE;RR S	950	31 L2 S6	80, 91 oct. Poles SSW.
Lincolnton (N.C.)	3.2 ENE;hwy S	960	30 S6	80 oct. P-line SSW
MEMORIAL Tower (S.C.)	See Spartanburg under "New Facilities" - name changed			
(N,P) [Memorial] (Spartanburg,S.C)	See Spartanburg under "New Facilities" - name changed.			
(P) [McGhee-Tyson] (Knoxville)	12 SSW;hwy E	988	50h L6 S	80,91,100 oct.
Micaville (N.C.)	1 S; RR W	2500	21	N,S blocked. Creek E.
Middlesboro (Ky)	1.2 W; hwy S	1150	23 S6	80,91 oct. P-line W. Mtns sur. fld.
Morganton-Lenoir (Morganton, N.C.)	7.5 NE;hwy W	1253	33 S2	80, 91 oct.
Morristown (Tenn)	5.7 ENE	1400	19 S1	73 oct.
Newton-Conover (Newton, N.C.)	2 N;RR,hwy E	1030	15 S6	80 oct. NNE blocked. Trees ENE.
North Wilkesboro (N.C.)	1.3 WSW;riv S	970	15 S6	80 oct.
Owens (Asheville, N.C.)	2.3 SSW;RR E	1988	25 S6	80, 91 oct. E blocked.
Paris Mountain (Greenville, S. C.)	4.2 NNW;RR E	1006	21 S6	80 oct. Pwr line NW.
Pierce (Kingsport, Tenn)	3 S;RR NW	1210	22 S6	80 oct.
Powell Valley (Big Stone Gap, Va)	4 ESE;hwy NW	1700	25 S4	80 oct. P-line ENE;hills W.
Pulaski Co. (Sumerset, Ky)	3.5 SSW;hwy E	675	16 S1	80 oct. P-line E,W.
Rice (Monticello, Ky)	1.8 NE;hwy W	920	18 S2	80 oct. P-line W. Mtns E.
Roddey (Rock Hill, S.C.)	2.7 SW;lk 0.5 S	664	28 S4	80,91 oct. ESE blkd. P-line
Rutherford (Spindale, N.C.)	1.5 SSE;RR N	1012	17 S4	Trees NNW. WSW.
SPARTANBURG Range (S.C.)	248 (SU)(116.1)	58°, 1.6	SBRAZ-DTV	(3); 116.1, 122.1
Spindle City (Gastonia, N.C.)	3.2 E;hwy N	795	19 S2	80 oct.
← Statesville (N.C.)	3.6 WSW; RR SE	990	27 S6	80,91 oct. S,SSW blkd.
← Sylva (N.C.)	2.4 NE;hwys SE	2039	25 S2	80 oct. Mtn NE.
TRI-CITY Range (Tenn)	221 (TI)(116.1)	252°,3.3	SBMRAZ-DTV	(3);116.1,122.1
TRI-CITY Tower (Tenn)	278(118.7)		C	(4); 118.7,122.5,126.18
(P) [Tri-City] (Bristol,Tenn)	14.5 SW	1518	45h L5 S6	80, 91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

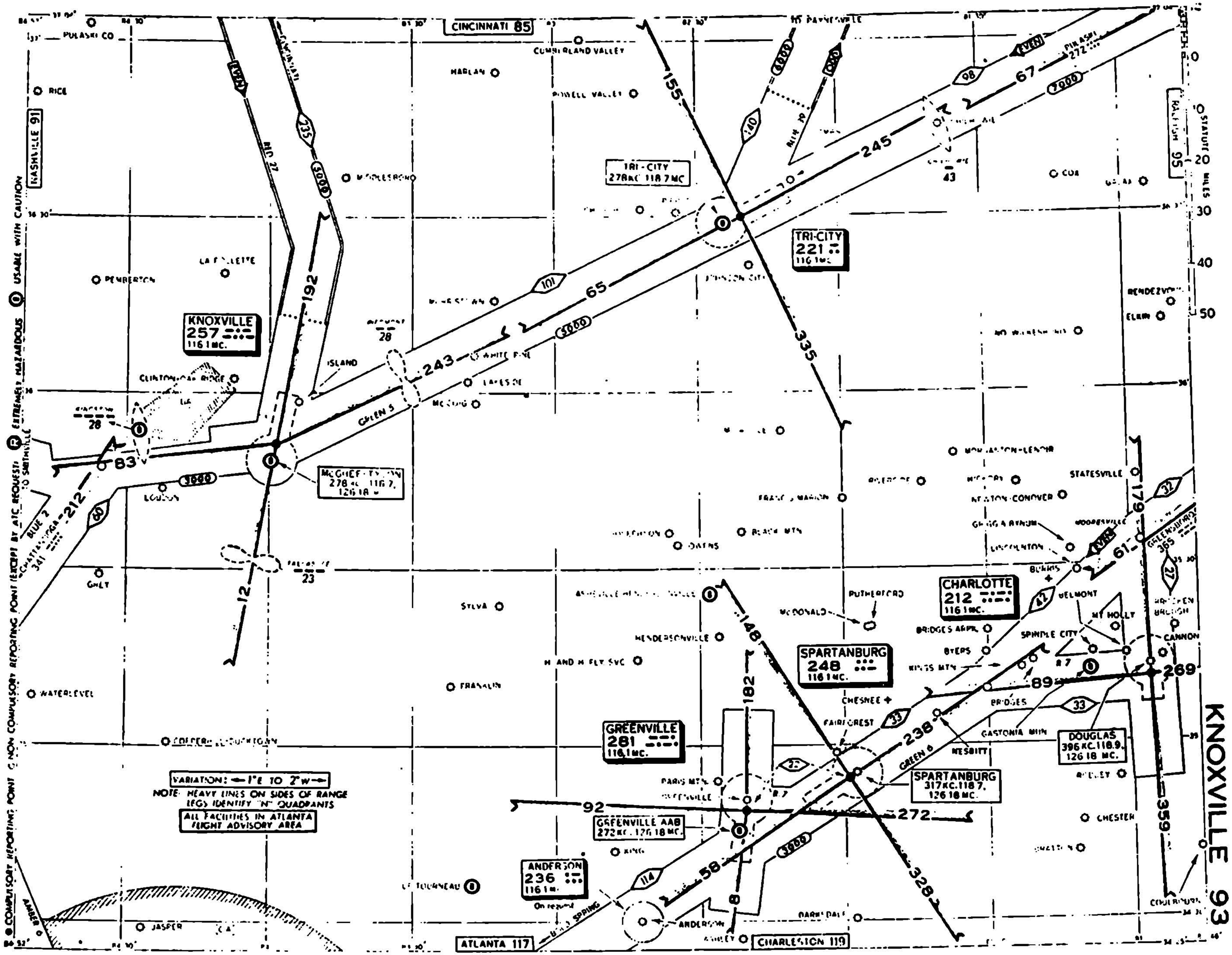
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
Mc-GHEE TYSON	110.3	335	44°	MM- ·—·— (0.61)	OM- ——(4.34)
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-
				MM-	OM-
				MMK-	OMK-

NEW FACILITIES

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Combs (Bristol,Va)	3 NE	1865	20 S6	80 oct. P-line N.
McDonald (Spindle,N.C.)	1.2 SSE;hwy W	1000	20	Trees S.
Mc-GHEE TYSON Tower (Tenn)	278 (126.18, 118.7)		C (ILS)	(4);118.7,126.18,122.5
Harlan (Dillon,Ky)	0.5 E;RR N	1150	21 S1	80 oct. Pole E. Ctn. Mtns
Riverside Arpk (Morganton,N.C.)	2 W;riv NE	1020	22 S2	80 oct. Mtn E.
Rendezvous (Jonesville,N.C.)	1 E;riv N	1000	22 S1	80 oct. NW blkd.
Bratton (Chester,S.C.)	1.4 SE;RR SW	550	17 S2	80 oct, Emerg. only.
Copperhill-Ducktown	2.5 NE	1700	15	(Copperhill, Tenn)
Waterlevel (Cleveland,Tenn)	3 SSE;hwy N	800	20 S1	80 oct. N,S blkd.
Grey (Athens, Tenn)	2.2 N;RR E	691	23 S4	80 oct.
Pemberton(Glenmary,Tenn)	0.8 NNE;RR W	1370	18	E,W blkd.
White Pine (Tenn)	0.5 S;hwy E	1160	18 S1	80 oct.
Mc Coig(Newport, Tenn)	5 W;hwy N	1330	16	P-line E.
London (Tenn)	1.8 WSW;riv 1 N	800	14 S1	80 oct
La Follette(Jacksboro,Tenn)	1.5 NE;RR NW	1129	18 S1	80 oct
Clinton-Oak Ridge(Clinton)	4.6 S;rd S	860	20 S4	80 oct. P-line WSW;ENE blkd.
Churchill (Tenn)	1 SE;riv 1 S	1240	22 S1	80 oct. (Tenn)
← Mt. Holly (N.C.)	2.8 NW;hwy,RR E	850	20	
Nesbitt (Gaffney,S.C.)	2.1 WNW;hwy SE	800	15 S1	80 oct, E, erg only. NNE blkd.
Cox Fld (Independence,Va.)	4.5 WSW;riv S	2459	16 S2	80 oct. Hill E,W.
Cumberland Valley(Lynch,Ky.)	2.8 NNE;hwy N,W	1530	18 S2	80 oct. Mtns ENE,WSW.
(N,P) [Spartanburg] (S.C.)	2.5 SW;hwy SE	804	44h L5 S6	80,91 oct. 100 mil. NATS.
SPARTANBURG Tower (S.C.)	317(126.18, 118.7)		C	(4);116.7,126.18,122.5
← Grigg & Bynum Arpk (Maiden,N.C.)	2.5 S;hwy W	795	18	

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time) a - Guarded only when associated tower inoperative.

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


CINCINNATI 85
NASHVILLE 91
KNOXVILLE 257 116.1MC.
TRI-CITY 278RC 118.7MC
TRI-CITY 221 116.1MC.
RALEIGH 95
CHARLOTTE 212 116.1MC.
SPARTANBURG 248 116.1MC.
GREENVILLE 281 116.1MC.
SPARTANBURG 317RC.118.7, 126.18 MC.
DOUGLAS 396RC.118.9, 126.18 MC.
GREENVILLE AAB 272RC. 126.18 MC.
ANDERSON 236 116.1MC. On request
ATLANTA 117
CHARLESTON 119
KNOXVILLE 93
VARIATION: 1°E TO 2°W
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN ATLANTA FREIGHT ADVISORY AREA
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
STATUTE MILES

RALEIGH

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED HRS OF OPERATION
Aberdeen (N.C.)	1.2 W;RR N	450	2552	80 oct.E,SE,W,NW blkd
← Albemarle (N.C.)	1.5 ESE;RR SW	565	37 S6	80 oct.P-line NE.
Alberta (Va)	1.5 E;RR SW	380	17 S2	80 oct.Trees WSW
Asheboro (N.C.)	1.8 SW;hwy NW	864	18 S6	80 oct.
Avalon (Rocky Mount,N.C.)	3.8 NE;RR W	120	28 S2	80 oct.
Ayden (N.C.)	0.7 SSW;RR E	25	20 S1	80 oct. ESE blkd.
(A) Balloon No. 1 (Ft.Bragg, N.C.) (A)	1 NNW;RR E	225	22	
Bladenboro (N.C.)	0.7 NE;RR W	110	24 S2	80 oct.
(N) Bogue MCAAF (N.C.)(N)	5.6 E of Swansboro	22	40h	INACTIVE
Brooks (Red Springs, N.C.)	1.2 N;RR SE	208	26	
Burgaw (N.C.)	1.2 W;hwy N,S	30	22 S1	80 oct P-line SSE
(P) Burlington (N.C.)	4 SW;hwy W	638	37h L5 S6	80 oct. P-line S.
CAMP LE JEUNE OLF Tower (New River, N.C.)	3295 (142.74)		CN	3105,4495;142.74 (8-1630)
(N) Camp LeJeune OLF (New River, N.C.) (N)	2.5 S of Jacksonville	24	50h	
(A) Camp MacKall AAF (Hoffman, N.C.) (A)	3.5 E	350	50h	TEMP INACT.NO FACS.
Candor (N.C.)	4.1 E;RR N	710	19	NE,SW,WNW blkd
CAP(Raleigh, N.C.)	3.5 NNE;RR E	460	35 S6	80,91 oct High trees S,SW Appchs N,NE blkd
Carolina Arpk (Kannapolis, N.C.)	3.1 ESE;RR W	730	19 S3	80 oct
Caswell (Yanceyville, N.C.)	3.2 W;hwy E	640	20 S2	80 oct
Chatham-Gretna (Chatham, Va)	6 SE;ditch E	550	24 S2	80 oct. Trees ENE,WSW, W.
CHERRY POINT MCAS Navy Range (N.C.)	224 (NKT)	141°,4.0	BMRLZ	(3); 140.58, 142.74
CHERRY POINT MCAS Tower (N.C.)	3295(142.74)		CN (GCA)	(3); 142.74, 126.18
(N) Cherry Point MCAS (N.C.) (N)	2.5 SW;riv N	29	76h (L6) S6	100 oct
Clarksville-Finchley (Clarksville, Va)	5 ENE;RR S	450	13	House, trees NW
Clinton (N.C.)	2 N;hwy W	160	24 S6	80 oct. P-line W.
Clover (Va)	3.5 SSW;riv E	350	20	Trees E,W,SE,NW
Coley (Concord, N.C.)	2 SW	790	12 S2	80 oct Trees ESE Pwr-line W,S
Colonial (Mt Airy, N.C.)	1.4 NNE;quarry SE	950	20 S2	80 oct P-line,trees NNW
Concord (N.C.)	4.5 ESE;rd E,S	700	19 S6	80 oct. P-line NE
DANVILLE H Fac.(Va)	344(VE)(116.1)		MHTV	(4); 116.1 (manned 8-24)
(P) Danville (Va)	3.4 ESE	580	50h L5 S6	80, 91 oct
Delta (Charlotte, N.C.)	6.7 E;hwy S	750	31 S6	80,91 oct P-line NW
Dowless (Abbotsburg,N.C.)	0.2 N;RR S	99	24 S1	80 oct SE,WSW blkd
Durham (N.C.)	7.8 N;RR 2 E	480	15 S6	80 oct Trees N,S
Emporia (Va)	3 E;hwy S	127	50h L5 S4	80, 91 oct
Enfield (N.C.)	1.8 E	113	15 S2	80 oct.P-line SSW;trees NNE, SSW.
Erwin (N.C.)	1 SW;riv SW	195	30 S4	80, 91 oct
Fairchild (Burlington,N.C.)	1.5 E;RR S	640	05h S4	80 oct Trees N
Fayetteville (N.C.)	5 N;hwy E	238	36 L1 S6	80 oct. Pwrline E
Fraley (High Pt.,N.C.)	2.5 SSE;RR W	1000	17 S6	80 oct.Strips rough Trees SE.
Franklin (Louisburg,N.C.)	2 WSW;RR S	290	17 S2	80 oct.P-line SSE,Hill NNW
(P) Franklin (Va)	3 NE;RR S	38	41h L5 S6	80,91 oct Trees sur fld
Garner (Windsor, Va)	4.8 NNE;hwy W	80	25 S2	80 oct
Gilmore #1 (Julian, N.C.)	0.6 SE;RR N	760	10 S1	80 oct.
Gilmore #2 (Silver City, N.C.)	4.1 SE;RR W	550	22	Trees N; S blkd
Goldsboro (N.C.)	1.3 E;hwy S	110	25 S1	80 oct. P-line NNE
GREENSBORO Range(N.C.)	365 (GW)(116.1)	241°,1.5	SBRAZ-DTV C	(3); 116.1, 122.1 (4); 118.7,126.18,122.5
GREENSBORO-HIGH PT. Tower (N.C.)	219 (126.18, 118.7)			
(P) [Greensboro-High Pt.] ← (N.C.)	8 WNW;RR SW	905	40h L5 S6	80,91,100 oct P-line SW
Halifax Co. (Roanoke Rapids, N.C.)	3 SW	147	18 S2	80 oct. Trees ENE,NNW
Harris (Mooresville,N.C.)	2.5 ESE;RR NW	900	14 S2	80 oct
(P) Hartsville (Darlington)	10 N;hwy E	190	50h	(S.C.)
Henderson (N.C.)	3 S;RR W	490	21 L S6	80,91 oct.Port lgts prior req. Trees ESE,WNW
Hogan (Chapel Hill,N.C.)	3.8 NW;hwy E	530	20 S2	80 oct. Trees SSE
Horace Williams (Chapel Hill, N.C.)	1.3 NNW;RR W	502	49 S4	80 oct
Jacksonville (N.C.)	3.7 NE;RR SE	51	14	
Kannapolis (N.C.)	2.8 N;RR E	750	23 S6	80,91 oct. Trees WNW
Kershaw (S.C.)	4 S;RR W	475	21	
(P) Kinston (N.C.)	4.2 NNW	93	50h	CLOSED.
Knollwood (Pinehurst, N.C.)	5 NE;hwy W	455	53 L5 S4	80, 91 oct.
Laurinburg-Maxton (Maxton, N.C.)	3.5 N;RR E	220	65h L5 S6	80,91 oct No flood lgts. Lgts prior req.
Lawrenceville,49B,JX-RW (Va)	3.8 ENE;RR N	317	28 L3 S6	80, 91 oct
Lee County (Sanford,N.C.)	1.5 SE;RR W,S	400	19 S4	80 oct. Pwrlines sur fld.
Lester (Martinsville,Va)	0.6 NNW;RR N	1000	24 S6	80,91 oct bldgs SE
Lexington (N.C.)	2.3 SW;RR E	755	21 S1	80 oct.P-line SSW.
Lillington (N.C.)	1.1 NNE;RR S	210	15 S2	80 oct. P-line NW.
LUMBERTON H Fac.(N.C.)	278 (FNE)		MH	(3)
(P) Lumberton (N.C.)	3 WSW;hwy NNW	126	50h L2 S6	80,91,100 oct.
Lynch Bellinger (Cheraw, S.C.)	4.2 WNW;RR S	400	22 S4	80 oct. P-lines S,WSW
Mack Lamar (Clio, S.C.)	2.3 NE	172	21 S2	80 oct. E, SE blkd.
McLean Brothers (Clibsonville, N.C.)	0.5 SW;hwy NE	723	18 S6	80 oct
← McLeod (Wingate, N.C.)	1.5 SW;hwy 4 N	565	22 S4	80 oct P-line ENE.
Martinsville (Va)	3.5 SSE;RR NE	800	16 S2	73 oct.
Mayo (Mayodan, N.C.)	0.8 W;riv E	900	24 S2	80 oct.P-line N,S.Trees W
Mocksville (N.C.)	2 W;RR E	800	14 S2	80 oct.
Monroe Com. (N.C.)	2.8 SSE	660	20 S2	80 oct.
Monroe Mun. (N.C.)	2 NNW;hwy S	680	29 S4	80, 91 oct P-lines SE, SSW, WSW.
Morehead City (N.C.)	5 WNW;RR N	15	23 S4	80 oct. All appchs blkd.
Mt. Airy (N.C.)	2.2 SW;RR E	1050	20 S2	80 oct.
Mt. Olive (N.C.)	1.1 NE;RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Polloksville, N.C.)(N)	2.5 NW;riv S	27	40h	INACTIVE
Parkers (Eagle Springs, N.C.)	1.8 NW;RR S	700	40 S1	80,91 oct SW blkd
Pauls (Thomasville, N.C.)	6.5 SSE	775	26 S2	80, 91 oct
Pennington (Brodnox,Va)	1.2 NW;hwy NNE	325	21	NNE blkd
Pharis (Durham,N.C.)	8.1 NE;RR E	310	26 S4	80, 91 oct P-line,trees NE,WNW, SW.
Pine Acres (Laurinburg, N.C.)	3.1 SW;RR NNE	205	12 S1	80 oct
(P) [Pitt-Greenville] (Greenville, N.C.)	1.8 NNW;RR E	25	50h L5 S1	80,91 oct Lgts prior req.
Plaza (Charlotte, N.C.)	5 NE;RR N	740	20 S6	80 oct. P-line S.
Plymouth (N.C.)	2 W	10	20 S2	80 oct.
POPE Army Range (N.C.)	338(DOP)(116.1)	335°,2.3	SBMRAZ-V CA	(3); 116.1 (3); 126.18
← POPE Tower (Ft Bragg, N.C.)	396 (126.18)+			
(A) Pope (Ft. Bragg, N.C.) (A)	2 NW;riv NW	220	52h L5 S6	73,100 oct
Raleigh (N.C.)	3.3 SSW;RR W	364	28h S6	80,91 oct.
RALEIGH Range (Raleigh-Durham)(N.C.)	350(DU)(116.1)	299°,3.8	SBRAZ-DTV C (ILS)	(3); 116.1, 122.1 (4); 126.18, 122.5,118.3
RALEIGH-DURHAM Twr. (Raleigh, N.C.) [Raleigh-Durham](Raleigh, N.C.)	266 (126.18, 118.3)			
Reidsville (N.C.)	10.5 NW;hwy 1.5 NE	435	45h L6 S6	80,91,100 oct
(P) Rockingham-Hamlet (Rockingham, N.C.)	3.2 SE;riv S	822	25 S6	80 oct.
← [Rocky Mount] (N.C.)	3.5 S;RR E	358	46 S2	80 oct
Routh (Greensboro, N.C.)	2.3 N;RR E	114	40h L5 S6	80,91 oct Use rnwys only. Rnwy lgts on req.
Rowe (Bennettsville,S.C.)	3.3 S;RR E	840	18 S4	80 oct Trees NE E,SW blkd
Roxboro (N.C.)	1.5 NE	190	29 S5	80,91 oct Trees SW
Salisbury (N.C.)	7 NE;RR 2.3 W	600	24 S2	80 oct
Selma (N.C.)	3 SW;RR E	764	25 L2 S6	80,91 oct. Trees ESE
(A) Seymour-Johnson (Goldsboro, N.C.) (A)	0.5 E;RR W,S	150	19 S4	80 oct. P-line E
[Simmons-Knott] (New Bern, N.C.)	3 SSE;riv SW	80	50h	CLOSED
Skyline (Southern Pines, N.C.)	2.5 SSE;hwy 0.5 E	19	40h L4 S1	80,91 oct.Port flood lgts on req.
Smith (Kinston, N.C.)	4.5 NE;RR NW	460	21 S6	80 oct. N,S blkd.
Smith's (Coats, N.C.)	3.7 SW;riv NW	40	26 S4	80 oct. P-line ENE.
SMITH REYNOLDS Tower (Winston-Salem, N.C.)	1 N;RR W	288	13 S1	80 oct. P-line SSE,NNW
(P) [Smith Reynolds] (Winston Salem, N.C.)	278 (126.18, 118.3)		C	(4); 126.18,118.3,122.5
Spivey (Windsor, N.C.)	2.8 NNE;RR W	969	64h L5 S6	80,91 oct
	2.3 S;hwy W	17	17 S2	80 oct WSW blkd.
Stanfield (N.C.)	1.3 N;hwy E	700	18 S2	80 oct.
Tarboro (N.C.)	2 ESE;riv NNW	50	30 S6	80,91 oct.P-line NNE, NE
Thomasville (N.C.)	3.5 ESE;hwy N	860	14 S2	No fuel.
Tri-City (Draper, N.C.)	1.2 W;riv W	580	26 S2	80 oct.
Upchurch (Raeford, N.C.)	0.5 NNE;RR SSW	255	15 S2	80 oct.
← Wadesboro (N.C.)	3.7 NNE,RR W	220	19 S6	80,91 oct.
Wallace (N.C.)	0.8 N;RR SW	50	16 S6	80 oct.
W & L Airways (Wadesboro, N.C.)	3 E; RR N	370	30 S6	80 oct.P-line NNW
Warf (Reidsville, N.C.)	3.8 SW;hwy W	820	23 S2	80 oct.Trees NNW,SSE blkd.
(P) Warren (Washington, N.C.)	1.8 N;hwy W	38	50h	
* Warrenton Int, 46, JX-RW (N.C.)	1.5 NE;RR W	446	28 L3	80,91 oct.S,N blkd.
Waverly (Va)	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush sur fld
White Lake Beach (White Lake, N.C.)	0.2 NW;lk S	75	18 S1	80 oct. E,W blkd
(P) Wilson (N.C.)	4.2 NW;hwy E	161	45h S6	80 oct.
WINSTON-SALEM Range (Smith Reynolds)(N.C.)	379(DWS)	328°,5.1	SMRLWZ	
Winterville (N.C.)	0.5 E;RR W	25	12 S1	80 oct. NW blocked.
Young (Oxford, N.C.)	1.8 SW;RR NW	475	18 S1	Ltd 80 oct
Zebulon (N.C.)	3.5 NW;hwy E	324	16 S1	80 oct.

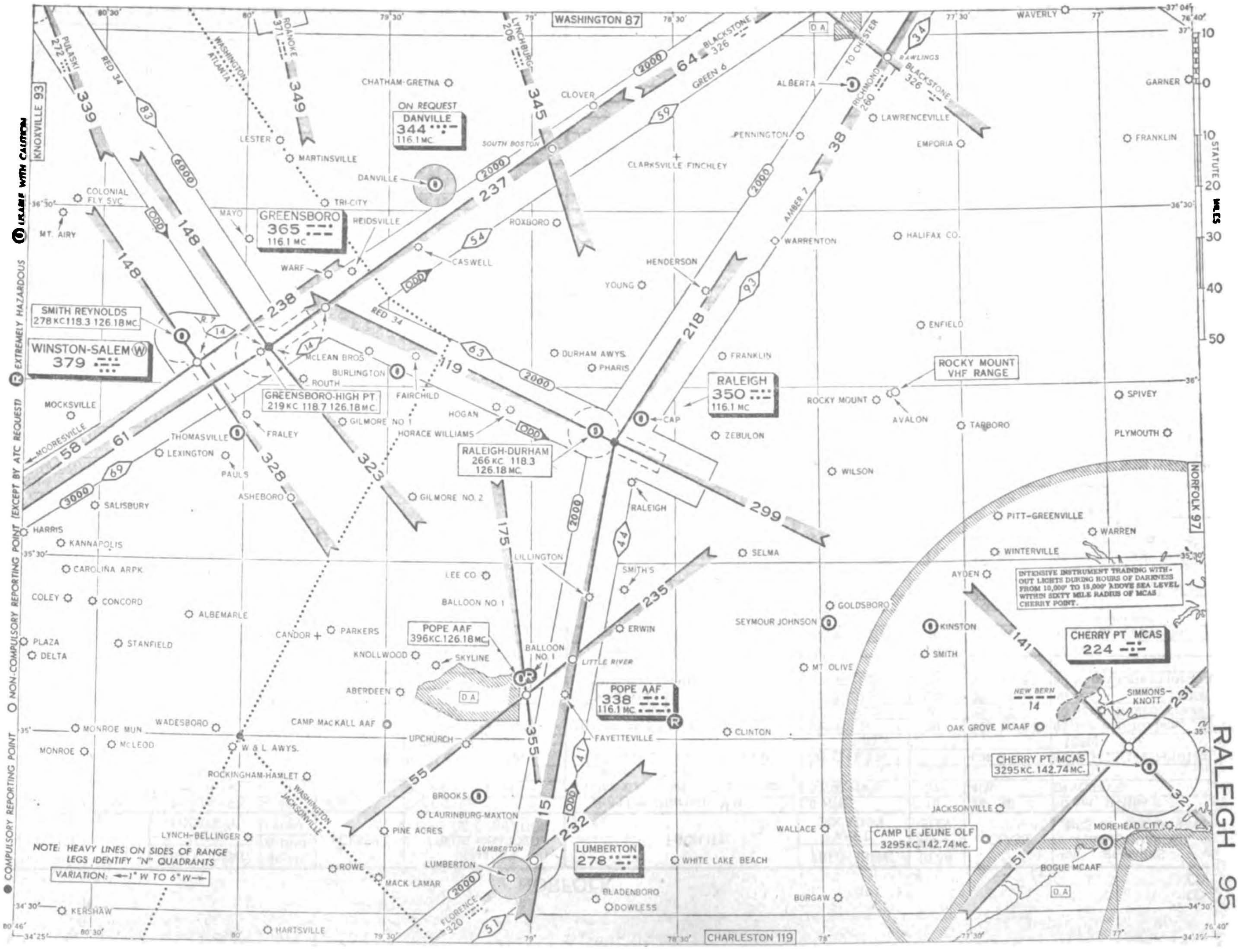
INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs. Compass Locator in kcs)

LOCATION	LOC/LZR	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
RALEIGH	109.9	333.8	48°	MM- ·—·—· (0.62) OM- ——· (4.43)
				MMK- OMK-
				MM- OM-
				MMK- OMK-

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ← New or revised data. [Jones] - Airline Stops. N H. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


WASHINGTON 87
CHARLESTON 119
NORFOLK 97
RALEIGH 95
KNOXVILLE 93
RED 34
WASHINGTON ATLANTA
ROANOKE 371
PULASKI 272
LYNCHBURG 206
BLACKSTONE 326
GREEN 6
AMBER 7
TO CHESTER
RICHMOND 260
RAWLINGS
WAVERLY
CHATHAM-GRETNA
ON REQUEST
DANVILLE 344 116.1 MC
CLOVER
SOUTH BOSTON
ALBERTA
GARNER
LAWRENCEVILLE
PENNINGTON
EMPORIA
FRANKLIN
CLARKSVILLE FINCHLEY
LESTER
MARTINSVILLE
DANVILLE
COLONIAL FLY SVC
MT. AIRY
TRI-CITY
MAYO
GREENSBORO 365 116.1 MC
REIDSVILLE
ROXBORO
WARRENTON
HALIFAX CO.
CASWELL
WARF
HENDERSON
YOUNG
SMITH REYNOLDS 278 KC 118.3 126.18 MC
WINSTON-SALEM (W) 379
MCLEAN BROS
BURLINGTON
ROUTH
FAIRCHILD
GREENSBORO-HIGH PT 219 KC 118.7 126.18 MC.
DURHAM AWYS.
PHARIS
FRANKLIN
ENFIELD
ROCKY MOUNT VHF RANGE
RALEIGH 350 116.1 MC
ROCKY MOUNT
AVALON
SPIVEY
TARBORO
PLYMOUTH
MOCKSVILLE
THOMASVILLE
LEXINGTON
PAULS
FRALEY
GILMORE NO. 1
HOGAN
HORACE WILLIAMS
RALEIGH-DURHAM 266 KC 118.3 126.18 MC.
CAP
ZEBULON
WILSON
ASHEBORO
GILMORE NO. 2
RALEIGH
PITT-GREENVILLE
WARREN
WINTERVILLE
SALISBURY
HARRIS
KANNAPOLIS
LILLINGTON
SELMA
AYDEN
INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 10,000' TO 19,000' ABOVE SEA LEVEL WITHIN SIXTY MILE RADIUS OF MCAS CHERRY POINT.
CAROLINA ARPK
LEE CO.
SMITH'S
GOLDSBORO
COLEY
CONCORD
ALBEMARLE
BALLOON NO. 1
POPE AAF 396 KC 126.18 MC
ERWIN
SEYMOUR JOHNSON
KINSTON
CHERRY PT MCAS 224
PLAZA
DELTA
STANFIELD
CANDOR
PARKERS
KNOLLWOOD
SKYLINE
BALLOON NO. 1
LITTLE RIVER
MT. OLIVE
SMITH
ABERDEEN
POPE AAF 338 116.1 MC
NEW BERN 14
SIMMONS-KNOTT
WADESBORO
CAMP MACKALL AAF
MONROE MUN
UPCHURCH
FAYETTEVILLE
CLINTON
OAK GROVE MCAAF
MONROE
MCLEOD
W & L AWYS.
CHERRY PT. MCAS 3295 KC. 142.74 MC.
ROCKINGHAM-HAMLET
BROOKS
LAURINBURG-MAXTON
JACKSONVILLE
PINE ACRES
WALLACE
CAMP LE JEUNE OLF 3295 KC. 142.74 MC.
MOREHEAD CITY
LYNCH-BELLINGER
LUMBERTON
LUMBERTON 278
WHITE LAKE BEACH
BOGUE MCAAF
ROWE
MACK LAMAR
BLADENBORO
DOWLESS
BURGAW
KERSHAW
HARTSVILLE
FLORENCE 320
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 1° W TO 6° W
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
339
148
238
119
328
323
345
237
64
38
218
299
175
355
15
232
235
141
231
321
55
61
58
69
83
59
54
63
93
41
44
51
2000
3000
ODD
D A
R

FACILITY	FREQ., IDENT. / ARPT LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(N)Atlantic MCAAF (N.C.)(N)	0.8 NW;hwy SE	24	35h	INACTIVE.
Ayden (N.C.)	0.7 SSW;RR E	25	20 S1	80 oct ESE blkd.
Barco (N.C.)	2.4 W;hwy S	19	40h	
(P) Beaufort-Morehead City (Beaufort, N.C.)	1 N;riv W	13	43h L S6	80,91 oct Floodlgts. Trees SE.
CAMP LE JEUNE OLF Tower (N.C.)	3295 (142.74)		CN	3105,4495;142.74 (8-1630)
(N)Camp Le Jeune OLF (New River, N.C.) (N)	2.5 S of Jacksonville	24	50h	
CHERRY POINT Navy Range	224 (NKT)	141°,4.0	BMRLZ	(3); 140.58,142.74 (N.C.
CHERRY POINT MCAS Tower (N.C.)	3295(142.74)		CN(GCA)	(3); 142.74,126.18
(N)Cherry Point MCAS (N.C.)	2.5 SW;riv N	29	76h (L6) S6	100 oct. (N)
Colonial Heights (Petersburg, Va)	2 NNE;RR W	60	25 S1	80 oct.
Cape Charles (Va)	1.8 E;RR S	15	22 S2	80 oct.NW blkd.Bldg SSE
(N) Creeds NAAS (Va) (N)	1.5 E;bay E	10	25h	INACTIVE.
Creswell (N.C.)	0.5 N;RR S	15	19 S2	80 oct. S,SE blkd.
Cumberland (Portsmouth,Va)	8 S	15	28 S4	80 oct.
(N) Edenton NAS (N.C.) (N)	3.5 SE	19	72h	INACTIVE.
ELIZABETH CITY CGAS Tower (N.C.)	278(142.74)		CN	(3); 142.74 (7-19)
(CG) Elizabeth City CGAS (N.C.)	3.5 SE;riv NE	10	72h L6 S4	100 oct (CG)
Emporia (Va)	3 E;hwy S	127	50h L5 S4	80,91 oct.
(N) Fentress NAAS (Va) (N)	2.5 ESE;hwy N	16	25h	CLOSED.
(P) Franklin (Va)	3 NE;RR S	38	41h L5 S6	80,91 oct.Trees sur fld.
Garner (Windsor, Va)	4.8 NNE;hwy W	80	25 S2	80 oct.
Glen Rock (Norfolk,Va)	4.5 E;hwy W	18	24 S6	80,91 oct.Trees SW.
Hopewell (Va)	3.3 E;riv N	20	24 S6	91 oct.
Jacksonville (N.C.)	3.7 NE;RR SE	51	14	
LANGLEY Army Range (Va)	221(DLY)	102°,3.8	SBMRAPZ-DT	(3)
LANGLEY Tower (Va)	278 (126.18)+		CA(GCA)	(4); 126.18
(A) Langley Field (Va) (A)	3 N of Hampton	10	70h L5 S6	73,91,100 oct. JP-1.
(N) Monogram NAAS (Drivers, Va.) (N)	2.8 W;riv W	21	45	CLOSED.
Morehead City (N.C.)	5 WNW;RR N	15	23 S4	80 oct.All appchs blkd
NORFOLK Range (Va)	239(NW)(116.1)	44°,3.3	SBMRLZ-DTV	(3); 116.1
NORFOLK Tower (Va)	269 (126.18, 118.3)		AC	(4); 122.5,126.18,118.3
[Norfolk] (Va)	5 ENE;RR SE	22	50h L5 S4	80,91 oct.
NORFOLK NAS (East Field) Navy Range (Va)	356 (NGU)	276°,2.9	BMRLZ	
NORFOLK NAS (East Field) Tower (Va)	323 (142.74)		CN(GCA)	(3); 142.74
(N) Norfolk NAS (East)(Va)(N)	6 N;RR SW	15	43h L5 S6	91,100 oct. NATS.
(N) Norfolk NAS (Chambers) (Va) (N)	7 N;rd N	13	26h	CLOSED.Use East Fld.
NORFOLK NAS (Seaplane) Tower (Va)	2870		CN	2870 (7-17 & on req)
Norview (Norfolk, Va)	4.5 NNE	16	24 S6	80 oct. P-line S.
(N) Oak Grove MCAAF (Pollocksville, N.C.) (N)	2.5 NW;riv S	27	40h	INACTIVE.
OCEANA NAAS Tower (Va)	3295 (142.74)		CN	3105.1495;142.74 (0745-1830)
(N) Oceana NAAS (Va) (N)	1 SW;RR N	20	60h L5 S4	91,100 oct. No bcn.
Peanut City (Suffolk,Va)	2.8 N;hwy SE	40	25 S2	80 oct.SSW blkd.Trees
Peninsula (Hampton, Va)	2 WSW;RR N	12	26 S4	80 oct. NNE
(P) [Pitt-Greenville] (Greenville N.C.)	1.8 NNW;RR E	25	50h L5 S1	80,91 oct.Lgts prior req
Plymouth (N.C.)	2 W	10	20 S2	80 oct.
Portsmouth (Va)	7.8 WSW;RR S	20	35 S1	80 oct.Trees sur fld. Soft when wet.
(N) Pungo NAAS (Va) (N)	0.8 NE	15	25h	INACTIVE
Roanoke Isl. (Manteo, N.C.)	1.5 NW;rd NE	12	33h L5 S4	80,91 oct.Lgts prior req Data unver.
Roosevelt(Portsmouth, Va)	4.2 W;RR S	15	33 S6	80 oct.Trees SE.P-line NW
[Simmons-Knott] (New Bern N.C.)	2.5 SSE:hwy 0.5 E	19	40h L4 S1	80,91 oct. Port flood lgts on req.
So.Norfolk(Norfolk,Va)	3.7 S;hwy NW	20	25 S2	80 oct.P-line W.
Spivey (Windsor, N.C.)	2.3 S;hwy W	17	17 S2	80 oct. WSW blkd.
(P) Suffolk (Va)	3.8 SSW;RR E	66	50h	
Thalia (Virginia Beach,Va)	8 W;on bay	12	23 S1	80 oct.NE blkd,trees SW
Virginia Beach (Va)	6 W;RR N	15	43 S2	80,91 oct.P-line N.
(P) Warren (Washington, N.C.)	1.8 N;hwy W	38	50h	
Waverly (Va)	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush sur fld.
WEEKSVILLE NAF Navy Range (N.C.)	524 (NFG)	319°,0.5	MRL	(3): 142.74 (V - 7-19)
WEEKSVILLE NAF (LTA) Tower (N.C.)	3295(142.74)		CN	3105;142.74 (8-1630)
(N) Weeksville NAF (LTA)(N.C.)	2.2 NE	7	37h S4	80-100 oct. (N)
William & Mary (Williamsburg, Va)	3 NNW;RR SW	105	29 S4	80.91 oct.Trees NE,SW.
Winterville (N.C.)	0.5 E;RR W	25	12 S1	80 oct. NW blkd.
Woodville (N.C.)	1.5 W;hwy S	15	20 S6	80 oct. S blkd.

NEW FACILITIES

RADIO. S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 149.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indexed and non-capitalized.

WASHINGTON 87

WILMINGTON 89

NORFOLK AREA

HOPEWELL

COLONIAL HGTS.

TO RICHMOND

GREEN 6

RICHMOND 260

WILLIAMSBURG

TO WASHINGTON

LANGLEY AAF 221

WAVERLY

BACONS CASTLE

ECLIPSE 16

GARNER

NORFOLK NAS 356

EMPORIA

FRANKLIN

DEEP CREEK 10

NORFOLK 239 116.1 MC

SOUTH MILLS 18

BARCO

AYDLETTE 14

ELIZABETH CITY CGAS 278 KC. 142.74 MC.

WOODVILLE

WEEKSVILLE NAS 524

ELIZABETH CITY VHF RANGE

EDENTON NAS

WEEKSVILLE NAF 3295 KC. 142.74 MC.

MANTEO 32

SPIVEY

EDENTON 26

CRESWELL

PLYMOUTH

ROANOKE IS

PITT-GREENVILLE

WARREN

WINTERVILLE

AYDEN

INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 10,000' TO 18,000' ABOVE SEA LEVEL WITHIN SIXTY MILE RADIUS OF CHERRY POINT MCAS

NEW BERN 14

OAK GROVE MCAAF

SIMMONS-KNOTT

CHERRY PT. MCAS 224

CHERRY POINT MCAS 3295 KC. 142.74 MC.

CAMP LE JEUNE OLF 3295 KC. 142.74 MC.

JACKSONVILLE

MOREHEAD CITY

BEAUFORT-MOREHEAD CITY

ATLANTIC MCAAF

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

VARIATION: 4°W TO 7°W

INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM SEA LEVEL TO 18,000'.

TO WASHINGTON

LANGLEY AAF 221

LANGLEY AAF 278 KC. 126.18 MC.

CAPE CHARLES

NORFOLK NAS (EAST) 323 KC. 142.74 MC. (SEAPLANE) 2870 KC.

BUCKROE BEACH

PENINSULA

NORFOLK NAS

NORFOLK NAS 356

WHITEHURST

HAMPTON ROADS

NORVIEW

ECLIPSE 16

NORFOLK 269 KC. 118.3, 126.18 MC.

GLENROCK

THALIA

MONOGRAM NAAS

ROOSEVELT

OCEANA NAAS 3295 KC. 142.74 MC.

PORTSMOUTH

VIRGINIA BEACH

PEANUT CITY

SO. NORFOLK

DEEP CREEK 10

NORFOLK 239 116.1 MC.

PUNGO NAAS

SUFFOLK

CUMBERLAND

FENTRESS NAAS

CREEDS NAAS

10 0 STATUTE 10 MILES 20

10 0 10 20 30 40 50 STATUTE MILES

NORFOLK 97

DANGER AREA

USABLE WITH CAUTION

EXTREMELY HAZARDOUS

NON-COMPULSORY REPORTING POINT

COMPULSORY REPORTING POINT

ROUTING POINT MISSED BY ATC REQUEST

RALEIGH 95

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BANNING FM	(-)	FM, 76°,25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°,41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (Int.)	365(DG)(116.1,	SBRAZ-VDT, 149°,0	(4);116.1,122.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°,16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°,11	Long Beach
LA HABRA FM	(. . -)	FM, 77°,21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°,42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, 118.3)	AC	(4);126.18,118.3, 122.5
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV 298°, 3.9	(3);116.1.122.1
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV244°,3.9	(3):116.1.122.1
LOS ANGELES	109.1(LA)	BVAR; 88°,2.0	
MARCH FIELD (Riverside)	201 (126.18)+	CA :49.09 (GCA)	(3); 126.18
MIRAMAR NAAS (San Diego)	239(142.74)	CN(GCA)	(3); 142.74
MOJAVE NAS	3295(126.18, 142.74)		DECOMMISSIONED
MT. LAGUNA	382(TN)(116.1)	BHTV	(4); 116.1(Cont)
MUROC (Army) Muroc AAF	350(DUC)	BMRL	
NEWHALL (Int.)	219 (126.18)	CA, 64°,2.2	(3); 126.18
OCEANSIDE		SBMRL DTV 317°,0.1	(4);116.1,122.1
OCEANSIDE FM	326(OC)(116.1)	BHTV	(4), 116.1(Cont)
PALMDALE	(- - - -)	FM, 325°,34	San Diego
REAM NAAS (San Ysidro)	332(PA)(116.1)	SBMRAZ-DTV, 216°, 2.5	(4), 116.1
RIVERSIDE (March Field)	3295(142.74)	CN	3105,142.74 (745-1630 Mon.-Fri.)
SAN BERNARDINO AAF	388(RV)(vhf),	SBMRAZ-DTV, 128°,2.9	(4);116.1,122.1
SAN CLEMENTE ISLAND OLF	272 (126.18)	CA	(3); 126.18
SAN DIEGO (Lindbergh Field)			DECOMMISSIONED
San Diego NAS	224(SQ)(vhf)	SBRAZ-DTV, 139°, 2.3	(3);116.1.122.1
San Diego NAS (Seaplane)	266 (142.74)	CN	(3);126.18,142.74.
TRONA (Int.)	2870	CN	2870 call 'No. Island'
VICTORVILLE AAF			DECOMMISSIONED
	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S,hwy E	2470	27 S6	80 oct. P-line E.
Arlington(Riverside)	4.5 WSW,RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE,RR N	2190	52h L5 S6	80,91 oct. Poles W.
Barnes(Rosamond)	12 E,rd N	2300	38	(NC) prior req. Poles N
Barstow	1.8 N,hwy S	2150	28 S4	80,91 oct. Range lgts
Big Bear City	0.5 NW,hwy S	6850	37 S1	80 oct, Trees E, hills W.
Borderland(San Ysidro)	1.5 WNW,RR W	80	18 S6	80,91 oct. No sto. Pole line SE.
Boron	0.5 NE,RR S	2550	21 S1	80 oct. Poles E. Data unver

R-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted). → NEW OR REVISED DATA

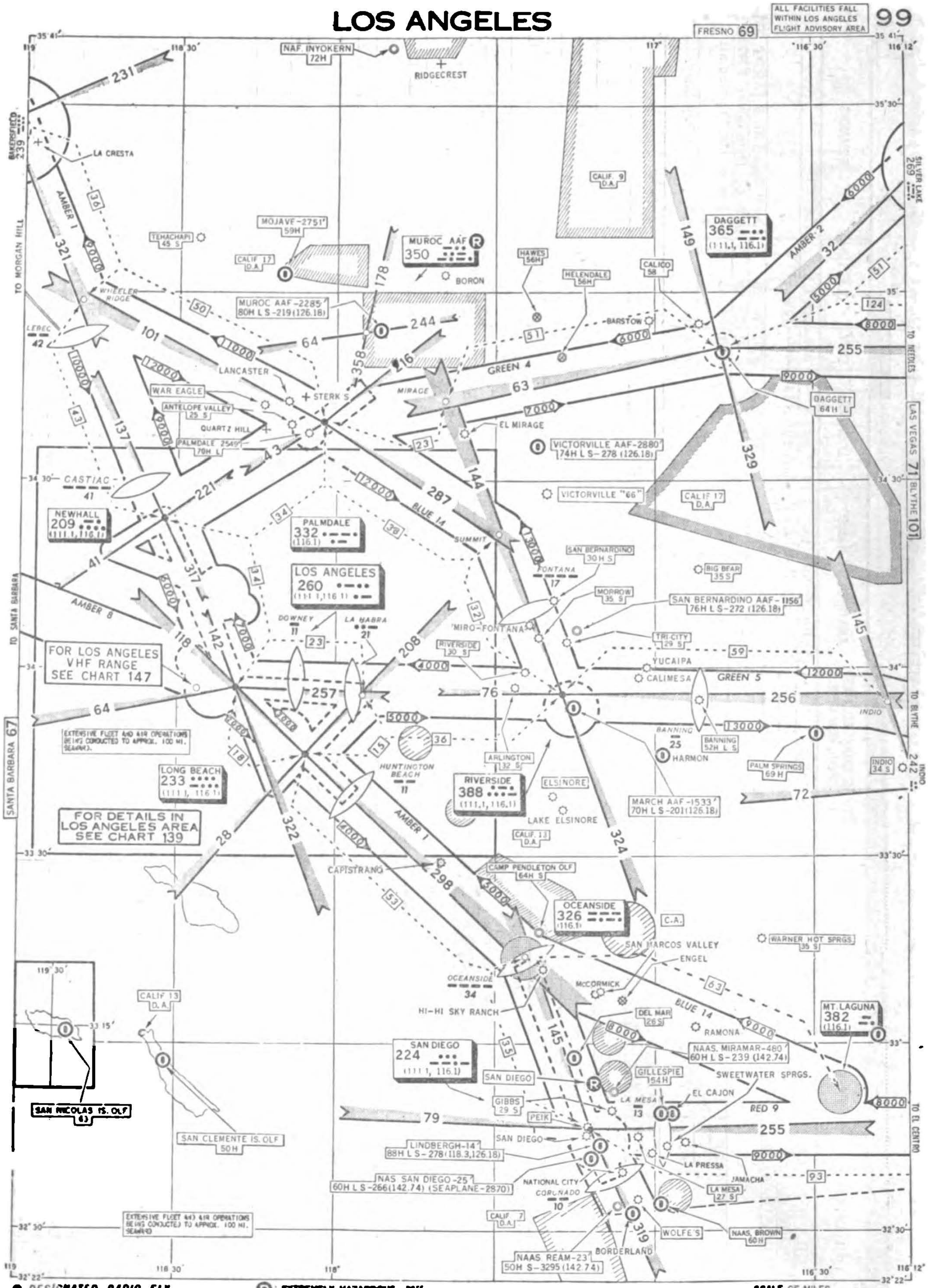
CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Brown NAAS (Otay)(N)	5.5 ESE	523	60h	CLOSED
Buffalo Springs(Avalon) (NC)	See Catalina Arpt under "New Facilities"-name changed			
Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
(N) Camp Pendleton OLF (Oceanside)(N)	6 NNE,RR SE	75	64h L S1	
(N) Castle OLF (San Clemente Island)(N)	On NW end San Clemente Isl.	163	20	(NC)
(N) Clark's Dry Lake OLF (Salton Sea)(N)	25 W of ctr.	450	50	On W portion Dry Lake. (NC)
Del Mar	1.1 NNE	11	26 S1	80,91 oct. 1000' paved rnwy. Data unver.
El Cajon	2.5 N,hwy W	450	23 S6	80,91 oct. No sto.
Elsinore	1 SSE,RR N	1256	26 S4	80 oct. No sto. Hills NW.
Engel(Escondido)	1.5 W,RR N	630	19	CLOSED. Trees SE, hill NW.
Gibbs(San Diego)	7 NNE,hwy W	405	29 S6	80,91 oct. Poles E.
Gillespie(El Cajon)	2 NNW;rd E	385	54h	Towers W. Santee.
Harmon(San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto. INACT
(A) Hawes(Victorville)(A)	27.5 N,RR N	2319	56h	CLOSED
Hi Hi Sky Ranch (Oceanside)	1.5 ENE,RR S	48	18 S6	80,91 oct. No sto. Trees SW.
(A) Helendale(Victorville)	20 N	2508	56h	(A) CLOSED
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct. No sto. Pwr line W
(N) Inyokern NAF (N)	0.5 WNW,RR E	2455	72h	NATS
Jamacha(La Mesa)	6.8 ESE,riv N	520	18 S6	80,91 oct. Hills E.
La Cresta(Bakersfield)	2.5 NE;riv N	660	36h L S6	80,91 oct. Data unver. Flare pots prior req.
Lake Elsinore(Elsinore)	4 SSE,lk W	1252	15 S4	80 oct. No sto.
Lakeside				ABANDONED.
La Mesa	2 WSW,hwy N	500	27 S4	80 oct. Pole line SSE.
Lancaster	0.5 NW,RR E	2330	22 S4	73 oct. No sto. Poles E,S
La Pressa(La Mesa)	4 S,hwy W	275	19 S4	80 oct.
Liberty(Rosamond)	4.1 S,RR E			ABANDONED.
LINDBERGH (San Diego)	2 W	14	88h R2 L5 S6	80,91 oct. ARPT OF ENTRY.
(A) March (Riverside) (A)	8.8 SE,RR SSW	1533	70h R2 L5 S6	62,73,91,100 oct. JP-1. FOREIGN CLEAR STN
McCormick (San Marcos)	1.5 WSW,RR N	550	21 S6	80,91 oct. Poles E.
(A) Mirage(Victorville)(A)	See El Mirage under "New Arpts" - name changed.			
(N) Miramar NAAS (San Diego) (N)	9.5 N	480	60h R1(L6)S4	91,100 oct. No bcn.
(N) Miramar OLF (San Diego) (N)(NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N) (NAS)	0.7 E,hwy W	2751	59h	CLOSED
Morrow (Rialto)	1.8 S;hwys S	1100	32 S6	80,91 oct. P-line E,W.
(A) Muroc AAF (A)	2 S,dry lake N	2285	80h R2 L5 S6	73,100 oct. JP-1. No sto.
National City	1.1 SSE,RR W	10	22 S4	80 oct. Poles, stack NW.
(P) Palmdale	3 NE,RR W	2549	70h R1 L5 S2	91,100 oct.
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct. No sto. Twr SE.
Quartz Hill (Lancaster)	5.5 SW	2450	29 L S5	80,91 oct. Port rnwy lgts. Data unver.
Randsburg (NC)	1.8 NE,rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W	23	50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N)(NC)	6 N,RR W	400	15	
San Bernardino	4.7 NNW, RR 1.5 W	1425	30 L S6	80,91 oct. Port lgts prior req.
(A) San Bernardino AAF (A)	3.5 ESE,RR SW	1156	76h R1 L5 S6	62,73,91,100 oct, JP-1
San Bernardino Co. (Daggett)	See Dagett Int,13 under "New Airports"- name changed.			
(N) San Clemente Island OLF (N)	8 S of N end	926	50h	CLOSED.
San Diego	5 NW,bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1(L6)S6	91,100 oct. NATS
San Marcos Valley (San Marcos)	1 W;hwy,RR N	550	19 S4	80 oct. No sto. Hill NE Pwr line E

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) San Nicolas Island OLF (N)	On E end Isl.	502	63	INACTIVE.
Sweetwater Springs Airanch (La Mesa)	4.2 SE,hwy N	475	22 S1	80,91 oct. Fence E.
Tehachapi	1 N,RR S	3952	45 L S2	73,91 oct. Range lgts. Pole line SE.
Tri-City (San Bernardino)	3.3 SSE,RR S	1015	29 L S6	91,80 oct. Range, obst lgts til 2300 or prior req. P-line E,SE,W,NW.
(A) Victorville AAF(A)	6 NW,RR E	2875	74h R1 L5 S5	100 oct.
Victorville "66"	5.2 SSW;hwy W	3225	26 S1	80 oct. P-line W.
War Eagle (Lancaster)	5 W,hwy N	2348	31	
Warner Hot Springs	3 W,hwy NE	3140	35 S1	Ltd 80 oct. Trees E,S
Wolfe's Arpk (Otay)	1.2 SE,RR W	220	30 S1	80,91 oct. Hills SE.
NEW AIRPORTS				
Sterk's Ranch (Lancaster	2.5 ENE		30 S1	80 oct. Data unver.
(N) Ramona	3 SW	1440	40h	
Sweetwater OLF(San Diego)	7.5 E	480	30h	
Capistrano Awys (San Juan Capistrano, Calif)	1.5 SSW;RR E	35	18 S4	90 oct. Pnwy data unver. Data unver.
Ridgecrest(Calif.)	0.3 S.	2300	40 L S4	80,91 oct. P-line E,NE.
Daggett Int, 13 LA-AC (Calif)	5 E;RR S	1927	64h R1 L3	
(P) Mirage (Adelanto, Calif)	11 W;NW lake, 5 N	2865	36h S5	80,91 oct.
Miro-Fontana (Rialto, Calif.)	1.5 NW;creek N	1400	24 S1	80 oct. T-line NE
(P) [Los Angeles] (Calif)	9.5 SW;RR E	101	60h R3 L6 S6	91,100 oct. Rdo rqrd. Rnwy data unver.
Calimesa (Calif)	2.5SE;RR SW	2250	19 S6	80,91 oct. P-line E.
Yucaipa (Calif)	2.5 SE	2850	17 S1	80 oct. Reservoir S. Priv.

LOS ANGELES


ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA
99
FRESNO 69
NAF INYOKERN 72H
RIDGECREST
231
LA CRESTA
AMBER 1
36
6000
TEHACHAPI 45 S
MOJAVE-2751' 59H
CALIF 17 D.A.
MUROC AAF 350
BORON
MUROC AAF-2285' 80H L S-219 (126.18)
178
HAWES 56H
HELENDALE 56H
CALICO 58
CALIF 9 D.A.
149
DAGGETT 365 (111.1, 116.1)
AMBER 2
32
60000
SILVER LAKE 269
TO MORGAN HILL
WHEELER RIDGE
50
LEBEC 42
101
10000
12000
LANCASTER
WAR EAGLE
ANTELOPE VALLEY 25 S
QUARTZ HILL
PALMDALE 2549' 70H L
STERK S
358
216
GREEN 4
MIRAGE
EL MIRAGE
BARSTOW
51
244
64
63
7000
9000
DAGGETT 64H L
255
329
VICTORVILLE AAF-2880' 74H L S-278 (126.18)
VICTORVILLE "66"
CALIF 17 D.A.
CASTIAC 41
NEWHALL 209 (111.1, 116.1)
221
43
137
287
144
BLUE 14
SUMMIT
PALMDALE 332 (116.1)
LOS ANGELES 260 (111.1, 116.1)
SAN BERNARDINO 30 H S
FONTANA 17
BIG BEAR 35 S
MORROW 35 S
SAN BERNARDINO AAF-1156' 76H L S-272 (126.18)
TRI-CITY 29 S
YUCAIPA
CALIMESA
GREEN 5
256
INDIO
TO NEEDLES
LAS VEGAS 71
BLYTHE 101
TO BLYTHE
INDIO 242
TO SANTA BARBARA
AMBER 8
DOWNEY 11
LA HABRA 21
MIRO-FONTANA
RIVERSIDE 30 S
208
257
76
142
118
317
41
FOR LOS ANGELES VHF RANGE SEE CHART 147
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.
LONG BEACH 233 (111.1, 116.1)
FOR DETAILS IN LOS ANGELES AREA SEE CHART 139
SANTA BARBARA 67
HUNTINGTON BEACH 11
ARLINGTON 32 S
RIVERSIDE 388 (111.1, 116.1)
ELSINORE
LAKE ELSINORE
CALIF 13 D.A.
MARCH AAF-1533' 70H L S-201 (126.18)
BANNING 25
HARMON
BANNING 52H L S
PALM SPRINGS 69 H
INDIO 34 S
72
322
324
AMBER 1
CAPISTRANO
298
CAMP PENDLETON OLF 64H S
OCEANSIDE 326 (116.1)
C.A.
SAN MARCOS VALLEY
ENGEL
WARNER HOT SPRGS. 35 S
OCEANSIDE 34
HI-HI SKY RANCH
McCORMICK
DEL MAR 26 S
BLUE 14
RAMONA
MT. LAGUNA 382 (116.1)
SAN DIEGO 224 (111.1, 116.1)
SAN DIEGO
GILLESPIE 54H
NAAS. MIRAMAR-480' 60H L S-239 (142.74)
SWEETWATER SPRGS.
GIBBS 29 S
PEIK
LA MESA 13
EL CAJON
RED 9
79
255
SAN DIEGO
LINDBERGH-14' 88H L S-278 (118.3, 126.18)
LA PRESSA
JAMACHA
93
NAS SAN DIEGO-25' 60H L S-266 (142.74) (SEAPLANE-2870)
NATIONAL CITY
CORONADO 10
LA MESA 27 S
CALIF 7 D.A.
319
WOLFE'S
NAAS. BROWN 60H
NAAS. REAM-23' 50H S-3295 (142.74)
BORDERLAND
SAN NICOLAS IS. OLF 63
SAN CLEMENTE IS. OLF 50H
CALIF 13 D.A.
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.
119
118 30'
118°
117°
116° 30'
116° 12'
35° 41'
35° 30'
34° 30'
34°
33° 30'
33° 15'
33°
32° 30'
32° 22'
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(0): USABLE WITH CAUTION
NOTE
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE 8 QUADRANTS.
SCALE OF MILES
10 0 10 20 30

BLYTHE

RADIO

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-DTV,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA (Yuma Co.)	230(UP)(vhf)	SBMRAZ-DTV,165°,5.8	(4);116.1,122.1

CALIFORNIA

BLYTHE (AAF)	251(YH)(vhf)	SBMRAZ-DTV,268°,4.1	(4);116.1,122.1
EL CENTRO	212(MB)(116.1)	SBMRLZ-DTV	(4); 116.1
El Centro NAS	317 (142.74)	CN, 320°, 3.7	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	242(IN)(116.1)	BMRLZ-DTV	(4); 116.1
MT. LAGUNA	382(TN)(116.1)	BHTV	(4); 116.1(Cont)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aguila	1.5 NNW			ABANDONED.
(A) Ajo AAF (A)	5 N;RR NE	1434	64h	CLOSED
Conner (Quartzsite)	See Quartzsite under "New Airports" - name changed.			
(A) Date lan AAF	4 W Aztec	450	66h	TMP INACT NO FACS
Echevarria (Wickenburg)	See Wickenburg under "New Airports" - name changed. Fld lgts prior req.			
(A) Gila Bend AAF (A)	4 S,hwy W	858	62h R1 L5	TEMP INACT. NO FACS
(A) Gila Bend #4 (A)	18 SSW	1000	37h	TEMP INACT. NO FACS
(A) Gila Bend #5 (A)	15.3 SW	800	37h	TEMP INACT. NO FACS
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	TEMP INACT.NO FACS
(A) Laguna Landing (A) Strip (Laguna)	6.5 NE	500	50h	
Marsh (Yuma)	0.7 E,RR W	130	40 S6	80 oct.
Parker	1.4 ENE;RR .5 W	430	32 S6	80 oct.
Salome (NC)	0.7 S;RR NW	1876	45 S1	80 oct.Poles NW.
Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi.E,3 mi. W
Sky Ranch (Wickenburg) (NC)	0.8 N,RR W	2000	24 S1	80 oct Hills N
Smiley (Wellton)	13 E,RR S			ABANDONED.
Somerton	3 ENE;canal W	254	26 S4	80 oct.No sto.
★ Tonopah Int,31, LA-PH	5 NNE Wintertersburg			ABANDONED.
Wellton	0.5 NW,RR S	225	24 S6	80,91 oct.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe AAF (A)	7 W,hwy S	397	70h R1	CLOSED
(N) Borego Hotel OLF Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
Brawley	1.3 NE,RR W	-120	30 S6	80 oct.Poles SE,E. ARPT OF
Calexico	1.2 W,riv N	0	28 S6	80,91 oct.Data unver. ENTRY.
Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto.35' poles all zones.
(N) Clark's Dry Lake OLF (N) (NC)	25 W of center Salton Sea	450	50	On W portion Dry Lake.
(N) Coyote Wells OLF -North (N) (NC)	21 NW El Centro	300	26	CLOSED
(N) Coyote Wells OLF -South (N) (NC)	21 WSW El Centro	300	25	
(A) Desert Center	2.5 NE,rd NW	555	50h	AAF(A) CLOSED
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck) other hrs prior req.
(N) EL CENTRO NAS(N)	7 WNW,RR S	-43	69h R2 L5 S4	80,100 oct.Avail 0700 to 1800,
Gary (Blythe)	5 NNW,RR N	392	29h	CLOSED.
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct.No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S4	80,91 oct.Poles N. only.
Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct.Poles SE.No bcn.Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF(Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		24 S6	80 oct. N/S taxiing only! Rnwy data unver.
(P) PALM SPRINGS	2.5 E,RR NE	448	69h L5 S6	80,91,100 oct.
Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
(A) Shavers Summit (Indio) AAF (A)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W CLOSED
(A) Thermal AAF (A)	1.8 SW,hwy W	-117	50h	CLOSED
Twentynine Palms	4.8 N	1768	40h	

NEW AIRPORTS

(P) Yuma Co. (Ariz)	4.5 SSE,RR N	213	65h R1 L2S4	80,91 oct. Bnary lgts prior req.
Wickenburg Mun. (Ariz.)	14.8 WSW;RR N	2380	45 S2	80,91 oct.
Ajo (Ariz)	5 NE;rd,RR W	1490	40 S4	80 oct.Rough in spots.
Quartzsite (Ariz.)	0.3 SSW,hwy E	850	38	Trees N,W.N/S strip hazardous

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data.

BLYTHE

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA

LAS VEGAS 71

TWENTY-NINE PALMS 40H

PALM SPRINGS 691 I

DESERT CENTER 38 L S

CALIF. 18 D A

BRICE AAF 55 H

DESCPT CENTER AAF 50 H

PARKER 32

CALIF ARIZ

WICKENBURG HUN 40 H S

WICKENBURG

GARY - 392° 29H

QUARTZSITE

PERRYVILLE 29

INDIO 34 S

INDIO 242 (116.1)

THERMAL AAF 50 H

PORT MECCA

SHAVERS SUMMIT AAF 60 H

HARVEY

BLYTHE AAF 32 H

HERON 27 S

SALOME 41 L

GILA BEND 257 (116.1)

BLYTHE 251 (111.1, 116.1)

SALTON SEA 40

CALIF. 4 D A

CALIPATRIA

BRAWLEY 30 S

O'CONNELL

IMPERIAL CO

LAGUNA 50H

NAS EL CENTRO (L-43) 69H L S-317 (142.74)

CALIF 12 D A

WHITE TANK

TO CASA GRANDE

TO SAN DIEGO

MARSH 40 S

DATELAN AAF 66 H

GILA BEND NO 5 37H

GILA BEND AAF-BKR 62H

YUMA 230 (111.1, 116.1)

WELLTON

GILA BEND NO 6 37H

GILA BEND NO 4 37H

AJO

ARIZ 1 D A

HOLTVILLE 60 H L S

EL CENTRO 212 (116.1)

MT. LAGUNA 382 (116.1)

CALEXICO 28 S

SOMERTON 26 S

YUMA CO 65 H L S

AJO AAF 64H L S

JACUMBA HOT SPRINGS OLF 25

ARIZ MEXICO

LOS ANGELES 99

PHOENIX 103

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX

(R): EXTREMELY HAZARDOUS
(D): USABLE WITH CAUTION

SCALE OF MILES.
25 0 25 50

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(CI)(vhf)	SBMRAZ-DTV,253°,2.2	(4);116.1,122.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)+	C	(4);116.1,126.18,118.3,122.5
HILLTOP FM	(-)	FM, 78°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3); 142.74 (0730 to sunset)
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-DTV,261°,1.9	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 122.5
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-DTV;307°,3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18
NEW RADIO			
RODEO (Int.)	254(RH)(116.1)	BMRLZ-DTV,24°,0	(4); 116.1,122.1

S-Simul Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

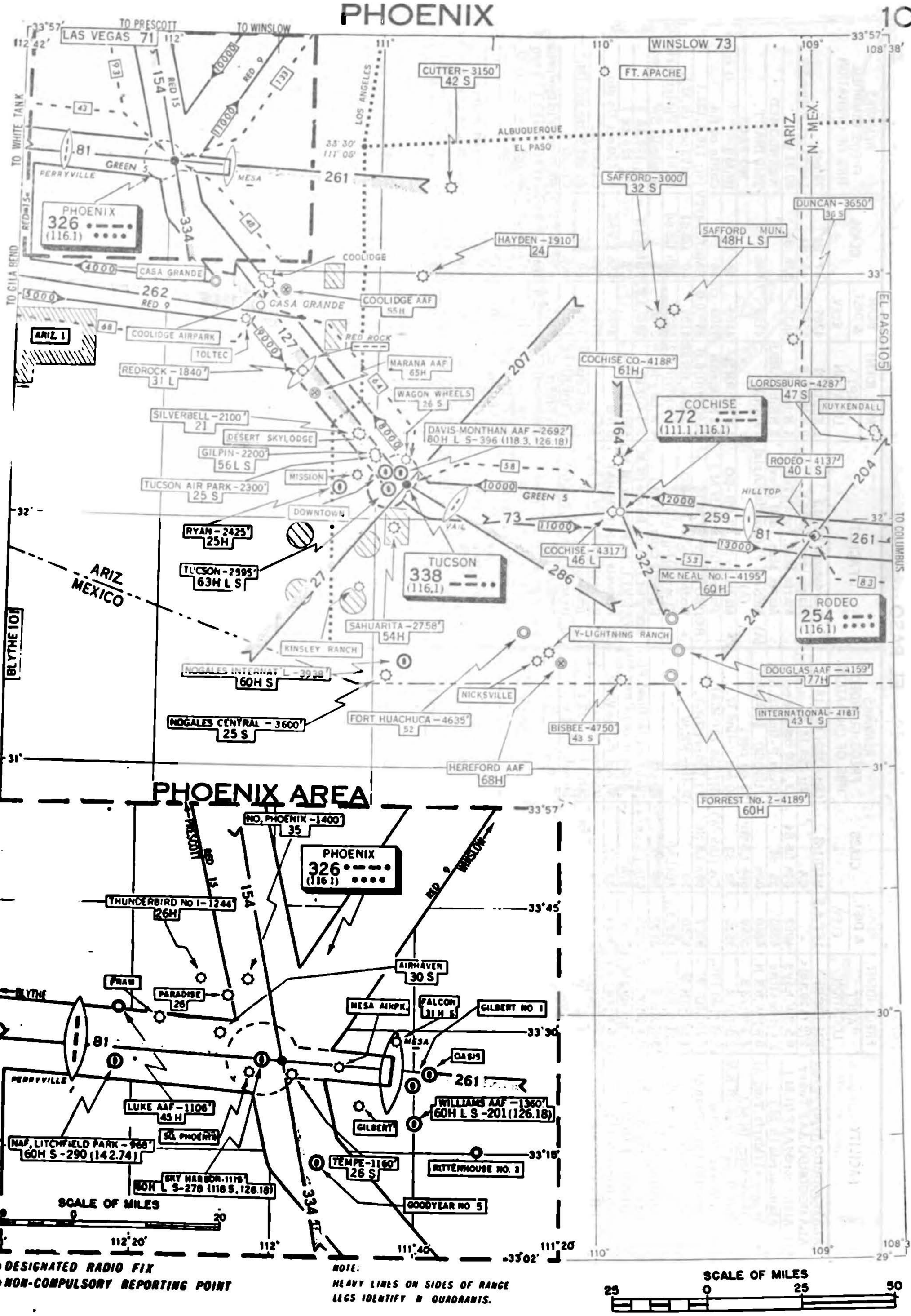
AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW;hwy N	1050	24 S6	80 oct.Rough
Bisbee	6.4 SSE,RR W	4750	43 L S6	80 oct;91 oct on req. Poles W. Port rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Morenci (Clifton)	8.7 SSE,hwy W	3800	53 S2	80 oct.
* Cochise Int,T-3,PH-EO	6 S,	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S;hwy W,S.	1450	32 S1	80 oct,P-line NW.
(A) Coolidge AAF (A)	6 SE	1587	55h	CLOSED
Coolidge Flying Field	1.5 WSW	1450	27 S4	80,91 oct.P-line NE,W;RR 1,5 E
Cutter (Globe)	6.8 ESE,RR N	3150	37 S6	80,91 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	4.2 SE;RR S	2692	80h R2 L5 S6	80,100 oct.P-line S.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	CLOSED,Twr E
Duncan	1 NE	3650	36 S2	80 oct.Poles WSW.
Falcon (Mesa)	7.3 NE;riv 2 N	1332	31h S4	80,91 oct.
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	CLOSED.
(P) Ft.Apache (White River)	2.6 SSW,riv S	5109	34 S2	80 oct. P-line N,NE
(A) Ft. Huachuca (A)	3.5 E;RR NW	4635	52	
Gilpin (Tucson)	4.2 NW,RR W	2200	56 L5 S6	80,91 oct;No flood, Fld lgts prior
Hayden	1.2 S,hwy E	1910	24	Obst sur fld. req.
(A) Hereford AAF(A)	2.5 WSW,rd N	4347	68h	Twr SE. CLOSED
← INTERNATIONAL (Douglas)	3.3 E	4181	43 L4 S4	80,91,100 oct.Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW;hwy F	3100	25	PRIVATE.
Litchfield (Litchfield Park)(NC)	0.5 NW;cty SE	1062	37	PRIVATE.
(N) Litchfield Park NAF (N)	4.8 S;RR S	968	60h R1 S1	100 oct.
(NG) Luke (Phoenix) (NG)	18 WNW	1106	45h S4	100 oct,2nd ech. maint NG.
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	CLOSED.
(A) Marana AAF (A)	6 NW;riv 1 W	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W
Mesa Airpark	1.4 W;hwy S	1238	27 S6	80,91 oct.No sto.P-line E.
Nogales Central	3 N,RR E	3600	25 S6	80,91 oct,P-line ESE.

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Nogales International	8 NE;hwy NW	3938	60h L5 S4	80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35 S1	80 oct.
Paradise (Phoenix)	6 NNW,canal S	1256	26 S4	80,91 oct. Trees S
Phoenix Airhaven	See Airhaven under "New Airports" - name changed.			
* Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	31 L5	P-line NE.
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
(P) Safford Mun	4.5 ENE;riv 2 S	3176	48h L5 S4	80,91 oct. Fld lgts prior req.
Sahuarita Flight Strip	2.2 E,	2758	54h	
(P) Sells (NC)	2 NW,rd E	2380	24	
Silverbell (Tucson)	11.2 NW;riv NE	2100	21	
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	91, 100 oct, Fld lgts prior req.
Superior (NC)	2 WSW,hwy N	2600	19 S4	73,80 oct. P-line NNE. Slopes WSW
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W.
Three Point (Casa Grande)(NC)	1.5 NNW;hwy E	1400	37 S4	80 oct,P-line NE,SW.
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	40	
Toltec	0.4 NNW;RR SW	1500	25	Poles SSW,WSW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	26 S6	80 oct,P-line NW.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct. Slopes to SSE,P-line S,SE
Wickersham (Safford)	See Safford under "New Facilities" - name changed.			
Willcox (NC)	0.9 WNW,hwy E			ABANDONED.
(A) Williams (Chandler) (A)	10 E;RR 1 SW	1360	51h R1 L5 S6	73, 91, 100 oct. JP-1.
NEW AIRPORTS				
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
* Rodeo Int; 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
# Downtown (Tucson,Ariz.)	1.4 S;RR SW	2400	42 L S6	80,91 oct,P-line N,S,NW. Port bndry lgts.
Nicksville (Hereford,Ariz.)	9 W;hwy W	4750	32 S4	80 oct.Poles SW.
Y-Lighting Ranch (Hereford,Ariz.)	6 WNW;rd W	4400	26	
Gilbert (Ariz)	0.7 SSW	1200	16 S1	80 oct.P-line E,fence W.
Airhaven (Phoenix,Ariz)	3.9 WNW;RR SW	1150	30 S4	80 oct.No sto.Poles SW,NE.
Gram (Glendale,Ariz)	See Fram below - name changed.			
Oasis (Mesa,Ariz)	11.5 E;hwy N	1550	18 S4	80 oct.No sto.Trees NE,SW.
South Phoenix, (Ariz)	3 SSE;riv N	1100	26 S6	80 oct.No sto.P-line E,W.
Mission Arpk (Tucson,Ariz)	8.3 WSW;rd S	2665	22 S6	80 oct Poles W
(P) Safford (Ariz.)	2.5 S;hwy W	3000	37 S6	80,91 oct. Poles S,SE.
Desert Skylodge (Tucson,Ariz.)	10 NNW;RR NW	2025	32 S6	80,91 oct.Poles NW,WNW.
Fram (Glendale,Ariz)	5 W;rd E	1060	21 S6	80 oct,Poles E,W,E end hazardous.
Benson (Ariz)	2 ESE;RR,hwy N	3500	42 S4	80 oct.P-line N,ENE.
Casa Grande Aux #4 (Ariz)	5.2 NNW;hwy E	1430	37h	
← Gilbert Aux #1 (Ariz)	7 ENE	1400	40h	
Goodyear Aux #5 (Ariz)	2.6 WSW	1175	55h	
Rittenhouse Aux #2 (Ariz)	6.3 NE	1550	37	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted). ← NEW OR REVISED DATA.


LAS VEGAS 71
TO PRESCOTT
TO WINSLOW
WINSLOW 73
CUTTER – 3150' 42 S
FT. APACHE
LOS ANGELES
ALBUQUERQUE
EL PASO
ARIZ.
N. MEX.
TO WHITE TANK
PERRYVILLE
GREEN 5
MESA
261
PHOENIX 326 (116.1)
334
CASA GRANDE
262
RED 9
COOLIDGE AAF 55H
COOLIDGE
HAYDEN – 1910' 24
SAFFORD – 3000' 32 S
SAFFORD MUN. 48H L S
DUNCAN – 3650' 36 S
COOLIDGE AIRPARK
TOLTEC
RED ROCK
MARANA AAF 65H
REDROCK – 1840' 31 L
WAGON WHEELS 26 S
SILVERBELL – 2100' 21
DESERT SKYLODGE
GILPIN – 2200' 56 L S
DAVIS-MONTHAN AAF – 2692' 80H L S-396 (118.3, 126.18)
COCHISE CO – 4188' 61H
LORDSBURG – 4287' 47 S
KUYKENDALL
COCHISE 272 (111.1, 116.1)
RODEO – 4137' 40 L S
TUCSON AIR PARK – 2300' 25 S
MISSION
DOWNTOWN
HILLTOP
TO COLUMBUS
EL PASO 105
RYAN – 2425' 25H
TUCSON 338 (116.1)
TUCSON – 2595' 63H L S
COCHISE – 4317' 46 L
MC NEAL NO. 1 – 4195' 60 H
RODEO 254 (116.1)
ARIZ
MEXICO
BLYTHE 101
SAHUARITA – 2758' 54H
KINSLEY RANCH
Y-LIGHTNING RANCH
NOGALES INTERNAT'L – 3938' 60H S
DOUGLAS AAF – 4159' 77H
NICKSVILLE
NOGALES CENTRAL – 3600' 25 S
FORT HUACHUCA – 4635' 52
BISBEE – 4750' 43 S
INTERNATIONAL – 4181' 43 L S
HEREFORD AAF 68H
FORREST No. 2 – 4189' 60H
PHOENIX AREA
NO. PHOENIX – 1400' 35
PHOENIX 326 (116.1)
THUNDERBIRD No. 1 – 1244' 26H
AIRHAVEN 30 S
PARADISE 26
MESA AIRPK.
FALCON 31 H S
GILBERT NO. 1
OASIS
LUKE AAF – 1106' 45 H
GILBERT
WILLIAMS AAF – 1360' 60H L S-201 (126.18)
NAF, LITCHFIELD PARK – 968' 60H S-290 (142.74)
SKY HARBOR – 1116' 60H L S-278 (116.5, 126.18)
TEMPE – 1160' 26 S
RITTENHOUSE NO. 3
GOODYEAR NO. 5
SCALE OF MILES
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY IN QUADRANTS.
SCALE OF MILES

EL PASO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALAMOGORDO Army Range	221 (DGR)	167°,6.5	BMRLZ	(3); 4220; 126.18
ALAMOGORDO AAF Tower	272 (126.18)		CA	(3); 126.18 maint.(A)
(A) Alamogordo AAF (N.M.)	8.5 SW;hwy S	4092	84h L5 S4	73, 100 oct. 3rd ech
Alamogordo (N.M.)	2.4 N;bet RRs	4320	29 S6	80 oct. P-line SE, NW,
(A) Aragon #5 (Marfa, Tex)(A)	9 WNW;RR N	4880	60h	CLOSED SSE, SSW.
(P) Artesia Mun. (N.M.)	4.2 W;rd S	3550	69h L5 S1	73-91 oct
B&B Fly.Svc.(Roswell,N.M)	2 S;RR E	3600	32 S2	80 oct P-line W.
BIGGS Tower (Texas)	396 (126.18)+		CA (ILS-W)	(3); 126.18 (GCA)
(A) Biggs (El Paso, Tex)(A)	6 NE;RR W	3937	96h L5 S6	73,100 oct; JP-1.
Bowie (Ariz)	1.9 W;RR N	3800	20	P-line NE, W
CARLSBAD Range (N.M)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct
(P) Carlsbad, mun. (N.M.)	6.1 SSW;hwy SE	3276	67h L5 S6	73-91 oct. No flood. Fld lgts on req. Rnwy data unver.
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Carrizozo (N.M.)	0.6 N;hwy S, E	5420	33 S2	80 oct. P-line WSW.
Clifton-Greenlee Co.	8.7 SSE;hwy W	3800	35	(Clifton, Ariz)
COLUMBUS Range (N.M)(Int)	284(KS)(116.1)	262°,1.9	SBMRAZ-DTV	(4); 116.1, 122.1
★ Columbus Int,34,PH-EO	0.6 ESE;hwy N	4024	42 L3 S1	80 oct. (N.M.)
(P) Culberson Co.(Van Horn)	3.5 ENE;RR S	3955	60h	(Texas)
★ Delaware Springs Int.,11, EO-FV (Texas)	16.8 E of Pine Springs	3955	40 L3 S1	91 oct. P-line SSE
(A) Deming AAF (A) (N.M)	2 ESE;hwy W	4314	81h	CLOSED.
Deming Arpk (N.M.)	6 WSW;RR N	4300	31 S4	73 oct. No sto.
(A) Deming (South)(N.M.)(A)	19.5 SSW	4240	60h	CLOSED.
(A) Deming (Center)(N.M.)(A)	11.5 W;hwy S	4440	60h	CLOSED.
(A) Douglas AAF (Ariz)(A)	8.5 NNW	4159	77h	CLOSED Twrs E.
Duncan (Ariz)	1 NE;race track W	3650	36	P-line W
EL PASO Range (Anderson) (Tex)	242(EO)(116.1)	257°,4.9	SBRAZ-DTV	(3); 116.1, 122.1
EL PASO Tower (Tex) [El Paso Mun.](Tex)	See Anderson under "New Facilities" - name changed.			
	See Anderson under "New Facilities" - name changed			
ENGLE Range (N.M.)(Int.)	344(EX)(116.1)	176°,2.9	SBRAZ-DTV	(4); 116.1
✱ Engle Int,10,EO-PU(N.M.)	2.6 E;hwy N	4853	45 L3	
(A) Forrest #2 (Douglas,Ariz)	6.4 WNW	4189	60h	CLOSED(A)
Fort Hancock (Tex)	0.7 SE;RR N			ABANDONED
GUADALUPE PASS (Tex)	(116.1)		VP	(4);116.1,122.1
★ Hachita Int,29B,PH-EO	0.8 W;RR N	4498	38 L3	P-line N. (N.M.)
Hot Springs (N.M.)	7.4 N;hwy E	4750	75 S4	80 oct. Rnwy data unver
★ Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	(Texas)
Hurley (N.M.)	0.8 W;RR E	5748	33 S4	73 oct. No sto.
[International](Douglas, Ariz)	3.3 E;hwy N	4181	43 L4 S4	80-100 oct. Fld lgts prior req. ARPT OF ENTRY
John J.Small (Carlsbad)	3.5 SSE;RR NE	3150	27 S1	73 oct. (N.M.)
Jundt (Strauss, N.M.)	8.8 ESE;hwy NE	3709	32 S6	73,80 oct. No sto. Trees
Kent (Texas)	0.6 WNW;RR S	4260	21	P-line NE,SW. PRIV. E.
Las Cruces (N.M.)	1 NE;hwy N	3900	35	
Las Cruces, mun.(N.M.)	8.5 W;hwy S	4426	75h L5	Site 4, EO-PU.
Las Cruces (old)(N.M.)	9.5 NE;hwy S	4538	39	Pwr line S. Mtn E.

FACILITY	FREQ., IDENT ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Lordsburg (N.M.)	1 SE;RR N	4287	47 S1	73 oct.
Magdalena (N.M.)	0.8 N;RR S	6572	48 S1	Ltd 73 oct. P-line SW.
Marfa Mun. (new)(Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
(A) McNeal #1 (Douglas,Ariz) (A)	19 NNW	4195	60h	TMP INACT NO FACS.
✱ Mt.Riley Int,37,PH-EO	1.8 SE;RR N	4106	36 L2	(N.M.)
Parker (Ruidoso,N.M.)	8.2 NNE;rd N	7200	36	Cattle on fld.
RODEO Range (N.M.)	254(RH)(116.1)	24°,0.0	BMRLZ-DTV	(4); 116.1,122.1
★ Rodeo Int,26A,PH-EO	7.3 NNE;RR SE	4137	40 L3 S1	Ltd 73 oct. (N.M.)
[Roswell] (N.M.)	1.6 WNW;RR 2	3621	56h L5 S6	80,91 oct. Fld lgts prior
Roswell Com. (N.M.)	4 W;hwy N E	3700	33	Windmill SW. req.
ROSWELL Army Range (N.M.)	305 (DEH)	255°,3.6	SBMRAZ	(3); 126.18
ROSWELL AAF Tower (N.M.)	396 (126.18)+		CA	(3); 126.18
(A) Roswell AAF (N.M.)(A)	6.5 S	3666	85h L5 S6	91,100 oct. No sto.
(A) Roswell AAF #3(N.M.)(A)	18 S	3712	70h	CLOSED.
Ruidoso (N.M.)	2.2 NNE;hwy W	7000	60 S2	80 oct. Mtns sur fld.
(A) Ryan #3 (Marfa,Tex)(A)	19 WNW;RR NE	4750	60h	CLOSED.
Safford (Ariz)	4.5 ENE;riv S	3176	48h L5 S5	80,91 oct. Fld lgts prior
SALT FLAT Range (Tex.)	335(DN)(116.1)	162°,2.7	BMRLPZ-DTV	(4);116.1,122.1 req
★ Salt Flat Int,8A,EO-FV	17 SW Guad.PS	3710	40 L3 S1	80 oct. Hwy S. (Tex)
Sierra Blanca (Tex)	2.8 ESE;hwy N	4450	21	P-line N.
Silver City (N.M.)	11.5 SE;hwy E	5400	54	
Skytel (Deming, N.M.)	1.4 WSW	4300	38 S2	73,80 oct. P-line E.
Socorro (N.M.)	2.5 S;hwy E	4759	60h L5 S1	80 oct. Use rnwys only.
State College(Mesilla Park)	1.2 E;RR W	3800	30 S6	73 oct. No sto.(N.M.)
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Tracy (Carlsbad,N.M.)	2 ENE;hwy S			ABANDONED.
Tularosa (N.M.)	2.2 N;RR W	4550	34	
Valley (Berino, N.M.)	1 ENE;hwy W	3825	34 S1	73 oct. 50' hi-line E.
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct. Poles NW.
Whitehill (Silver City,N.M.)	4 SSE	5800	30	P-line N. Rnwy data
Wickersham (Safford,Ariz)	2.5 S;RR NE	3000	32 S6	80,91 oct unver

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

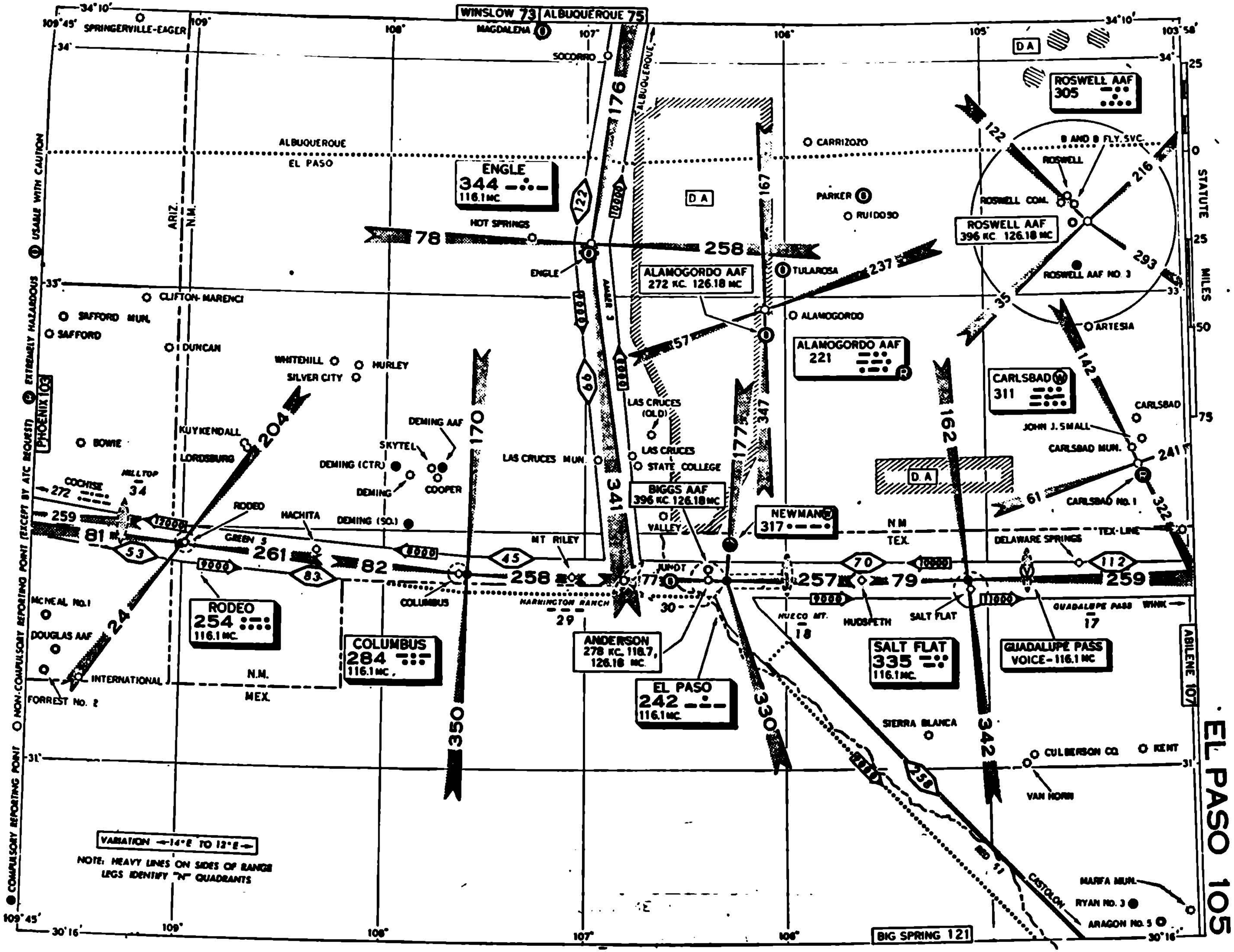
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
BIGGS (A)	109.9	333.8	210°	IM- (0.26)	MM- ····· (0.85) OM- — — (4.35)
					MMK- OMK-
ANDERSON	109.5	332.6	217°	IM-	MM- •—•— (0.67) OM- — — (4.56)
					MMK- OMK-
				IM-	MM- OM-
					MMK- OMK-

NEW FACILITIES

NEWMAN H Fac (Tex)	317(P)	357°,11	MHW	El Paso (cont)
McCombs Fld #1(Pine Spgs,Tex)	7.5 NNE	5200	20	Rough. Emerg use only
Kuykendall (Lordsburg)	0.8 NNW;hwy E	4290	29 S1	80 oct. P-line NNE, SE. (N.M.)
Springerville-Eager (Ariz)	1,5 W	7000	37 S1	80 oct.
Cooper (Deming, N.M)	2.7 S	4300	25 L S1	80 oct Ctc, obst lgts prior req
ANDERSON Tower (Tex)	278(126.18, 118.7)		AC(ILS)	(4);122.5,118.7,126.18
[Anderson](El Paso,Tex)	4.8 ENE;RR SW	3936	70h L6 S6	73,91,100 oct. ARPT OF ENTRY.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

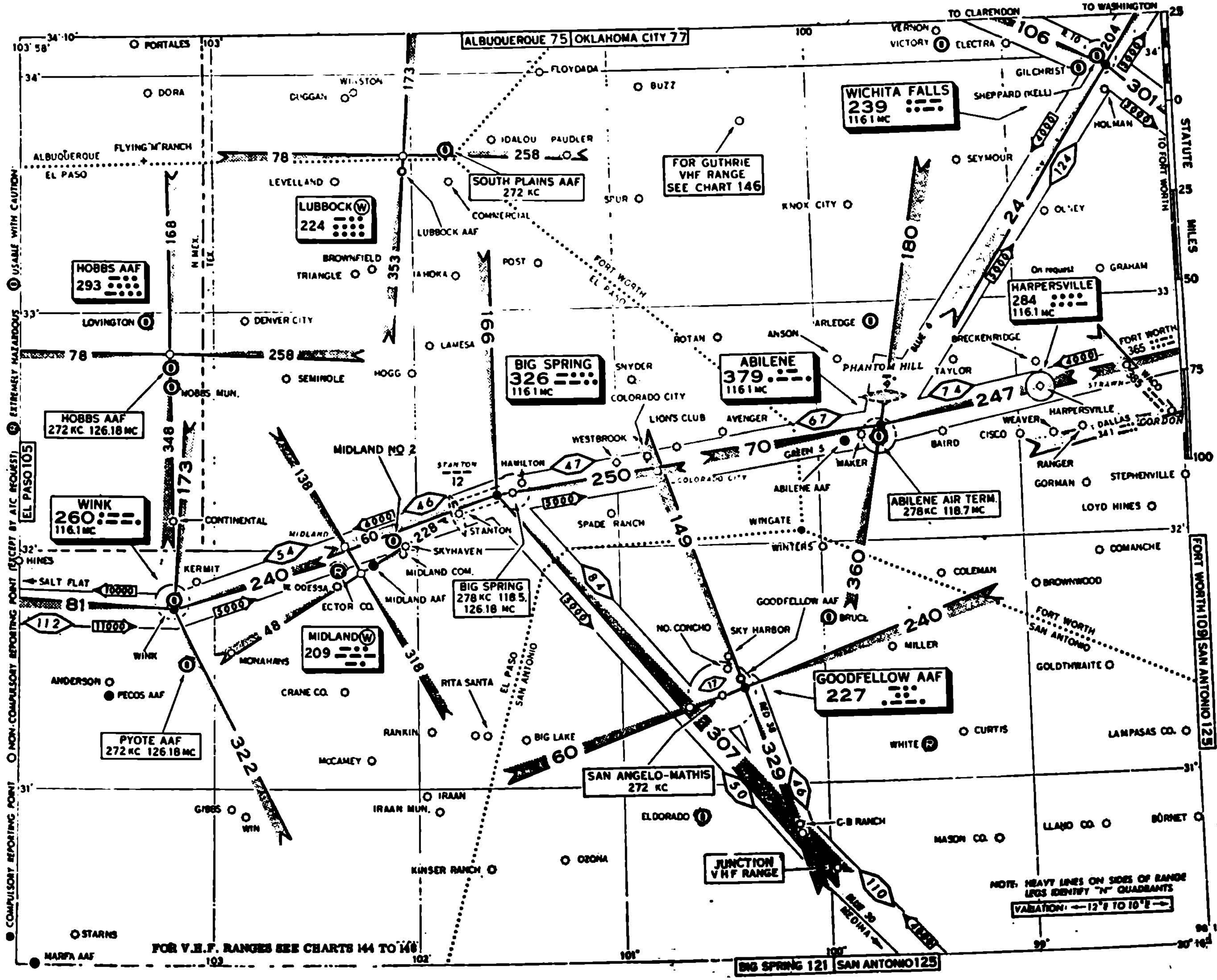
AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are underlined and non-capitalized.


WINSLOW 73
ALBUQUERQUE 75
SPRINGERVILLE-EAGER
MAGDALENA
SOCORRO
ALBUQUERQUE
ALBUQUERQUE
EL PASO
ENGLE
344
116.1 MC
HOT SPRINGS
78
258
ENGLE
ALAMOGORDO AAF
272 KC 126.18 MC
CARRIZOZO
PARKER
RUIDOSO
TULAROSA
ALAMOGORDO
ALAMOGORDO AAF
221
ROSWELL AAF
305
ROSWELL AAF
396 KC 126.18 MC
ROSWELL COM.
ROSWELL
B AND B FLY. SVC.
ROSWELL AAF NO. 3
ARTESIA
CARLSBAD
311
CARLSBAD
JOHN J. SMALL
CARLSBAD MUN.
CARLSBAD NO. 1
ARIZ.
N.M.
CLIFTON-MARENCI
SAFFORD MUN.
SAFFORD
DUNCAN
WHITEHILL
HURLEY
SILVER CITY
BOWIE
KUYKENDALL
LORDSBURG
DEMING AAF
SKYTEL
DEMING (CTR)
DEMING
COOPER
LAS CRUCES
(OLD)
LAS CRUCES
LAS CRUCES MUN
STATE COLLEGE
BIGGS AAF
396 KC 126.18 MC
VALLEY
NEWMAN
317
NM
TEX.
TEX-LINE
DELAWARE SPRINGS
COCHISE
272
259
81
MILLTOP
34
RODEO
HACHITA
DEMING (SO.)
GREEN S
261
82
258
MT RILEY
COLUMBUS
HARRINGTON RANCH
29
JUNOT
77
257
79
259
30
HUECO MT.
18
HUDSPETH
SALT FLAT
GUADALUPE PASS
WINK
17
RODEO
254
116.1 MC
COLUMBUS
284
116.1 MC
ANDERSON
278 KC 116.7,
126.18 MC
EL PASO
242
116.1 MC
SALT FLAT
335
116.1 MC
GUADALUPE PASS
VOICE-116.1 MC
MCNEAL NO.1
DOUGLAS AAF
INTERNATIONAL
FORREST NO. 2
N.M.
MEX.
SIERRA BLANCA
CULBERSON CO.
KENT
VAN HORN
MARFA MUN.
RYAN NO. 3
ARAGON NO. 5
CASTOLON
BIG SPRING 121
PHOENIX 103
ABILENE 107
D A
122
167
216
293
35
57
237
142
241
61
322
176
170
204
24
53
83
45
70
79
112
259
66
177
347
162
341
350
330
342
258
STATUTE MILES
25
50
75
EL PASO 105
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
VARIATION 14°E TO 13°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "H" QUADRANTS
109°45'
109°
108°
107°
106°
105°
103°58'
34°10'
34°
33°
30°16'

ABILENE

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
(A) Abernathy #1 (Tex) (A)	5 ENE			ABANDONED.
ABILENE Range (Tex) (Air Term.)	379(AP)(116.1)	180°, 2.2	SBRAZ-DTV	(3); 116.1, 122.1 NATS
ABILENE AIR TERM Tower (Tex)	278 (118.7)		C	(4); 118.7, 126.18, 122.5 (7-23)
(P) [Abilene Air Terminal] (Tex)	2.8 ESE; RR N	1758	36h L5 S6	80, 91 oct. 100 oct. Army
(A) Abilene AAF (Tex) (A)	7 WSW; hwy N	1791	51h	CLOSED. P-line S, SE, SW.
Anderson (Pecos, Tex)	1.8 NNW; RR W	2620	42 S6	80 oct. Poles sur fld.
Anson (Tex)	0.8 ENE; RR W	1650	21 S1	80 oct.
Arledge (Stamford, Tex)	5 SE; RR SW	1600	23h	P-line S.
(P) Avenger (Sweetwater, Tex)	3.5 W; RR S	2370	62h L5 S6	80, 91 oct.
Baird (Tex)	3.1 NNE; hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW; RR S	2950	37 S2	80 oct. Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-DTV	(3); 116.1, 122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4); 126.18, 122.5, 118.5 (7-23)
(N,P) [Big Spring] (Tex)	3.3 WSW; hwy N	2595	64h L5 S6	80, 91, 100 oct. NATS
Breckenridge (Tex)	2.5 S; RR E	1250	29 S6	80 oct. P-line N, E, NW.
Brownfield (Tex)	5 E; hwy N	3314	50 S2	80 oct. P-line N, NE.
(P) Brownwood Mun. (Tex)	6.3 NNE; RR S	1386	50h L5 S4	80, 91 oct. Ctc lgts on req.
Bruce (Ballinger, Tex)	4.5 SSW; hwy NW	1731	23h L S6	80, 91 oct. B-2 lgts on req. Use
Burkburnett (Tex)	1 SE; RR SW			ABANDONED rnwys.
Burnett (Tex)	2 NE; RR W	1325	21 S1	80 oct. P-line SW
Buzz (Roaring Springs, Tex)	2.3 NNE; hwy W	2600	26 S1	80 oct.
C-B Ranch (Ft. McKavett, Tex)	1.5 W; road S	2150	32 S1	80 oct. Livestock on fld
Cisco (Tex)	2.5 NNW; lake 2 N	1620	30 L S4	80, 91 oct. Flare pots, flds
Coleman (Tex)	1.7 NE; crk SW	1685	16h S2	80, 91 oct. Use rnwys prior req.
Comanche (Tex)	1.7 NNW; hwy SW	1500	14	
Commercial (Lubbock, Tex)	3.2 SE; bet hwys	3240	40 S6	73, 80 oct. No sto. Use strips
Continental (Jal, N.M.)	0.7 W; hwy E	3100	20	
Crane Co. (Crane, Tex)	1 NNW; hwy E	2900	45 S1	73 oct. Hi-line S.
(P) Curtis (Brady, Tex)	3 N; hwy SE	1830	42 L3 S1	Ltd fuel.
Denver City (Tex)	0.8 NW	3584	40 S1	80 oct. Data unver.
Dora (N.M.)	1.3 E; hwy W	4000	27 S1	73 oct. P-line N.
Duggan (Littlefield, Tex)	1.2 S; RR NE	3550	37 S4	80, 91 oct. Pwr line E, NE, SE
Dyche (Ft. Stockton, Tex)	9 SW; RR E			ABANDONED
Ector Co. (Odessa, Tex)	5 NNW; hwy W	2900	50 S6	80, 91 oct.
Eden (Tex)	1 NW; hwy E			ABANDONED
Eldorado (Tex)	1 W; RR E	2400	32 S1	80 oct. Poles E. Cattle on fld
Electra (Tex)	3.6 WNW; RR S	1229	27 S2	80 oct.
Floydada (Tex)	1.2 NNW; RR N	3287	20 S1	80 oct. P-line S. RR SW.
Flying "M" Ranch (Milnesand)	0.4 NNW; hwy E	4360	20 S2	80 oct. Data unver. (N.M.)
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.
Gilchrist (Wichita Falls, Tex)	7 WNW; RR S	1020	30 S1	80 oct. P-line S.
GOODFELLOW Army Range (Tex)	227 (DIP)	329°, 2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo, Tex) (A)	3 SE; rds N, W	1877	55h	TMP INACT.
Gorman (Tex)	1 S; RR NE	1400	26 S2	80 oct. Poles NNE.
HARPERSVILLE H Fac. (Tex)	284 (HV)(116.1)		MHTV	(4); 116.1, 122.1
* Harpersville Int, 44, EO-FV (Tex)		1396	45 L3	9.2 S of Breckenridge
HOBBS Army Range (N.M.)	293 (DHB)	168°, 2.8	MRLZ	(3) (V, 7-23)
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (630-23)
(A) Hobbs AAF (N.M.) (A)	8 NW; RR NE	3707	88h L5 S4	100 oct. prior req.
Hobbs Mun. (N.M.)	5 W; hwy N	3658	50h L5 S6	80, 91 oct. P-line N. Fld lgts
Hogg (Lamesa, Tex)	3 W; hwy N	3000	38 S1	80 oct. Bldg SW
Holman (Wichita Falls, Tex)	3.1 SSE; hwy W	980	31 L S6	80, 91 oct. Poles SE, E, NE
Idalou (Tex)	5.5 ENE	3189	54h	Flood lgts.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE; hwy W	2500	33 S2	80, 91 oct. P-line N, S, SE. Use strips only.
Kermit (Tex)	1.3 E; hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona, Tex)	25 W; riv W	2474	24 S1	80 oct. PRIV. Data unver
Knox City (Tex)	0.8 SSE; RR W	1550	17	
Lamesa (Tex)	8 NNE; hwy E	3031	43h	Use rnwys only.
Lamesa Com. (Tex)	1.8 WNW; hwy S			ABANDONED
(P) Lampasas Co. (Lampasas, Tex)	6 NW; RR S	1480	42 S2	80 oct.
Loveland (Tex)	2 S; hwy W	3550	25 S1	80 oct. P-line NW, SW
NEW FACILITIES				
Maker (Abilene, Tex)	2.7 W; hwy, RR N	1750	30 S6	80 oct. P-line N, NE, NW.
Goldthwaite (Tex)	2.6 WSW; hwy NW	1560	35 S2	80 oct. P-line W.
Vernon (Tex)	2.3 SSE; hwy W	1210	27 S6	80 oct. Rough N, soft S ends

FACILITY	FREQ., IDENT / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Llano Co. (Llano, Tex)	2.4 NNE; riv NE	1029	40 S1	73 oct.
Lovington (N.M.)	0.8 E; hwy S	3985	36 S1	73 oct. P-line S, SE, SW
Loyd Hines (Dublin, Tex)	1.3 NW; RR SW	1260	18 S1	73 oct. Poles NW, SW, SE.
LUBBOCK Army Range (Tex)	224 (DHH)	173°, 3.7	MRLWZ	
(A) [Lubbock AAF] (Tex) (A)	9 W; RR S	3332	65h	TEMP INACT. NO FACS.
(A) Marfa AAF (Tex) (A)	9 ESE; RR N	4885	75h	CLOSED.
(P) Mason Co. (Mason, Tex)	3.2 ESE; hwy N	1500	44	
McCamey (Tex)	0.8 SW; RR N	2425	38 S6	80 oct. Hi-line SSE.
Me-Tex (Hobbs, N.M.)	4.5 W; hwy N			ABANDONED.
MIDLAND Army Range (Tex)	209 (DON)	48°, 3.8	MRLWZ	
(A) [Midland AAF] (Tex) (A)	9.5 WSW; RR S	2867	64h	CLOSED.
MIDLAND #2 Tower (Tex)				DECOMMISSIONED
[Midland #2] (Tex)	3 NNW; rd E	2805	64h L5 S1	80, 91 oct. P-line SE.
Midland Com. (Tex)	1.1 SSE; hwy N	2800	30 S6	80 oct. P-line sur fld Strip
Miller (Leaday, Tex)	1 S; riv W	1525	31 S6	73 oct. No sto ends rough
Monahans (Tex)	1.2 SW; RR N	2643	32 S6	80, 91 oct. P-line SSW
[North Concho] (San Angelo, Tex)	1.7 WNW; RR E	1850	28 S6	80, 91 oct. P-line N, E, SE.
(P) Olney (Tex)	4 WSW; rd S, N	1274	55h L5 S6	80, 91 oct. Lgts prior req.
Ozona (Tex)	4.9 WSW; hwy N	2474	52 S1	80 oct.
Paducah (Tex)	2.5 ESE; RR NW			ABANDONED
Parker (Texon, Tex)	2.3 W; RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW; RR W	2617	72h	CLOSED.
Portales (N.M.)	4.5 SW; RR NNW	4200	46 S1	73 oct.
Post (Tex)	0.8 NE; RR W	2700	28	SSW, W blckd Canyon E
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW; RR N	2612	85h L5 S4	73, 91, 100 oct; JP-1 fuel
Ranger (Tex)	1.5 SSW; RR W	1420	28 S6	80 oct. P-line NE
Rankin (Tex)	0.4 NE; RR S	2500	27	P-line S, SE Hills sur fld
Rita Santa (Tex)	0.5 S; RR N	2800	40	Emerg use only. Obsts sur fld
Rotan (Tex)	1.4 NNW; rd E	2000	26	Poles E. CAUTION
SAN ANGELO-MATHIS Tower (Tex)	272		CI	(4) 12 noon 'til 1 hr. after
[San Angelo-Mathis] (Tex)	8.5 SSW; rd NW	1915	59h L5 S6	80, 91 oct. sunset. Closed Mon
Seminole (Tex)	1.3 E; lake SE	3312	34 S6	80 oct. P-line S. Use strips
Seymour (Tex)	1.3 SE; riv SW	1300	27 S1	80 oct.
[Sheppard/Kell Mun.] (Wichita Falls, Tex)	5.8 N; hwy W	1028	66h L5 S6	80, 91, 100 oct. P-line W.
Sky Harbor (San Angelo, Tex)	4.6 NNW; RR SW	1840	30 L3 S4	80, 91 oct. After 2100 lgts on req. P-line W, NW
Skyhaven (Midland, Tex)	1.4 NE; RR S	2800	41 S6	73, 80, 91 oct. P-line ENE, SE
SOUTH PLAINS AAF Tower (Tex)	272		CA	(4) (8-17 Mon-Fri)
(A) [South Plains AAF] (Lubbock)	5.5 NNE; hwy W	3256	65h L5 S6	73, 100 oct. (Tex)
Spur (Tex)	2.2 S; RR N	2363	28 S4	80, 91 oct.
Stamford (Tex)	2.5 N; hwy E			ABANDONED. Port rnwy lgts
Starns (Alpine, Tex)	2.1 NW; RR E	4481	42 L S6	80, 91 oct. prior req.
Stephenville (Tex)	1.5 E; hwy S	1310	30 L S6	80 oct. Port rnwy lgts
Taylor (Albany, Tex)	1 N; RR SW	1429	28 S2	80 oct.
Triangle (Brownfield, Tex)	1.8 SSW; RR NW	3200	20 S2	73 oct.
U & S Fly. Svc. (Big Spring, Tex)	See Hamilton under "New Facilities" - name changed.			
Victory (Vernon, Tex)	5.9 SSW; hwy E	1230	20h S2	No fuel
Weaver (Eastland, Tex)	1 NE; RR S	1576	31 S6	80 oct.
* West Brook Int, 32, EO-FV (Tex)	1.3 S; RR N	2188	34 L3	P-line N, S
White (Brady, Tex)	10 W; RR N	1550	73	CLOSED.
WICHITA FALLS Range (Tex) (Sheppard/Kell Mun.)	239(WF)(116.1)	305°, 1.7	SBMRAZ-DTV	(4); 116.1, 122.1
Win (Ft. Stockton, Tex)	3.2 E; hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260(WP)(116.1)	353°, 1.2	SBRAZ-DTV	(4); 116.1, 122.1
Wink (Tex)	3.6 WNW; rd SE	2824	70h L5 S6	80, 91 oct.
Winters (Tex)	2 NW; RR E	1860	29 S1	73 oct.
NEW FACILITIES				
GUTHRIE Range (Tex)	108.3 (UH)		VARW	
Colorado City (Tex)	1.5 S; riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook, Tex)	14.8 S; ranch 4 E	2127	26	
Paudler (Crosbyton, Tex)	1.5 E; RR W	3108	16 S2	80 oct. P-line N, NE, NW
Tahoka (Tex)	1.3 SSW; hwy E	3090	41 L S6	80 oct. P-line NE, W, NW
Winston (Littlefield, Tex)	7.5 ENE	3550	43	P-line W. Strip lgts prior req.
Westodessa (Odessa, Tex.)	1.5 WSW; RR S	2880	33 S2	80, 91 oct. P-lines NNW, SSE
Decker Ranch (Candelaria, Tex)	11 NNE; cliff 2 E	3650	29	PRIVATE
Graham (Tex)	2 ENE; hwy, RR N	1060	40 S3	80 oct. P-line NW, W, N. Trees
Hamilton (Big Spring, Tex)	1.5 N; hwy 1 S	2517	40 S6	80 oct. P-line N, NNE. Ctc. SW
Hines (Red Bluff Lake, Tex)	5.5 NNW; RR W	2850	24 S1	80 oct. Data unver
Stanton (Tex)	2 N; hwy 0.5 W	2664	22 S2	80 oct. P-lines N, E, ESE, NW
Snyder (Tex)	1.3 S	2270	21 S2	80 oct. P-lines NW, W, SE. E bkd.


ALBUQUERQUE 75 OKLAHOMA CITY 77
TO CLAREMDON
TO WASHINGTON
PORTALES
DORA
FLOYDADA
BUZZ
VERNON
VICTORY
ELECTRA
GILCHRIST
SHEPPARD (KELL)
WICHITA FALLS
239
1161 MC
HOLMAN
SEYMOUR
ALBUQUERQUE
EL PASO
FLYING "M" RANCH
LEVELLAND
IDALOU
PAUDLER
SOUTH PLAINS AAF
272 KC
FOR GUTHRIE
VHF RANGE
SEE CHART 146
SPUR
KNOX CITY
OLNEY
LUBBOCK
224
LUBBOCK AAF
COMMERCIAL
BROWNFIELD
TRIANGLE
POST
HOBBS AAF
293
LOVINGTON
DENVER CITY
LAMESA
ROTAN
ANSON
HARPERSVILLE
284
116.1 MC
GRAHAM
BRECKENRIDGE
FORT WORTH
PHANTOM HILL
TAYLOR
ABILENE
379
1161 MC
BIG SPRING
326
1161 MC
SNYDER
COLORADO CITY
SEMINOLE
HOGG
HOBBS MUN.
HOBBS AAF
272 KC 126.18 MC
LIONS CLUB
AVENGER
WESTBROOK
MIDLAND NO 2
STANTON
HAMILTON
WEAVER
CISCO
BAIRD
HARPERSVILLE
DALLAS
GORDON
RANGER
GORMAN
STEPHENVILLE
LOYD HINES
WINK
260
116.1 MC
CONTINENTAL
MIDLAND
SKYHAVEN
MIDLAND COM.
ABILENE AAF
ABILENE AIR TERM.
278 KC 118.7 MC
SPADE RANCH
WINGATE
WINTERS
COMANCHE
COLEMAN
BROWNWOOD
KERMIT
SALT FLAT
W. ODESSA
ECTOR CO.
MIDLAND AAF
BIG SPRING
278 KC 118.5
126.18 MC
GOODFELLOW AAF
BRUCE
NO. CONCHO
SKY HARBOR
MILLER
GOLDTHWAITE
FORT WORTH
SAN ANTONIO
MIDLAND
209
WINK
ANDERSON
PECOS AAF
MONAHANS
CRANE CO.
RITA SANTA
EL PASO
SAN ANTONIO
GOODFELLOW AAF
227
PYOTE AAF
272 KC 126.18 MC
RANKIN
BIG LAKE
WHITE
CURTIS
LAMPASAS CO.
McCAMEY
SAN ANGELO-MATHIS
272 KC
IRAAN
IRAAN MUN.
ELDORADO
C-B RANCH
MASON CO.
LLANO CO.
BURNET
GIBBS
WIN
KINSER RANCH
OZONA
JUNCTION
VHF RANGE
STARNS
MARFA AAF
FOR V.H.F. RANGES SEE CHARTS 144 TO 146
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 12°E TO 10°E
STATUTE MILES
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
NON-COMPULSORY REPORTING POINT
EL PASO 105
FORT WORTH 109 SAN ANTONIO 125
BIG SPRING 121 SAN ANTONIO 125
ABILENE 107

FORT WORTH

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Bowie (Tex)	2.8 NW;bet RRs	1050	19	Cattle on fld.Trees N.
Brown (Bonham, Tex)	8 N;hwy W			ABANDONED
Byrn's Sky Ranch (Hillsboro, Tex)	5.8 NE	820	25 S6	80 oct.Data unver Trees
Carthage Air Svc.(Tex)	1.3 W;hwy N,S	310	30 S2	80,91 oct.P-line N. E,W.
Clarksville (Tex)	2.8 NNW;RR SW	480	20 S6	73,80 oct.
Cleburne Northwest (Tex)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
Commerce (Tex)	3.4 NNE	548	27 S6	80,91 oct. Hwy SE.
Commercial(Durant,Okla)	5.2 W;RR N			ABANDONED
Corsicana,com. (Tex)	2.8 SW;bet rds			ABANDONED
Corsicana,mun. (Tex)	5.6 SE;RR E	448	20h S6	
(A) Cox AAF (Paris,Tex)(A)	6.5 ESE;RR N	546	46h	CLOSED.
DALLAS Range (Love)(Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Decatur (Tex)	1.5 N;rd SW	1100	26 S2	80 oct.
Denton (Tex)	4 WSW	630	42h S6	80,91 oct.
DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
(P) Eaker (Durant,Okla)	3.2 SSW; RR NW	703	50h L5 S6	80,91 oct.All lgts prior req.
Elder (Kilgore,Tex)	2.5 NE;RR E	352	27 S6	80,87,91 oct.P-line W.
(P) Ellis Co.(Waxahachie,Tex)	3.5 NE;RR S	585	31 S2	73 oct.P-line S.
Ennis (Tex)	1.5 NW;RR E	540	18 S4	Ltd 73 oct. No sto.
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°, 2.4	SBRAZ-DTXV	(3); 116.1, 122.1
Gage (Teague, Tex)	1.7 N		22 S4	80 oct.P-line W.Data unver.
(P) Gainesville (Tex)	3.8 WNW;RR S	833	45h S5	80,91 oct.
Gainesville com (Tex)	3 NNE;hwy W	800	30	CLOSED
(A) Gaskin (Sherman,Tex)(A)	12.6 SW;rd E	745	40h	TMP INACT-NO F..Cc.
GRAUWYLER PARK H Fac.				DECOMMISSIONED
Gray (Denison, Tex)	2.5 E;RR N	675	24 L S6	80 oct.Emerg.lgts by circling fld
(P) Gregg Co.(Longview,Tex)	7.2 S;riv N	365	52h S1	80,91 oct. req.
(P) Hamilton (Tex)	2.3 SSW;hwy E	1250	47 S6	80 oct.Fence sur fld.
Hartlee (Denton,Tex)	5.4 NE	588	40 L S6	80,91 oct.Port lgts prior
HASLET H Fac. (Tex)	371 (T)	1°,8.1	FMHW	(Cont.) Ft. Worth P-line
Henderson (Tex)	2.1 WNW;hwy S	410	19 S2	73 oct.
Holmes (Gilmer, Tex)	4 N;RR W	370	23	P-line W.Cattle on fld.
(P) Idabel (Okla)	1.3 NW;RR E	500	39 S2.	80 oct.P -line NE
Jacksonville (Cypress,Tex)	3 N;RR E	500	26 S6	73,80 oct.P-line ENE.
Jones (Bonham, Tex)	2 NNE;hwy E	616	18 L S1	80,91 oct. Lgts on req.
Legion (Paris, Tex)	1.9 NW;RR E	538	31 S6	80 oct. P-line E.
LOVE Tower (Dallas,Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18 No flood lgts.
(P) [Lowe] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	73-100 oct.Poles S
McKinney (Tex)	2.1 S;hwy W	616	23 S2	80 oct. Poles E,W.
(P) Majors (Greenville, Tex)	5 SSE;RR W	544	55h S4	80, 91 oct.
Marshall (Tex)	3.9 SE;hwy N	400	30 S6	73 oct.P-line N.
MEACHAM Tower (Fort Worth, Tex)	272 (126.18, 118.7)		AC (ILS)	(4);126.18,118.7,122.5
(N)(P) [Meacham](Fort Worth, Tex)	5.5 NNW;hwy NE	692	52h L6 S6	73-100 oct.NATS (Hospital flights)P-line SE, NW.
Mexia (Tex)	1 SE;RR NW	550	24 S2	80 oct.
Mount Pleasant (Tex)	2.8 ENE;RR S			ABANDONED
Muenster (Tex)	2.6 E;RR S	1010	26 S1	80 oct.P-line S.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(P) Nacogdoches (Tex)	4 WSW;hwy E	370	43h S5	80, 91 oct.
(P) Palestine (Tex)	4.5 WNW;hwy N	410	40h L5 S6	80, 91 oct.
* Parker Int,48,JI-FV (Tex)	0.6 N;hwy W	847	31 L3	
(A) Perrin (Sherman,Tex)(A)	6.4 NNW;RR N	753	51h	TMP INACT.NO FACS.
(P) [Pounds] (Tyler, Tex)	5.5 W;hwy N	543	51h L5 S4	80,91 oct.Ctc lgts prior req. No sto.
(P) Rusk Co.(Henderson,Tex)	2.5 WSW;hwy N	440	30h	
Rodeo City(Jacksb'o,Tex)	4.5 N;arena W	1080	23 S2	80 oct.P-line SE.Trees SSE
St Jo (Texas)	1 N;lake 1 E	952	37	P-line NNE
Seventy-Five (Corsicana, Tex)	1.8 N;RR W	480	21 L S6	73 oct.No sto.Port rnwy lgts. Poles NW.
Sherman (Tex)	1.4 SE;hwy N	749	25h S6	80 oct.
* Simms Int,14,DL-LV (Tex)	1 NE;hwy E	357	26 L3	P-line E,S.
South Sulphur (Greenville)	9.5 NNE	550	30	(Tex)
Southworth(Ft.Worth,Tex)	4.2 S;crk W	650	25 S4	80,91 oct.
Stephenville (Tex)	1.5 E;hwy S	1310	30 L S6	80 oct.Port rnwy lgts.
Stewart (Tyler, Tex)	2.5 E;hwy N	520	32 L S6	80,91 oct.Poles W.Ctc lgts prior req.Rnwy data unver.
SULPHUR SPRINGS H Fac.	224 (ZO)		MHW	Operates cont.
Sulphur Springs, 7B, DL-LV (Tex)	1.9 NW;RR S	472	35 L3 S1	80 oct.P-line S,SE.
TYLER Range (Tex)(Pounds)	320(TQ)(116.1)	124°,1.6	BMRLZ-DTV	(4);116.1,122.1
WACO Range (Tex)(Mun.)	335(WC)(vhf)	9°, 2.6	SBRAZ-DTV	(4); 116.1, 122.1
Waco (Tex)	7 NNE;bet RRs	470	63h	
[Waco Mun.] (Tex)	6 NW;lake 2 S	513	57h L5 S6	80,91,100 oct.
(A) Waco #5 (Prairie Hill,Tex)	2 S;hwy N	560	40h	CLOSED (A) NOT MAINT.
Waxahachie (Tex)	1.5 SSW	558	16 S1	73 oct. Hwys E.
Weddington (Hugo,Okla)	1.9 NW;hwy SW	550	24 S6	80 oct. P-line E.
Whaley (Gainesville,Tex)	5.7 WSW;RR N	820	20 S6	80 oct.P-line N.
** Wills Point Int,7,FV-AG	5.9 NW	529	28 L3	(Tex)
Wisener (Mineola, Tex)	1.5 NW;hwy S	510	32 S2	73 oct.
Wolfe City (Tex)	2 N		20	No fuel. P-lines N. Data unver.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

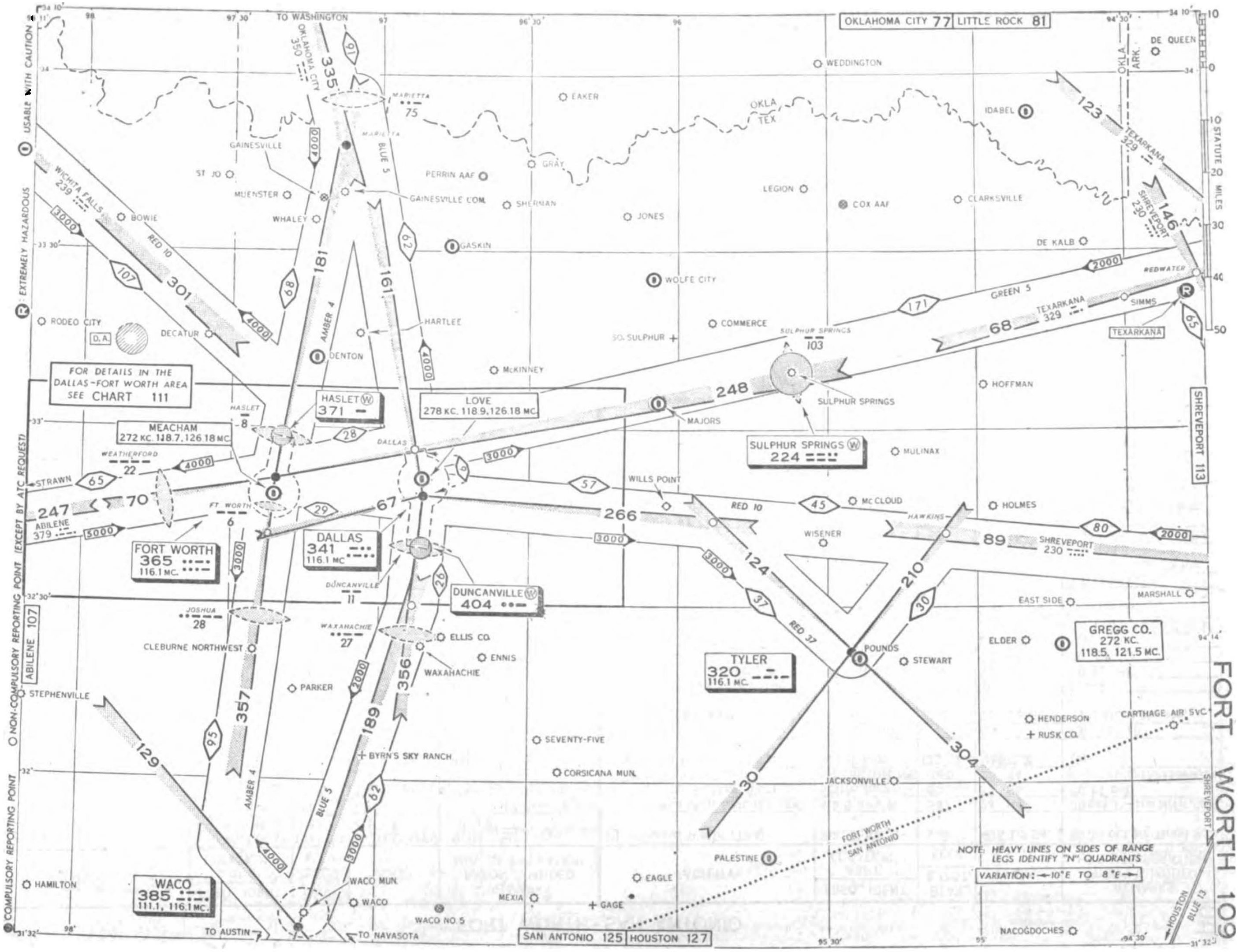
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOVE	110.3	335	126°	IM-	MM- ·–·–· (0.7)	OM- ––(4.35)
					MMK-	OMK-266 ––••
				IM-	MM-·	OM-
MEACHAM	109.9	333.8	173°	IM-	MM- ·–·–· (0.71)	OM- ––(4.10)
					MMK- 356 ···–	OMK-

NEW FACILITIES

East Side (Longview,Tex)	2.4 NE;RR S	352	25 L S6	80,91 oct. Port rnwy lgts. P-line S
Hoffman(Mt.Pleasant,Tex)	2 SSW;RR E	416	32 S4	80oct.P-line N.
Mulinax(Winnsboro,Tex)	1.3 SE	533	26 S1	80oct.P-line NNE.
Irving (Tex)	1.6 NNE;hwy N	420	28 S6	80,91 oct.P-line N,W.
De Queen (Ark)	3 NW;rd E,S	400	24 S1	80 oct.Appchs blkd
Pulley(Arlington,Tex)	0.6 N	616	28 S4	80 oct.P-line NW Trees S
Skyview(Ft.Worth,Tex)	9.3 NNW;lk 2.5 W	790	32 S1	80 oct.P-line NW
Eagle(Fairfield,Tex)	1.4 E	461	24 S2	80 oct.P-line S
Marshall's(Dallas,Tex)	7.2 SE	475	28 S6	80 oct.P-line SW,S
GREGG CO. Tower (Tex)	272 (118.5, 121.5)		CI	(4); 122.5,121.5,126.18

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (2) - 2102, 4495, 6210 kcs. (4) - 2102, 4495, 6210, 8117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1. 127.65. 140.85 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —•— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


OKLAHOMA CITY 77 | LITTLE ROCK 81
TO WASHINGTON
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
OKLA
TEX
OKLA
ARK.
DE QUEEN
WEDDINGTON
MARIETTA
75
EAKER
GRAY
IDABEL
123
TEXARKANA
329
SHREVEPORT
230
146
GAINESVILLE
ST JO
MUENSTER
WHALEY
GAINESVILLE COM.
PERRIN AAF
SHERMAN
JONES
LEGION
COX AAF
CLARKSVILLE
DE KALB
WICHITA FALLS
239
BOWIE
RED 10
301
107
3000
4000
335
181
161
68
62
AMBER 4
BLUE 5
GASKIN
WOLFE CITY
REDWATER
GREEN 5
171
2000
RODEO CITY
D.A.
DECATUR
DENTON
HARTLEE
COMMERCE
SO. SULPHUR
SULPHUR SPRINGS
103
TEXARKANA
SIMMS
65
McKINNEY
FOR DETAILS IN THE DALLAS-FORT WORTH AREA SEE CHART 111
HASLET (W)
371
LOVE
278 KC. 118.9, 126.18 MC.
MEACHAM
272 KC. 118.7, 126.18 MC.
HASLET
8
28
DALLAS
248
MAJORS
SULPHUR SPRINGS
HOFFMAN
SULPHUR SPRINGS (W)
224
MULINAX
WEATHERFORD
22
4000
STRAWN
65
70
247
ABILENE
379
5000
FT. WORTH
6
29
67
266
WILLS POINT
57
RED 10
45
MC CLOUD
HAWKINS
HOLMES
FORT WORTH
365
116.1 MC.
DALLAS
341
116.1 MC
DUNCANVILLE
11
26
DUNCANVILLE (W)
404
WISENER
89
SHREVEPORT
230
80
2000
210
124
37
RED 37
30
EAST SIDE
MARSHALL
JOSHUA
28
WAXAHACHIE
27
ELLIS CO.
ENNIS
WAXAHACHIE
CLEBURNE NORTHWEST
ABILENE 107
TYLER
320
116.1 MC.
POUNDS
STEWART
ELDER
GREGG CO.
272 KC.
118.5, 121.5 MC.
STEPHENVILLE
PARKER
357
356
189
95
2000
HENDERSON
RUSK CO.
CARTHAGE AIR SVC.
129
SEVENTY-FIVE
BYRN'S SKY RANCH
CORSICANA MUN.
JACKSONVILLE
304
30
FORT WORTH
SAN ANTONIO
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 10°E TO 8°E
PALESTINE
EAGLE
MEXIA
GAGE
HAMILTON
WACO
385
111.1, 116.1 MC.
WACO MUN.
WACO NO. 5
TO AUSTIN
TO NAVASOTA
SAN ANTONIO 125 | HOUSTON 127
NACOGDOCHES
HOUSTON
BLUE 13
SHREVEPORT 113
STATUTE 20 MILES
FORT WORTH 109

FORT WORTH - SAN ANTONIO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1 (Tex)
Arlington-Midway (Tex)	6.8 NNE;RR S	567	41h L5	Poles S.
(N) Arlington OLF (Tex) (N)	4 SSW;rd W	695	13h	P-line SE,SW.
Bexar Co. (San Antonio,Tex	7.1 SSW;rd W	640	37h L S6	80,91oct.Ctc lgts on req.
BROOKS Tower (Tex)	396 (126.18)		CA	(3); 126.18
(A) Brooks (San Antonio,Tex) (A	6.5 SSE;RR W	594	52h L5 S6	73,100 oct.
Caddo Mills (Greenville,Tex	10.7 SW;hwy W	540	40h	
(A) Clear Springs #5 (New Braunfels, Tex) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Clearview (Dallas, Tex)	5.1 SSW;RR N	619	30h S6	80, 91 oct.
Craigg (Sayers, Tex)	1.8 W;hwy N	650	29	Emerg. use.
DALLAS Range (Love) (Tex)	341(DL)(116.1)	356°,2.2	SBMRAZ-DTV	(3); 116.1, 122.1
Davis (San Antonio, Tex)	6.7 N;RR SE	780	17 S1	80 oct.
DUNCANVILLE H Fac.(Tex)	404 (U)	176°,10.5	FMHW	(Cont.) Dallas
Eagle Mtn Lake	1 SSE;RR NE	745	60h	CLOSED (Newark,
Faurie (Gonzales, Tex)	2 NNE	340	22 S4	80 oct.P-line NNE Tex.
Fliers (Dallas, Tex)	6.5 WSW;RR W			ABANDONED
FORT WORTH Range (Meacham) (Tex)	365(FV)(116.1)	177°,2.4	SBRAZ-DTXV	(3); 116.1, 122.1
FORT WORTH AAF Tower	317(126.18)+		CA 45,05	(3); 126.18 (GCA)
(A) Fort Worth AAF (Tex)(A)	6.8 WNW;lk N	636	82h L5 S6	73,91,100 oct. JP-1.
(N) Grand Prairie OLF (N) (Tex)	1 WSW;RR N	529	30h L5 S4	73 oct.No ben.
GRAUWYLER PARK (Tex)				DECOMMISSIONED
Handley (Tex)	0.6 NE;RR S	630	26 S6	73 oct.
HASLET H Fac.(Tex)	371 (T)	1°, 8.1	FMHW	(Cont.) Ft. Worth
HENSLEY Tower (Tex)	396 (126.18)		CA	(4); 126.18
(A,N) Hensley (Dallas,Tex) (A,N)	11 WSW;hwy N	495	52h L5 S4	73,91,100 oct.
Hicks (Ft. Worth, Tex)	12.5 NNW	820	27	Lake W.
Highland Park (Dallas,Tex)	9 N;RR E	622	27h L S6	80,91 oct.P-line E. Ctc lgts N/S rnwy. Data unver.
Hudson (Dallas, Tex)	9.6 NE;RR SE	614	17h S6	80,91 oct.P-line W.
Hurt (San Antonio, Tex)	6.5 WNW	680	40 S6	80,91 oct.P-line NW.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio,Tex) (A)	6.2 WSW;RR SE	675	72h L5 S6	62,73,91 oct.JP-1. FOR.CLEAR.STN.
Kuehler (New Braunfels,Tex)	1.7 SE;riv NW			ABANDONED.
Lake (San Antonio, Tex)	10 S;RR E	700	27 S1	80,91 oct.
Leon Valley (San Antonio)	8.6 WNW;hwy E	710	40 S6	73,80,91 oct. P-line N,W
Lou Foote (Dallas, Tex)	8.8 S;hwy E	665	35 S6	73,80,91 oct.Bldgs NW. N, NE.
LOVE Tower (Dallas, Tex)	278 (126.18, 118.9)		AC (ILS)	(4); 118.9,122.5,126.18
(P) [Love] (Dallas, Tex)	5 NNW;hwy W	483	52h L6 S6	No flood lgts. 73-100 oct. Poles S.
Luling (Tex)	1.1 SE;hwy NE	418	18 S1	80 oct.P-lines sur fld.
Luscombe (Garland, Tex)	2.2 WSW;RR N	610	50 S5	80 oct. No sto.
(A) Martindale #4 (San Antonio, Tex) (A)	7.1 E;RR S	660	30h	P-line NW
MEACHAM Tower (Tex)	272 (126.18, 118.7)		AC (ILS)	(4); 126.18,118.7,122.5
(N,P) [Meacham] (Ft. Worth) Tex)	5.5 NNW;hwy NE	692	52h L6 S6	73,80,91,100 oct.NATS (Hospital Flights) P-line SE,NW.
Midwest (Ft. Worth, Tex)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts. P-line W,S.
(P) Mineral Wells (Tex)	3.2 SE;RR N	938	42h L5 S4.	80,91 oct.No flood lgts
Mission (San Antonio,Tex)	4.5 S;hwy E	567	24 S4	80 oct.P-line NNE,SSE.
Mustang (Dallas, Tex)	6 NNE;hwy NE	604	32 S6	80,91 oct.
Parker Sky Camp	3.4 SSE;RR NW	1050	23 S4	80 oct.(Weatherford,Tex)
RANDOLPH Army Range (San Antonio, Tex)	359 (DRQ)	322°,2.0	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riomedina (Castroville)	4.5 N;riv W	855	45	(Tex)
Russell (Ft. Worth, Tex)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
Saginaw (Tex)	0.5 WNW;RR E	790	26 S6	80, 91 oct.
SAN ANTONIO Range (Kelly)	254(ZN)(116.1)	107°,1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO [San Antonio Mun.-Alamo] (San Antonio, Tex)	278 (118.5) 7.8 N;RR SE	800	C (ILS) 55h L6 S4	(4);118.5,122.5,126.18 80,91 oct.
Schneider (Seguin, Tex)	2.2 WNW;RR N			ABANDONED.
Second Ave.(Dallas,Tex)	7 SE;RR N	530	26 S1	73,80 oct.Use strips. Poles S.
Seguin (Tex)	3.3 WSW;riv E	400	37 S4	80 oct.Trees NNE,SSE.
(A) Seguin #1 (Tex) (A)	3 E;rd N	520	54h	
Skyline (Dallas, Tex)	3.2 SSE;riv E	430	26 S6	80,91 oct.Trees NW.
Sky Ranch (Arlington,Tex)	See Lucas Field under "New Facilities" - name changed			
STINSON Tower (Tex)	209		CI	3105, 6210 (8-21)
Stinson (San Antonio,Tex)	6.2 SSE;hwy W	604	49h S6	80,91 oct.P-line S,WNW
T.C.U. (Ft. Worth, Tex)	6.6 SW;RR S	710	24 S6	80, 91 oct.
Terrell Mun. (Tex)	1.5 SE;RR W	490	30h	80, 91 oct.
Wallace (Terrell, Tex)	2 W;RR S	500	19 S2	80 oct.
Wallace #2 (Kaufman,Tex)	4 W;hwy N			ABANDONED
Weatherford Mun. (Tex)	1 W;hwy N	1147	38 S4	80 oct.
White Rock (Dallas,Tex)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
Yates (San Antonio, Tex)	13.7 N;hwy 0.5 W	968	33	6' fence sur fld.Use fld at own risk.
YOAKUM H Fac. (Tex) (Int.)	236 (YK)	352°,2.8	HW	
Yoakum (Tex)	4 N;hwy W	375	22 S6	80,91 oct.
★ Yoakum Int,7,JR-HU (Tex)	5 NW;hwy S	387	39 L3	
(A) Zuehl #6 (Tex) (A)	0.8 NE	610	30h	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ALAMO	109.9	333.8	30°	IM-	MM-•—•—(0.68)	OM- ——(4.38)
					MMK-	OMK- 230•———
LOVE	110.3	335	126°	IM-	MM-•—•—(0.70)	OM- ——(4.35)
					MMK-	OMK-266 —••
				IM	MM-	OM-
MEACHAM	109.9	333.8	173°	IM-	MM-•—•—(0.71)	OM- ——(4.10)
					MMK- 356 •••—	OMK-

NEW FACILITIES

Lucas(Arlington,Tex)	3 SW	590	19 S2	80 oct.P-line N,S,NW

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time).

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) ◆— New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

(SEE CHART 109)

DALLAS - FORT WORTH AREA

WICHITA FALLS
TO MANIETTA
TO MANIETTA
CADDO MILLS
EAGLE MTN LAKE
FORT WORTH 365 116 1 MC
HASLET (W) 371
DALLAS 341 116 1 MC
LUCAS
SAGINAW
SKYVIEW
LOVE 278 RC 118 9 126 18 MC
LUSCOMBE
MILLSAP PARK
HUDSON
MUSTANG
GREEN S
REDWATER
STRAWN
MINERAL WELLS
WEATHERFORD
PARKER
MEACHAM 272 RC 118 7, 126 18 MC
ARLINGTON
IRVING
WHITE ROCK
WALLACE
TERRELL
RED 10
HAWKINS
MANDLEY
GRAND PRAIRIE OLF
SKYLINE
MARSHALL S
CLEARVIEW
DUNCANVILLE
FORT WORTH AAF 317 RC 126 18 MC
SOUTHWORTH
MIDWEST
LUCAS
RUSSELL
ARLINGTON OLF
HENSLEY 396 RC 126 18 MC
LOU FOOTE
DUNCANVILLE (W) 404
TO WACO
TO WAXAHACHIE

(SEE CHART 125)

SAN ANTONIO AREA

STATUTE MILES
BIG SPRING
CIBOLO CREEK
ALAMO 344 116 1 MC
AUSTIN 261
FAUST
CLEAR SPRINGS NO 5
LULING
SAN ANTONIO (ALAMO) 278 RC 118 5 MC
YATES
RANDOLPH AAF 272 RC 126 18 MC
SEGUIN
SEGUIN NO 1
FAURIE
BLUE 30
LEON VALLEY
DAVIS
ZUEHL NO 6
HURT
RANDOLPH AAF 359
MARTINDALE NO 4
RIOMEDINA
SAN ANTONIO 254 116 1 MC
CRAIGG
MISSION
BROOKS AAF 328 RC 126 18 MC
YOAKUM INT
YOAKUM
YOAKUM (W) 216
KELLY AAF 219 RC 126 18 MC
BEXAR CO
STINSON 209 RC
LAKE
LAREDO
TO PLEASANTON

CHART 111

● COMPULSORY REPORTING POINT ○ NON COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST) (R) EXTREMELY HAZARDOUS (D) USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY IN QUADRANTS

SHREVEPORT

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
✱ Arcadia Int,26,FV-AG	4.5 E;RR,hwy S	342	29 L3	P-line SW. (La)
Arkadelphia,24,DL-LV	1.5 ENE; RR NW	186	40 L3 S6	80 oct. (Ark)
Ashley Co.(Crossett,Ark)	5.5 NE;RR E	160	22 S2	80 oct.P-line S.Trees N.W
Atlanta Mun. (Tex)	2 WSW;hwy NW	264	37	P-line ESE,SSE.
Baker (Magnolia,Ark)	4.3 E;hwy S	300	18 S6	91,80 oct.P-line SW.
BARKSDALE Army Range (Shreveport) (La)	379 (DBY)	325°,4.4	SBMRAZ	(3)
BARKSDALE Tower (La)	396 (126.18)+		CA (ILS) (GCA)	(3); 126.18
(A) Barksdale (Shreveport, La) (A)	5.8 E;riv W	167	100h L5 S4	73,91,100 oct. JP-1
Bastrop (La)	2.8 WSW;riv W	77	18 S1	80 oct.
Burnside & McDonald (Newellton, La)	1.5 SW;RR E	77	40	
Childress (Flora,Miss)	1.5 NNW;RR E	186	25 S1	73 oct.Trees,bldg N.
Cleveland (Miss)	2 NW;hwy S	140	26 S6	80 oct.P-line S,W.
Cole (Heads, Miss)	3 NE;RR W			ABANDONED.
Cypress(Greenv'l,Miss)	2.4 SSW;hwy W	125	28 S4	80 oct. NNE blkd.
David G. Joyce(Winnfield)	See Joyce under "New Facilities" - name changed.			
Delhi Flying Svc. (La)	0.5 N	95	23 S4	80 oct.P-line E.Data unver
(P) De Soto Parish	4.3 NW;	322	51h S2	80,91 oct.(Mansfld,La)
Dixie Dusting (Greenv'l)	2 SE;RR,hwy N	118	16 S4	73 oct.No sto.(Miss)
Dossett(Beulah,Miss)	0.5 SE	160	21 S2	80oct.P-line S,SW.E,W
El Dorado (Ark)	1.5 S;rds W,E	277	24 S6	80 91 oct.P-line E. blkd.
(P) El Dorado-Goodwin (Ark)	8.6 W;hwy S	278	51h L5	No bound.flood,obst lgts.
Everett (Moorhead, Miss)	1 SE;RR N	127	37 S6	73 oct. No sto.
Ferriday (La)	1.5 N;RR,hwy E	55	17	
Gardner (Gilbert, La)	1 E;hwy S	75	16	PRIVATE
Grayson (Camden,Ark)	3.4 SW; hwy N	135	26 S6	80,91 oct P-line NE;trees SSW,NNE
Greenville,mun. (Miss)	3.5 ESE;hwy N	118	40h S4	80 oct.
(A) Greenville AAF (Miss)(A)	6.5 NE;rd W	129	40h	CLOSED
Hart (Many, La)	1.8 SSW;RR E	242	24	Trees SSW.
Hinds Co.(Jackson,Miss)	12.8 W;RR 1.3 SE	244	40h	Pwrline N.
Hodge (La)	0.5 ENE;hwy W	300	24	Trees sur fld.
Hope (Ark)	6 NW; RR E	359	55h L5 S6	80,91 oct.Use rnwys only
Jones(Merigold,Miss)	0.8 N;hwy,RR W	142	13 S1	80 oct.
Joseph H.Sharpe	See Sharpe under "New Facilities" - name changed.			
Lakeview (Leland,Miss)	1.5 SE ;lake E	120	16 S4	80oct.N,E blocked
L.B.Strange (Tutwiler)	See Strange under "New Facilities" -name changed.			
Leland (Elizabeth,Miss)	1.5 NE ;riv N	119	20 S2	80 oct.Pwrline NW.
LeTourneau(Yokena,Miss)	2.5 NW;riv NW	80	30 L S1	91oct.Bndry lgts pri.req.
Longview(Warrenton,Miss)	0.3 SE;RR W	110	20 S4	80 oct.E blkd P-line W
Lucien (Shreveport, La)	8 S;RR E	170	32 S6	80,91 oct.
Magnolia (Ark)	1.6 WSW;RR E	225	30	10' bldg SSW.
McGehee (Ark)	0.6 NNW;hwy E	145	30 S1	80 oct. Hwy E.
Minden (La)	1.5 W;RR S	200	26 S4	80 oct. Trees sur fld.
MONROE Range(Selman)(La)	359(UO)(116.1)	25°,2.8	SBMRLZ-DTV	(4);116.1,122.1
Monroe Arpk (La) (old)	2.5 N;riv W	77	20 S1	80 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	
(P) Natchitoches (La)	1.5 SSW;RR E	115	41h L5 S6	80 oct.; ltd 90 oct. Ctc lgts prior req. No bcn.
Ruston (La)	1.2 SE;RR N	317	16h L S6	80,91 oct.Lgts prior req.
(P) Selman (Monroe, La)	3 E;RR N	79	50h L5 S6	80, 91 oct.
SHREVEPORT Range (La)	230(ZH)(116,1)	146°,1.8	SBRAZ-DTV	(3);116.1,122.1
SHREVEPORT Tower (La)	278 (126.18, 118.7)		AC	(4); 126.18,122.5,118.7
(P) Shreveport (La)	2.5 N;riv E,S,N	179	45h L5 S6	80,91,100 oct.
Shreveport Arpk (La)	4.5 SSW;bet RRs	200	47 S6	80,91 oct.P-line SE.
Skinner (Glen Allan,Miss)	4 N;lake W	110	18 S1	73 oct.
✱ Tallulah Int,36,FV-AG	2.4 ENE;hwy E	84	28 L3	(La)
TEXARKANA Range (Ark)	329(TR)(116.1)	123°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
Texarkana (Ark)	4 NE;RR W	389	40h L5 S6	80,91,100 oct.;100 oct.
Texarkana (Tex)	6 W;RR N	340	25 L S6	80,91 oct.Flare Army pots in emerg.
Ulmer (Brookhaven, Miss)	1.5 NNE;RR W	500	24 S4	80 oct.
VICKSBURG H Fac.(Miss)	382(VS)(116.1)		MHTV	(4); 116.1,122.1
Vicksburg (Miss)	6.8 NE;hwy W	287	40 S4	80, 91 oct.Obst sur fld.
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct.
Woodside (Grace,Miss)	1.4 NW	106	24 S1	80 oct Tree SE;bldg NW
Yazoo Mun. (Miss)	2 N;RR E	110	18 S4	80 oct.No sto.
Watts (Round Lake,Miss)	3 N; hwy W	145	26 S2	Priv.80,91 oct.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BARKSDALE(A)	109.9	333.8	143°	IM- (0.01)	MM-•••••(1.00)	OM- — —(4.00)
					MMK-	OMK-
BARKSDALE (A)	110.3	335	323°	IM- (0.05)	MM-•••••(1.00)	OM- — —(4.40)
					MMK-	OMK-

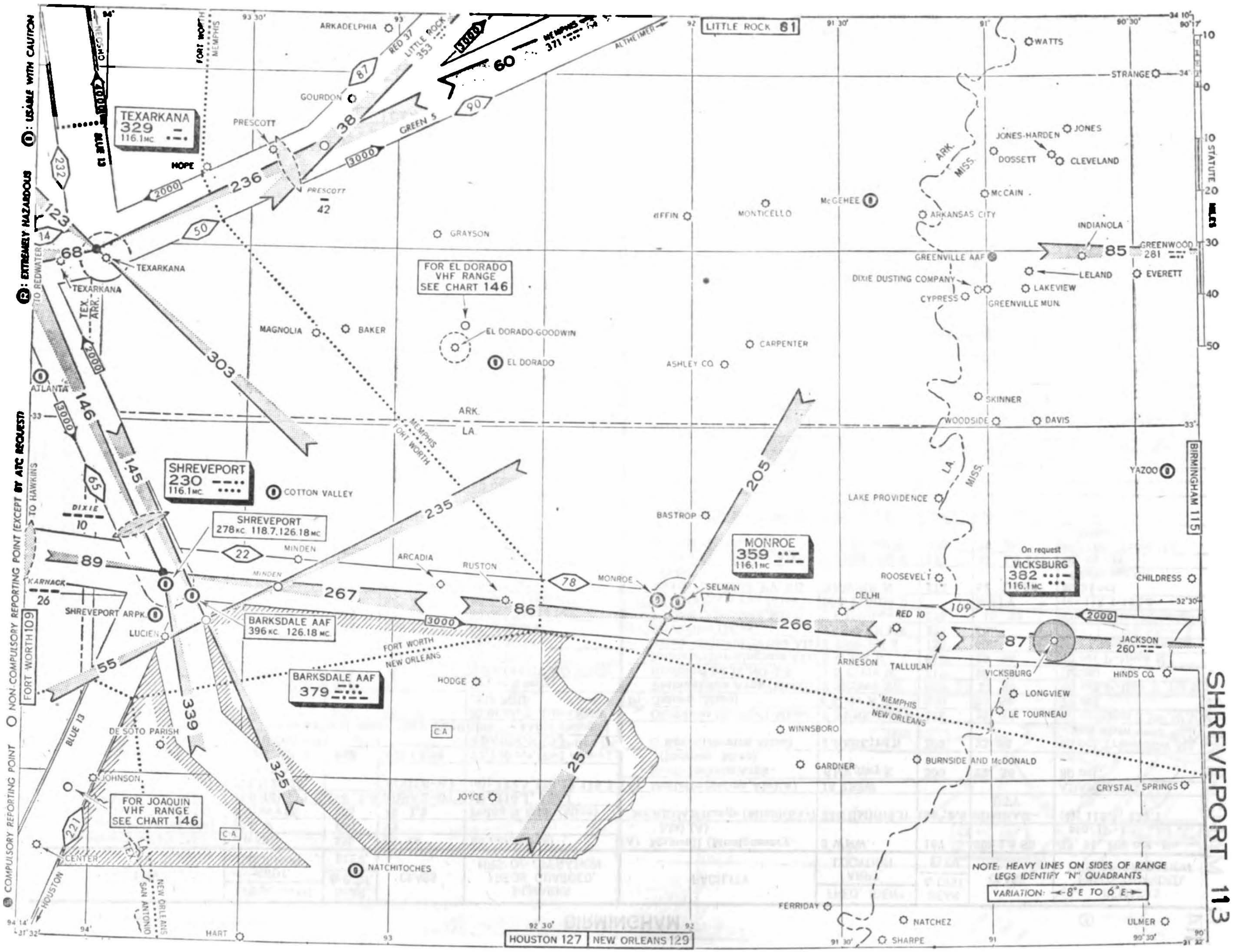
NEW FACILITIES

EL DORADO Range(Ark)	109.1 (LD)		VARW	
JOAQUIN Range (Tex)	(108.7)(WE)		VARW	
Indianola (Miss)	3 NW	125	45h S6	80,91 oct.
Collier (Drew, Miss)	0.6 NE;RR W			ABANDONED
McCain(Benoit,Miss)	0.8 NNE;hwy E	140	16 S1	80 oct.S blkd.Ctn-parked acft.
Davis (Nitta Yuma,Miss)	0.5 SSE;RR W	115	19 S1	80 oct.P-line W.Rough.
Crystal Spgs.(Miss)	0.7 SE	470	21	P-line NE;N,S,NW blkd.
Gourdon (Ark.)	0.2 NW	250	22 S2	80 oct.NW blkd.Trees NE
Carpenter (Hamburg,Ark.)	0.7 NW;RR SE	150	21 S2	80 oct.Trees W.P-line
Griffin (Warren,Ark.)	2,3 ESE;riv E,S	200	28 S2	73 oct.Cattle on fld.W,S,E
Monticello (Ark.)	2.2 E;hwy S	230	27 L S6	80 oct.N,E,S,W blkd.
Prescott (Ark)	3 SW;RR E	280	21 S1	80,91 oct. Port lgts.
Roosevelt (Sondheimer,	2.1 NNW;RR E	85	13 S1	80 oct. (La)
Center, Tex	1.2 ESE;hwy N	345	20	P-line NNW.
Jones-Harden (Cleveland,	4 NW ;hwy 1,2 S	140	21 S5	80 oct.S blkd.Soft when wet.
Monroe Arpk(La)(new)	1.5 N;RR N	77	26 S6	80 oct.Trees SSE. (Miss)
Aineson(Quebec,La)	1 NNW;RR S	100	18	Private N blkd.
Johnson(Logansport,La)	0.5 ENE;RR W	192	15 S2	80 oct.Trees N ends
Arkansas City (Ark)	0.8 WSW	125	19 S1	80,91oct P-lines block both
Joyce (Winfield,La)	3 NW;hwy E	130	30 S2	80 oct. Data unver.
Strange (Tutwiler,Miss)	0.7 SSE;hwy W	160	22 S6	80 oct,N blkd. wet.
Sharpe (Natchez,Miss)	1.8 ESE;RR S	135	26 S4	80 oct,N,W blkd.Soft when

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

SHREVEPORT 113



BIRMINGHAM

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
→Augustine (Madison Sta.)	1.6 SSE	335	40 S4	80 oct.(Miss)
Autaugaville (Selma,Ala)	20.5 W	100	73	
* Batesville Int,29,NO-LS	3 W;hwy SE	205	25 L3	Poles N,lgtd. (Miss)
BIRMINGHAM Range (Ala)	224(BH)(116.1)	178°,3.0	SBRAZ-DTV	(3); 116.1, 122.1
BIRMINGHAM Tower (Ala)	278 (126.18, 118.3)		AC(ILS-W)	(4); 122.5,126.18,118.3
(A) [Birmingham, Ala]	5.5 NE;RR S	643	57h L5 S6	73,100 oct.JP-1 Army.
Bonita (Meridian,Miss)	2.5 ENE;hwy N			ABANDONED. Poles NE.
(P) Carroll Cone (Tupelo,Miss)	See Tupelo Airport under "New Facilities" - name changed			
Central Park (Birmingham, Ala)	5.2 NW;RR SE	535	18 S6	80,91 oct.P-lines NNW ,SSE,NNE.
Columbiana (Ala)	1.5 WNW;RR S	514	23	Lgt acft only.
(A) Columbus AAF (Miss)(A)	10 N;RR E	215	45h	TMP INACT.NO FACS.
CRAIG Army Range (Ala)	272 (DPP)	320°,2.5	BMRLZ	(3); 126.18
CRAIG Tower (Ala)	219 (126.18)		CA	(3); 126.18
(A) Craig (Selma,Ala) (A)	4.8 SSE	166	53h L5 S6	91, 100 oct.
Cullman (Ala)	5 SSE;hwy SW	740	17 S4	80 oct.Trees SSE.
Dallas (Selma, Ala)	2.2 SW;riv SSE	161	20 S1	80 oct. Trees NE.
[Dannelly](Montgomery, Ala.)	7.5 SW; hwy N	219	40h L5 S4	80, 91 oct.
(P) Demopolis (Ala)	7.8 WSW	198	50h	River NW.
E. Jackson (Jackson,Miss)	3.1 SSE;hwy N	310	20 S6	80 oct. Obst sur fld.
(A) Elmore (Montgomery,Ala)	10 N;hwy N	203	45	CLOSED (A)
Eupora (Miss)	1 NE;hwy S	325	20 S2	80 oct. Trees all appchs.
Eutaw (Ala)	2 SE; hwy N	160	23 S4	80 oct.P-line W.
Forest,46,FV-AG (Miss)	1 W;RR S	512	28 L3 S1	80 oct.
Foster (Tuscaloosa,Ala)	5.5 S hwy E	236	26 S6	80 oct. P-line,trees E.
(A) Furniss (Selma,Ala)(A)	10 SSW			ABANDONED
* Gainesville Int, 55, FV-AG (Ala)	2 S;hwy W	174	31 L3	P-line SW.
Gragg,27,PS-TM (Clanton, Ala)	2.2 NE;crk S	571	26 L3 S6	80oct.Trees E,SE,W.Use ctn.
Greenville,24,NO-AG(Ala)	5.5 WNW	561	26 L3 S3	80 oct.Trees N,S,W.Rough.
GREENWOOD Range (Miss)	281(GD)(116.1)	265°,1.9	BMLZ-DTV	(4);116.1,122.1
Greenwood Mun. (Miss)	2.3 SW;RR E	129	40h L5 S6	80,91 oct.P-line E,SE.
(A) Greenwood AAF (Miss)(A)	5.8 ESE;hwy N	162	50h	CLOSED.
(P) Grenada (Miss)	4 N;RR S	207	51h L S4	80 oct.B-2 lgts on req.
HAWKINS Tower (Miss)	278 (126.18, 118.7)		C(ILS)	(4); 126.18,118.7,122.5
(A,N) [Hawkins](Jackson,Miss)	3 NW ;RR E	343	54h L6 S6	80,91 oct.Tank,stack E.
(A) Henderson (Selma,Ala)(A)	29 SW;riv W			ABANDONED
Houston (Miss)	1.5 SW;hwy N	342	31 S4	80 oct.NE,E,W blkd.
JACKSON Range (Miss) (Hawkins)	260(JA)(116.1)	173°,2.4	SBRAZ-DTV	(3); 116.1, 122.1
(NG) [Key] (Meridian,Miss)	3 SW;RR E	297	51h L5 S6	80,91 oct;100 oct NG.Ctc
Lauderdale Civil (Meridian, Miss.)	9 NNE;hwy E	310	32h	P-line S. lgts prior req. Cattle on fld.
Lee (Canton, Miss)	1.4 WNW;RR E	300	29 S2	Trees sur fld.
Louisville Air Svc.(Miss)	3.9 S;RR W	500	16 S1	80 oct. P-line S.
Masonic (Columbus,Miss)	2.5 NE;hwy S	200	28 S2	80 oct.N,E blkd.P-line W.
MAXWELL Army Range (Ala)	362 (DXW)	85°,2.0	SBRAZ	(4)
→MAXWELL Tower (Ala)	396 (126.18)+		CA ◆ 49.09 (GCA)	(4); 126.18

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(A) Maxwell (Montgomery, Ala) (A)	3 WNW	167	70h L5 S6	73, 91, 100 oct. No sto. JP-1.
MERIDIAN Range (Miss)(Key)	239(UM)(116.1)	154°,2.8	SBMRAZ-DTV	(4); 116.1, 122.1
(A) Mollette (Selma,Ala)(A)	16.2 SSW			ABANDONED
North Jackson Arpk. (Jackson, Miss)	6 NE;hwy E	300	22 S6	80 oct.
O'Keefe (Newton,Miss)	1.5 ESE;rd N	363	23 S4	80 oct.Trees SSW,SE. Soft when wet.
Oktibbeha (Starkv'l,Miss)	7.5 ENE;lake N	326	33 S6	80 oct.Obst S,SW,W,NW
(P) Oxford (Miss)	8 S;riv N,W	300	30 S6	73 oct.
Philadelphia Arpk (Miss)	2 SE;hwy SW	500	24 S6	80 oct.P-line W. No sto.
* Rockport Int,12,NO-LS	1.5 E;riv W	217	28 L3	(Miss)
Roberts (Birmingham,Ala)	3 W;RR N	610	29 S6	80 oct.P-lines N.
Selma-Selfield (Selma,Ala)	4 ENE;RR S	130	40h	
(P) Starkville (Miss)	2.5 SW;RR NW	325	50h	
Stinson (Aberdeen,Miss)	2.8 NW;hwy E	239	40 S2	80 oct.P-line N;trees NW
TUSCALOOSA H Fac.(Ala)	206(TU)(116.1)		MHTV	(4);116.1,122.1
Van de Graaff,59,FV-AG (Ala)	3 NW;RR N	172	52 L4 S6	80,91 oct. Obsts sur fld.
Walker Co. (Jasper,Ala)	2.2 NNE;RR W	527	31 L5 S4	80, 91 oct.
Winona (Miss)	1.0 SSE;RR W	370	28 S6	80,91 oct.Trees N,S. Rough.
* Zeiglerville Int,19,NO-LS (Miss)	3 SW;crk S Hwy E	274	26 L3	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

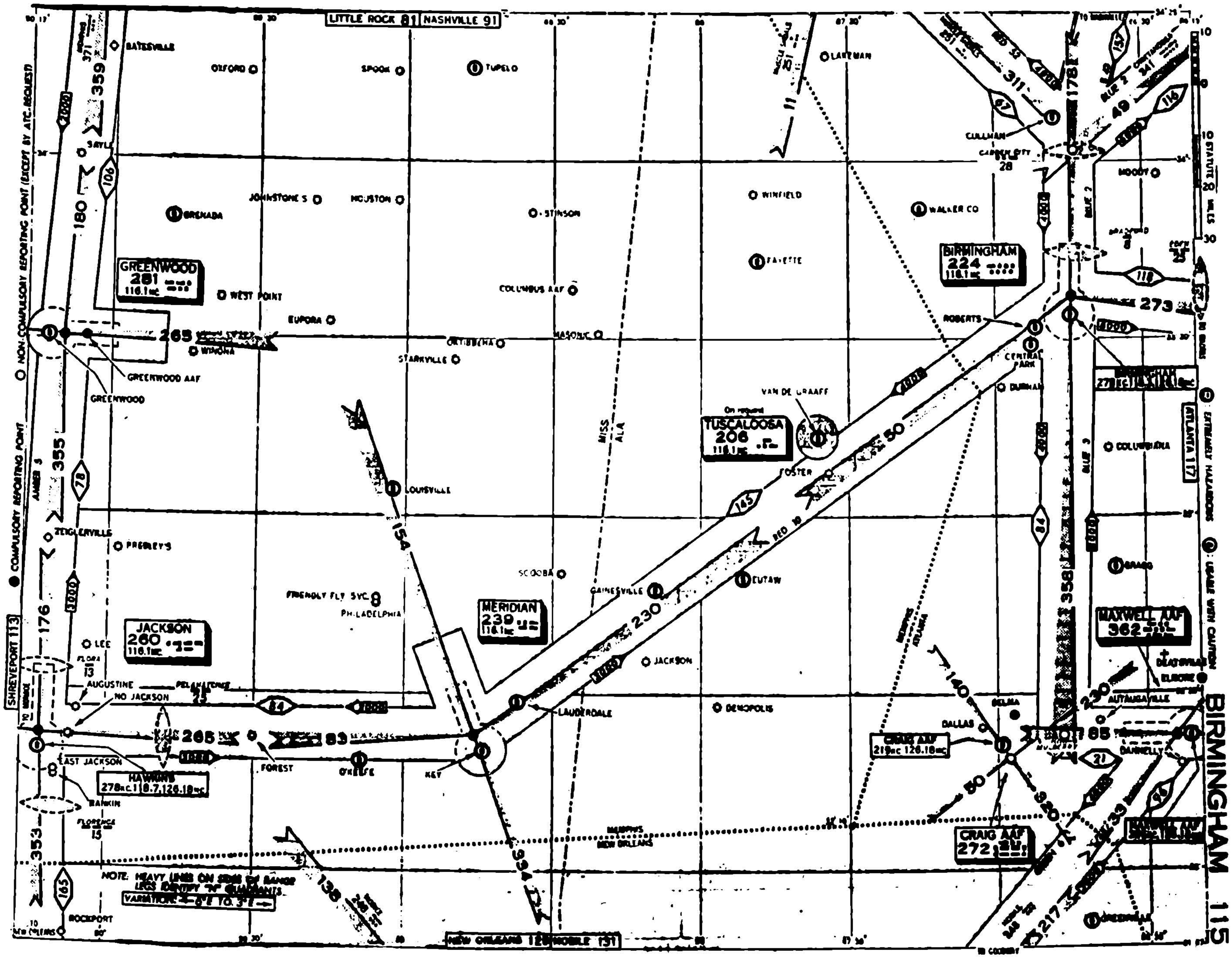
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BIRMINGHAM				IM-	MM-	OM-
					MMK 356 ···· (0.72)	OMK 375 — ··· (5.4)
HAWKINS	109.9	333.8	108°	IM-	MM- •—•—(0.70)	OM- — —(4.43)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Friendly Flying Service (Philadelphia,Miss.)	0.7 SE	500	22 S4	80 oct.
Deatsville (Prattsville,Ala)	9.5 NNW;hwy W	524	40	Emerg only. S,SE blkd.
Durham (Bessemer,Ala)	2.5 SW,RR SE	500	23 L S6	80 oct.Rng lgts prior req.
West Point (Miss)	1 NE;RR W	250	19	Landing area rough.
Rankin (Jackson,Miss)	4 SSE;hwy W	250	30 S6	80 oct.
Presley's (Pickens,Miss)	1 NNE;RR E	230	23 S6	80 oct.Poles sur fld.
Fayette (Ala)	2.1 NNE;hwy W	359	18 S1	80 oct.P-line NW.
Jackson(Livingston,Ala)	1 N;hwy E	170	18 S4	80 oct.
Scooba (Miss)	0.5 NE;RR W	250	19 S4	80 oct.P-line SE Soft when wet
Sayle(Charleston,Miss)	3.3 W;crk S	160	20 S2	80 oct. Bldg S
Winfield (Ala)	0.5 SSE;hwys NNE	460	24 L S4	80,91 oct.Trees sur fld
(P) Tupelo (Miss)	3 W;hwy S	338	32 S6	80 oct.No acft repairs
Johnstones Arpk (Calhoun City,Miss.)	1.8 N;hwy W	210	16 S2	80 oct.Rough.Soft when wet.
Lakeman (Haleyville,Ala)	5 NE	810	18 S4	80 oct.SW hills,trees.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) →← New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


LITTLE ROCK 81
NASHVILLE 91
BATESVILLE
OXFORD
SPOOK
TUPELO
LAFAYETTE
CULLMAN
CARROLLTOWN
MOODY
GRENADA
JOHNSTONE S
HOUSTON
STINSON
WINFIELD
WALKER CO
GREENWOOD
281
WEST POINT
COLUMBUS AAF
FAYETTE
BIRMINGHAM
224
EUPORA
WINONA
ROBERTS
CENTRAL PARK
DURHAM
GREENWOOD AAF
GREENWOOD
STARKVILLE
MASONIC
VAN DE GRAAFF
TUSCALOOSA
206
FOSTER
LOUISVILLE
COLUMBIANA
ATLANTA 117
ZEIGLERVILLE
PRESLEY'S
SCOOBA
FRIENDLY FLY SVC
PHILADELPHIA
MERIDIAN
239
EUTAW
GAINESVILLE
JACKSON
260
LEE
AUGUSTINE
NO JACKSON
LAUDERDALE
DEMOPOLIS
MAXWELL AAF
362
DEATSVILLE
ELMORE
AUTAUGAVILLE
DALLAS
SELMA
CRAIG AAF
219
HAWKINS
278
EAST JACKSON
FOREST
O'BRIEE
KEY
RANKIN
FLORENCE
DARNELLY
CRAIG AAF
272
MEMPHIS
NEW ORLEANS
NOTE: HEAVY LINES ON SIDES OF RANGE
LIES IDENTIFY TOP CHARTS
VARIATION
ROCKPORT
NEW ORLEANS 121
MOBILE 131
BIRMINGHAM 115
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
SHREVEPORT 113
AMBER 3
BLUE 2
BLUE 3
RED 10
359
180
355
176
353
265
154
230
140
80
85
20
10 STATUTE MILES
EXTREMELY HAZARDOUS
USABLE WITH CAUTION

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Albertville (Ala)	1 NW;RR NE	1063	28 S6	80 oct.
Allen (Buford, Ga)	1.5 S;hwy SW	1070	15	P-line SW.
Alfenport (Montgomery)	4.3 SSE;RR NE	175	30 S6	80 oct. Trees N. (Ala)
Americus (Ga)	1.5 S;RR W			ABANDONED
Anniston (Ala)	5.5 SSW;hwy E	610	24 S6	80 oct. 100' stack WNW.
(A) Anniston AAF (Ala)(A)	15 WSW;hwy N	527	53h	TMP INACT. NO FACS.
Athens (Ga)	3.5 E;RR N	807	40h L3 S6	80,91 oct. Lgts prior req.
ATLANTA Range (Ga)	266(AG)(vhf)	331°,1.9	SBRAZ-DTXV	(3); 116.1, 122.1
ATLANTA Tower (Ga) [Atlanta] (Ga)	278(118.7,126.18)		AC(ILS)	(4); 126.18,118.7,122.5
	8 S; RR N	1005	48h L6 S6	73-100 oct.
ATLANTA Navy Range (Ga)	323 (NCQ)	86°,3.2	MRLWZ	
ATLANTA NAS Tower (Ga)	356 (142.74)		CN	3105,4495,3117.5;142.7
(N) Atlanta NAS (Ga) (N)	8.5 NNE	1002	39h (L6) S6	100 oct. Hwy SE.
(P) Auburn-Opelika (Auburn)	2.8 E;RR N	774	40h L5 S6	80 oct. (Ala)
Bentley (Calhoun Falls, S.C.)	3 ENE	500	21	RR NNW.
Butler 14, TJ-AG (Ga)	0.5 NW;RR S	667	32 L3	S,SW,NE blkd.
Cedartown (Ga)	1.2 W;hwy SE	800	30 S4	80 oct. SE blkd.
Centre (Ala)	0.6 NNW	720	22 S4	80 oct. Trees SSE.
City-Co. (Carrollton, Ga)	See Carrollton Airport under "New Facilities"-name changed			
Clevenger's Arpk. (Marietta, Ga)	See Lunsford under "New Facilities"- name changed.			
Cobb (Marietta, Ga)	6.4 SSW;rd S	1050	16 S1	Ltd 80 oct. No sto. Trees
(A) Cochran (Macon, Ga)(A)	10 S;RR E	354	50h	TMP INACT. NO FACS. NW.
Cochran 50, MM-AG (Ga)	5 NE;riv E	324	30 L3 S6	80 oct. Trees SSW. (Ga)
Columbus (Ga)	1.5 SSE;riv SW	240	45 S6	80,91 oct.
(P) Cordele (Ga)	1.6 NNE;RR W	305	52h	
Crawford W. Long (Jefferson, Ga)	2.5 S;RR E	950	27 L1 S6	80 oct. P-line ESE. Fld lgts on req.
(N,P) Dublin (Ga)	4.5 WNW;hwy S	303	50h L2 S6	80 oct. NATS (Hospital)
Elberton (Ga)	2 SE;hwy W,N	800	19 S1	80 oct. Obst sur fld blkd.
Felton (Cartersville, Ga)	2.5 N;hwy W	790	24 S4	80 oct. ENE,WSW,NNW
Flying "S" Ranch (Villa Rica, Ga)	1.7 NE	1040	17 S2	80 oct. Rocks NE.
Gadsden (Ala)	See Gulf Steel under "New Facilities"- name changed.			
Gainesville (Ga)	1.5 S;RR E,NW	1277	40h (L6) S6	80,91 oct. Lgts on req.
Griffin-Spaulding (Griffin)	1.5 S;hwy SSE	936	30 L4 S6	80,91 oct. ENE,SSE,WSW
GUNTER Tower (Ala)	201(126.18)		CA	(3) (Oper. on a variable schedule) NNW blkd
(A) Gunter (Montgomery, Ala)	5 NE;hwy N	225	37h L5	(A)
Herbert Smart (Macon, Ga)	4 ESE;hwy W	463	47h L5 S6	80, 91 oct. P-line NE.
Hurtsboro (Ala)	2.5 SE;RR SW	349	23 S1	78 oct.
★ Jackson Int, 57, MM-AG (Ga)	4.6 SW	716	30 L3	
JONESBORO K Fac. (Ga)				DECOMMISSIONED.
Kings (Milledgeville, Ga)	See Milledgeville under "New Facilities"- name changed.			
(P) La Grange (Ga)	See Calloway Arpt under "New Facilities"-name changed			
Lakewood (Atlanta, Ga)	4 S;lake SE	1026	16 S6	80 oct.
LAWSON Army Range (Ga)	379(DVL)	21°,3.3	BMRLZ	(3)
LAWSON Tower (Ga)	278 (126.18)+		CA	(3); 126.18
(A) Lawson (Columbus, Ga)(A)	9.5 S;riv W	232	59h L5 S6	91,100 oct. No sto.
NEW FACILITIES				
(P) Calloway (LaGrange, Ga)	3 SW;RR ESE	700	50h L2 S6	80 oct.
Turner #1 (Albany, Ga)(A)	15 NE			ABANDONED.
Valley (Lanett, Ala)	2 SE;riv N,E	552	26 S6	80 oct.
Gulf Steel (Gadsden, Ala)	1.9 SW;hwy N	540	15h	Fld rough. Obst sur fld.
Goodyear (Gadsden, Ala)	3.5 ESE;hwy N	500	18 S4	80 oct. E blkd.
Sylacauga (Ala)	2.5 SW	571	19 S6	80 oct. Quarry W
Ft. Payne (Ala)	2 SW;RR NW	800	18 S4	80 oct.

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
McRae, 47, MM-AG (Ga)	2 SE;hwy N	247	26 L3 S4	80 oct. W blkd. Rough
MACON Range (Ga) (Herbert Smart)	209(UN)(116.1)	246°,4.8	BMLZ-DTV	(4); 116.1,122.1 SSE blkd.
Madison (Ga)	2 SSW;RR .5 E	720	26 S2	80 oct. P-line NE,NNW,
MARIETTA AAF Twr (Ga)	396 (126.18)		CA	3105,4495;126.18
(A) Marietta AAF (A) (Ga)	2.5 SE	1030	60h L5 S4	100 oct. JP-1.
Montezuma (Ga)	1.5 E;RR S,W	300	35 S1	Ltd 80 oct. P-line S
Morton (Palmetto, Ga)	1.8 NNE;RR SE	1020	24 S4	80 oct. Hi-line SE.
Moton (Tuskegee, Ala)	3 N;RR;hwy W	269	40 S6	80,91 oct. Twr S end.
[Muscogee Co.] (Columbus, Ga)	5.6 NE;RR E	386	40h L5 S6	80,91 oct. Fld lgts on req.
Newnan Arpk (Ga)	3.7 SE;RR W	970	23 L1 S2	80 oct. Hwy W,N
Norman Bridge (Montgomery, Ala)	5.8 S;RR E	172	23 S4	80 oct.
Parkaire (Marietta, Ga)	7.7 E;hwy SW	1100	22 S6	80,91 oct.
Polo Arfld (Athens, Ga)	2 WSW;hwy N	720	12 S4	80 oct. No sto.
Red Dog (Cochran, Ga)	6.2 NW;RR S	300	23 S6	80 oct. Trees N,E.
Reginald Grant Memorial (Thomaston, Ga)	3.7 NNW;hwy E	750	23 S2	80 oct. S,W blkd; p-line N
Ries (Macon, Ga)	4.5 SE;riv E	300	17 S1	80 oct. N,E blkd.
ROBINS Tower (Ga)	284 (126.18)+		CA	(3); 126.18
(A) Robins (Warner-Robins)	1.5 NE Wellst'n	295	70h L5 S6	62,73,100 oct. JP-1.(A)
Roosevelt (Warm Spgs, Ga)	3.5 N;hwy W	870	21 S2	80 oct. WNW blkd.
Rockmart (Ga)	2 ENE;RR W	900	24 S6	80 oct. Trees N.
Rome (Ga)	3 NW;RR S	669	26 S6	80 oct. No sto.
(N) Russell (Rome, Ga)	7 N;hwy N	644	45h L5 S6	80,91 oct. Lgts prior req.
★ Siloam Int, 7B, AG-CS (Ga)	1.3 S;hwy 1 NE	654	39 L3	SE blkd.
Souther (Americus, Ga)	4 NE;RR W	470	53 S6	80 oct, NE blkd, trees E
Talladega (Ala)	2.6 NE;hwy E	590	18 S4	P-line E, hill W. No sto.
★ Tallapoosa Int, 73, FV-AG (Ga)	5.5 SSE	1210	21 L3	
Thomas C. Russell (Alexander City, Ala)	See Russell under "New Facilities"- name changed.			
(A) Troy (Ala)	4.8 NNW;rd E	393	50h	CLOSED.
(A) Tuskegee AAF (Ala)(A)	7.3 NW;RR S	253	50h	CLOSED.
Tuskegee Institute #1 (Ala)	4 SSE;hwy W			ABANDONED.
(A) Vidalia-Lyons (Vidalia, Ga)	3.2 SE;hwy N	274	50h	TMP INACT. NO FACS.
Wages (Lawrenceville, Ga)	1.8 N;hwy E	1075	12 S2	80 oct. E blkd. (A)
Washington (Ga)	See McGill Field under "New Facilities" -name changed			
Weedon (Eufaula, Ala)	4.3 NNE;hwy E	275	35 L5 S6	80 oct. No bcn.
Winder, 4, AG-LG (Ga)	1.5 NE;bet rds	950	30 L3 S6	80,91 oct. NE,SE blkd.
Woodbury (Ga)	1.5 E	770	16	

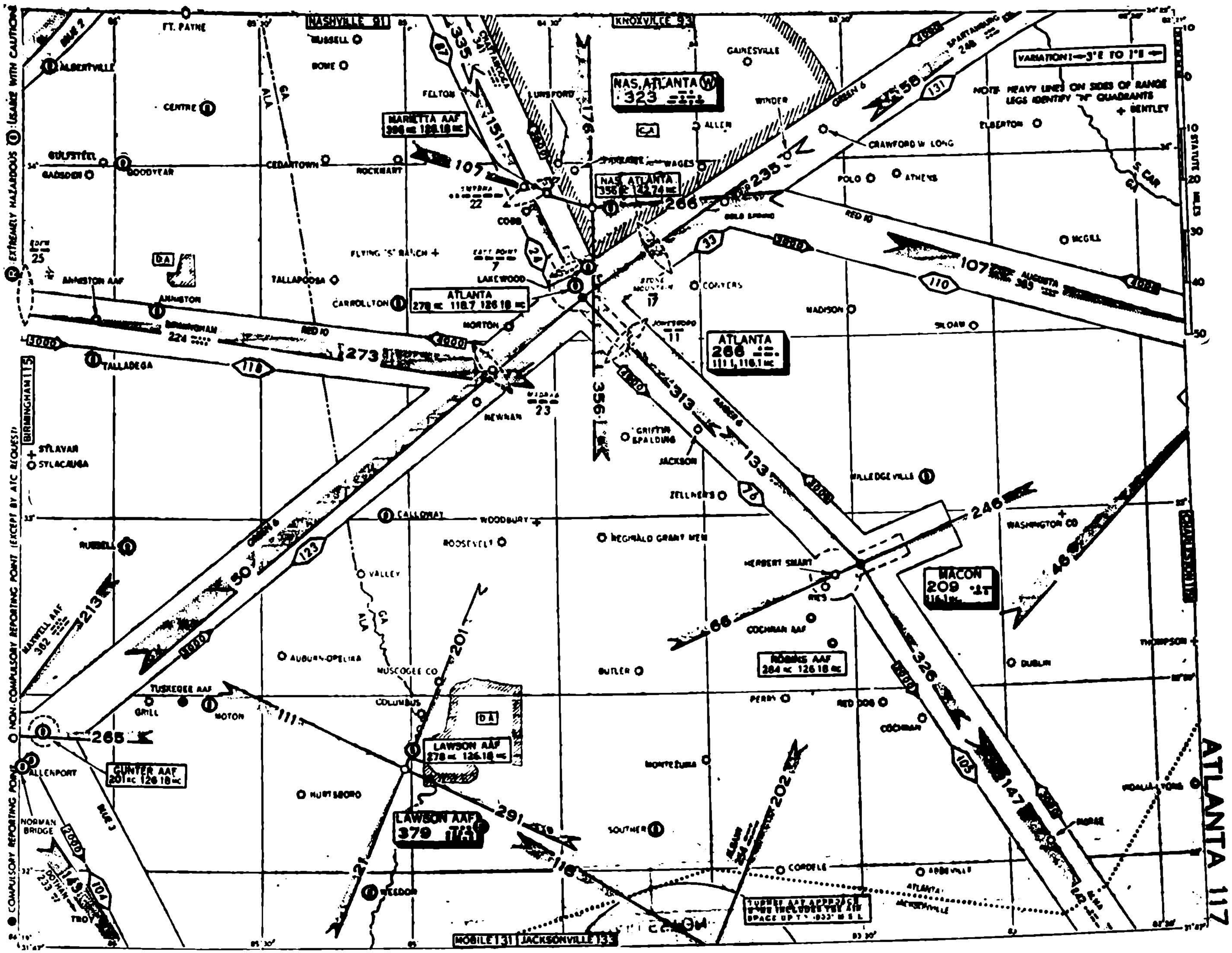
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
ATLANTA	109.9 -.-.-	333.8	329°	IM- MM- .-.-(0.70) OM- --(4.40) MMK-201 .--.. OMK-219 ....

NEW FACILITIES				
Milledgeville, (Ga.)	1.5 NW;RR SW	360	28 S4	80 oct. NW blkd. Pwr line E.
Abbeville (Ga)	0.8 S;hwy E	260	16	P-line V Emerg only.
Griel Aux (Tallassee, Ala)	4 S;riv NE	200	35	P-line W. Trees NE
Perry (Ga)	1.5 NNW;hwy W	340	16 S1	80 oct. Lgt acft only.
Gadsden (Ala)	5 SW	560	48h S6	
Thompson (Swainsboro, Ga)	1 W;hwy E	300	32	
Washington Co. (Sandersville, Ga)	1 E;RR W	460	26 S1	80 oct. Trees NW
Zellner's (Forsyth, Ga)	1.8 NW;RR W	705	18 S1	80 oct. Trees SW,NW.
Camp Sibert (Attalla, Ala.)	See Gadsden under "New Facilities"- name changed.			
Carrollton (Ga)	3.3 NE;hwy SE	1200	18 S1	80 oct.
McGill (Washington, Ga)	1.4 NW;RR SE	600	22 S1	80 oct. Cat'l on fld. Hwy S
Russell (Alexander City, Ala)	1.5 SW	711	32 S6	80 oct.
Sylavan (Sylacauga, Ala)	2 W	560	23 S4	80 oct. Slippery when wet.
Lunsford (Marietta, Fla)	5 NE;RR W	1050	12 S2	Ltd 80 oct.

RADIO: S - Visual Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (S) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 148.56 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) -a- New or revised data. [Issue] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


NASHVILLE 91
KNOXVILLE 93
FT. PAYNE
RUSSELL
BOWE
GAINESVILLE
ALBERTVILLE
CENTRE
FELTON
LUMSFORD
NAS, ATLANTA
323
WINDER
MARIETTA AAF
396 nc 126.18 mc
ALLEN
GULFSTEEL
GADSDEN
GOODYEAR
CEDARTOWN
ROCKMART
WAGES
NAS ATLANTA
358 nc 124.4 mc
POLO
ATHENS
COBB
FLYING "S" RANCH
EAST POINT
7
LAKEWOOD
ANNISTON AAF
ANNISTON
TALLAPOOSA
CARROLLTON
ATLANTA
278 nc 118.7 126.18 mc
CONYERS
MADISON
SLOAN
MORTON
JONESBORO
11
ATLANTA
268
111.1, 116.1 mc
BIRMINGHAM
224
RED IO
TALLADEGA
NEWNAN
23
GRIFFIN
SPALDING
JACKSON
ZELLNERS
WALLEDGEVILLE
CALLOWAY
WOODBURY
ROOSEVELT
REGIONAL GRADY MEM
WASHINGTON CO
RUSSELL
VALLEY
HERBERT SMART
MACON
209
MAXWELL AAF
382
AUBURN-OPELIKA
MUSCOGEE CO
COCHRAN AAF
ROBINS AAF
284 nc 126.18 mc
BUTLER
DUBLIN
TUSKEGEE AAF
GRILL
MOTON
COLUMBUS
PERRY
RED DOG
COCHRAN
LAWSON AAF
278 nc 126.18 mc
GUNTER AAF
201 nc 126.18 mc
ALLENPORT
HURTSBORO
MONTEZUMA
LAWSON AAF
379
SOUTHER
NORMAN BRIDGE
WEEDON
CORDELE
TROY
MOBILE 131
JACKSONVILLE 133
ATLANTA 117
VARIATION 1°W TO 1°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
BENTLEY
ELBERTON
CRAWFORD W. LONG
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
STATUTE MILES
SYLACAUGA
SYLACAUGA
105
151
176
235
266
273
313
356
107
110
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131
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123
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246
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FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
Aiken (old) (S.C.)	2 E;RR NNE	500	19 S4	80 oct. Trees SSW.
(A) Aiken AAF (S.C.) (A)	6 NNE;RR SW	530	51h	CLOSED
AUGUSTA Range (Ga) (Daniel)	385 (VD) (116.1)	46°,2.1	SBRAZ-DTV	(3); 116.1, 122.1
Barnwell (S.C.)	1 WNW;hwy E	235	50h	
(P) Beaufort (S.C.)	4 NW	38	60h S4	80 oct.
Birdsville (Millen, Ga)	9.4 WNW;riv S	200	22	Emerg only.
(P) [Bluethenthal] (Wilmington, N.C.)	2.8 NNE;hwy W	30	70h L5 S6	80,91 oct. No flood
Bush (Augusta, Ga)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville, Ga) (A)	3 NE;hwy SW	46	50h	TMP INACT. NO FACS.
Carlisle (Bamberg, S.C.)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Beach (N.C.)	2.2 NNW;hwy E	32	16 S1	80 oct. (limited)
Carolina Skyways (Charleston, S.C.)	6 SSW;riv W	10	26 S6	80 oct ENE,E,WSW, NW blkd.
CHARLESTON Range (S.C.)	329 (CS) (116.1)	110°,2.0	SBRAZ-DTV	(3); 116.1, 122.1
CHARLESTON Tower (S.C.)	278 (126.18, 118.3)		AC (ILS)	(4); 126.18,118 3,122 5
(N) [Charleston Mun.] (S.C.)	9.8 NW;RR Bounders Fld NE	45	70h L6 S1	80,91,100 oct. Use rnwys only. NATS. (Hospital)
(N) Charleston (S.C.) (N)	4 N;riv E			ABANDONED.
(NG) Chatham AAF (Savannah, Ga) (NG)	7.5 NW;RR S	50	70h L5 S4	100 oct, 1-ech ltd 2-ech maint NG. No bcn.
Clark (Charleston, S.C.)	4 S;harbor NE	6	21 S4	80 oct. Trees sur fld.
COLUMBIA Range (S.C.) (Lexington Co).	227 (CI) (116.1)	268°,7.3	SBRAZ-DTV	(4); 116 1,122 1
(NG) Congaree (Columbia, S.C.)	15.5 ESE;RR S	237	45h	
(A) Coronaco AAF (Greenw'd)	3.8 N;RR E	629	50h	(S.C.) (A) CLOSED. Fld
Conway (S.C.)	2 1 N;RR W	20	24 S1	80oct. Trees, p-line sur
DANIEL Tower (Ga)	278 (126.18, 118.9)		C	(4);126.18.122.5.118.9
[Daniel] (Augusta, Ga)	2.5 W;RR S	424	42h L5 S6	80,91 oct. P-line S
Donald (St. Matthews, S.C.)	2.5 NNE;RR S	280	18 S1	Ltd 80 oct. Trees SE.
Duke (Chadbourn, S.C.)	1 N;RR SW	96	20 S4	80 oct. Trees N,S
* Elloree Int, 25, AG-CS (S.C.)	5.5 SE;RR N	146	40 L3	Steel mast NE.
Estill (S.C.)	2.5 SSW;RR E	135	25	
FLORENCE Range (S.C.)	320 (FL) (116.1)	292°,1.7	SBMRLZ-DTV	(4); 116 1,122 1
(P) Florence (S.C.)	3.5 E;RR SW	146	60h L5 S1	80, 91 oct.
Georgetown (S.C.)	1 NW;riv E	12	29 S6	80, 91 oct.
(P) Georgetown Co. (S.C.)	4 S;bay E	37	50h	
Glennville (Ga)	2 SW;hwys N,E	175	32	No facs for public
Greenwood (S.C.)	2.6 W;RR E	650	24 S6	80,91 oct.
Hartsville (S.C.)	2.1 NNE;hwy S	230	25 S2	80 oct.
Hawthorne (Orangeburg,	5 S;RR E			ABANDONED
Hinesville (Ga) [S.C.]	3 S; RR E,S	55	24 S6	80 oct. No sto. Rdo re-
Huggins (Timmonsv'l, S.C.)	1.5 ENE;hwy NW	149	18 S4	80 oct Pwr line pairs NNW
HUNTER Tower (Ga)	278 (126.18, 118.7)		AC	(4); 122.5,126 18, 118.7
[Hunter] (Savannah, Ga)	3.5 SW;RRyd NW	40	50h L5 S6	80,91,100 oct. Sharp incline 370' NE of NE/SW strip
NEW FACILITIES				
Parks Arpk (Myrtle Beach, S.C.)	2 N		25 S1	80 oct. Army Acft in Vicinity. Data unver

FACILITY	FREQ., IDENT. ARPT LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Jennings (Orangeburg, S.C.)	2.3 S;RR E	190	25 S2	80,91 oct. P-line ENE
(A) John's Isl. (Charleston, S.C.)	7 SSW;rd W	16	50h	CLOSED. (A)
* Lane Int, 24, JX-RW (S.C.)	3 S; RR W	72	34 L3	P-line E, ESE, W
LEXINGTON CO. Twr. (S.C.)	396		C	(4);(8-24) (See Notice to Airmen Section)
(P) [Lexington Co.] (Columbia)	6.5 SW;RR SE	233	56h L5 S1	(S. C.) 80,91 oct.
(P) Lindsey (Swainsboro, Ga)	2.3 S;RR W	300	30	Pole line E. Emerg only.
Manning (Allendale, S.C.)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning (S.C.)	1.5 SE	125	20 S1	Ltd 80 oct. RR NNE
MYRTLE BEACH Army Rng	379 (DMB)	69°,4.4	BMRAZ	(S.C.)
MYRTLE BEACH AAF Tower	272 (126.18)		CA	(3); 126.18 (S.C.)
(A) Myrtle Beach AAF (S.C.) (A)	3 WSW;hwy N	24	50h L5 S6	73,91,100 oct. No sto
(A) North (S.C.) (A)	1.5 SE;hwy N	320	50h	TMP INACT. NO FACS
North Augusta (S.C.)	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive (Wampee, S.C.)	3.3 S;hwy NW	33	60h S1	80,91 oct.
Owens (Columbia, S.C.)	See Columbia under "New Facilities" - name changed.			
Parris Isl. (S.C.)	1.5 S	11	60h	CLOSED
Peiffer (Wilmington, N.C.)	6 ESE;hwy N	10	18 S6	80 oct N,NNE blkd
Ridgeland (S.C.)	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
SAVANNAH Rng (Ga) (Hunter)	263 (SH) (116.1)	51°,2.2	SBMRLZ-DTV	(3); 116.1, 122.1
Savannah-Wilmington (Savannah, Ga)	8 ESE;hwy NW	10	29 S6	80 oct. N,NE blkd. Rough
SHAW Tower (S.C.)	272 (126.18)		CA (GCA)	(3); 126.18
(A) Shaw (Sumter, S.C.) (A)	7 WNW;hwy S	236	45h L5 S6	73,91,100 oct. JP-1.
(P) Statesboro (Ga)	3.8 NE;hwy W	180	53h S4	80 oct.
(P) Sumter (S.C.)	1.5 NW;RR S	169	30 S6	80,91 oct. Data unver.
Sylvania (Ga)	7.5 SSE	160	50h	CLOSED.
Trenton (S.C.)	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston, S.C.)	5.5 W;RRs N	12	29 S6	80 oct. Poles sur fld.
(P) Walterboro (S.C.)	1.3 NE;hwy SE	93	58h S2	80 oct.
W. Savannah (Savannah, Ga)	3 W;RR W,N	42	23 S6	80 oct. P-line NW.
Whiteville (N.C.)	3.7 S;RR N	60	18 S1	Ltd 80 oct.
Wilmington Arpk. (N.C.)	3 SE;hwy N	20	27 S4	80 oct. N & E blocked.
(P) Woodward (Camden, S.C.)	2.9 NE;hwy E	300	30h S4	80,91 oct. Parked acft on fld

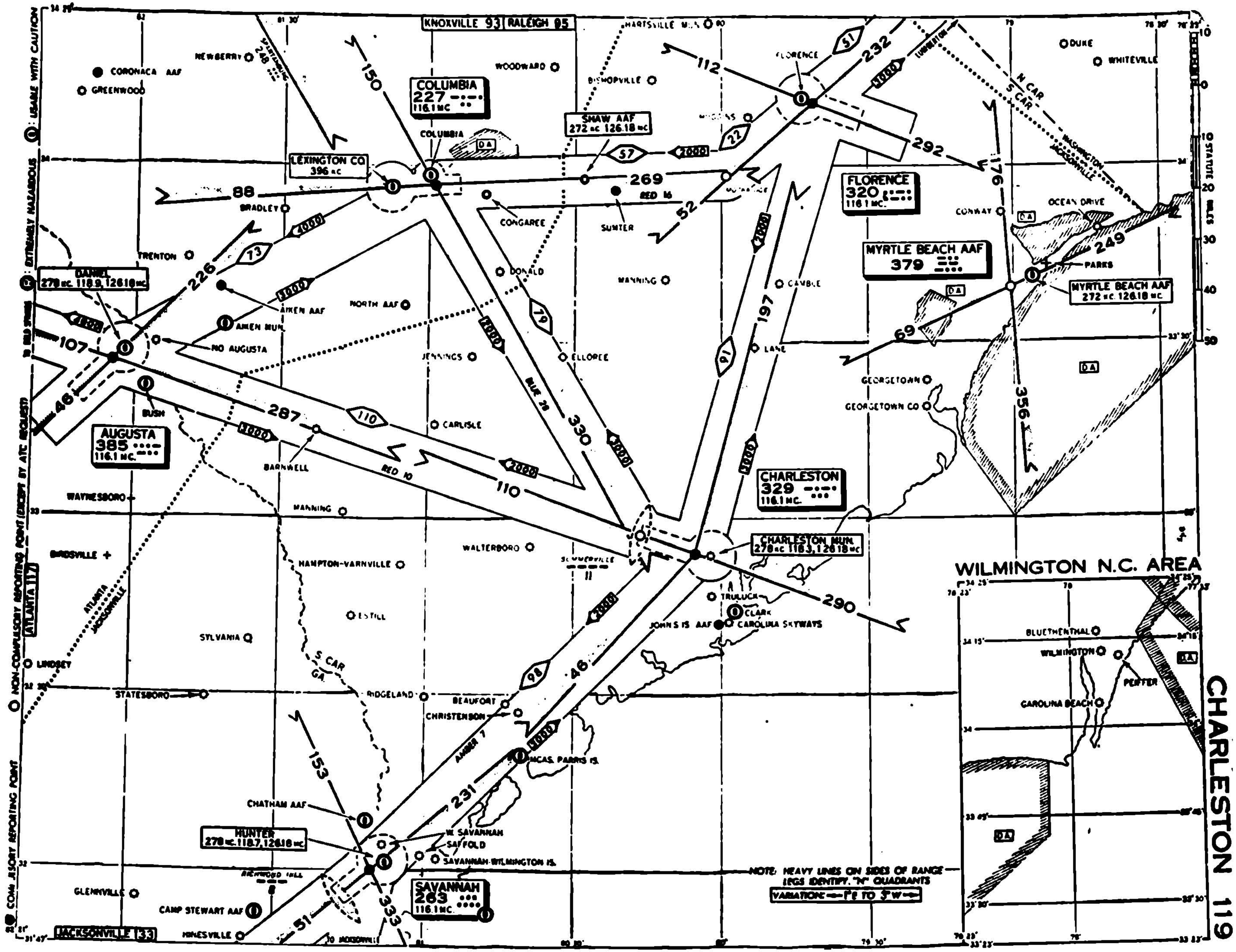
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHARLESTON	110.3	335	147°	IM-	MM- ·—·—(0.64)	OM- ——(4.18)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES				
Hampton-Varnville (Hampton, S.C.)	1.6 E;RR SW	110	28	ESE, SSW, WNW blkd.
→ Bradley (Batesburg, S.C.)	3.2 SE;hwy W	537	22 S2	80 oct. P-line W, trees
Gamble (Kingtree, S.C.)	1 8 E;hwy N	52	21 S2	80 oct. S,W blkd [S,SE.
Saffold (Savannah, Ga)	4.8 ESE;hwy S	10	32 S6	80,91 oct.
Waynesboro (Ga)	3.5 SSE;hwy E	295	36 S4	80 oct. N,E,ENE blkd.
Newberry (S.C.)	2.3 NNW;RR NE	567	22 S6	80 oct. P-line E
Columbia Mun (S.C.)	2.5 SE;RR SW	192	33h L4 S6	80,91 oct. WSW, NNW blkd. P-line SSE.
Bishopville (S.C.) [S.C.]	1.8 NNE;hwys 0.6 SW	220	19 S2	80 oct. NNE, E, SSW blkd by trees
Christenson Fld (Beaufort,	0.8 NNW;riv N	20	26	W, NNW, E, SSE blkd.

RADIO: S - Simul. Range and Voice. W - Without Voice. 2 - VHF Range Station Location Marker (3) - 3105, 4495, 6230 kcs. (4) - 3105, 4495, 6230, 8117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (VHF) - Voice on 116.1 and 111 1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127 65, 149.55 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS. h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

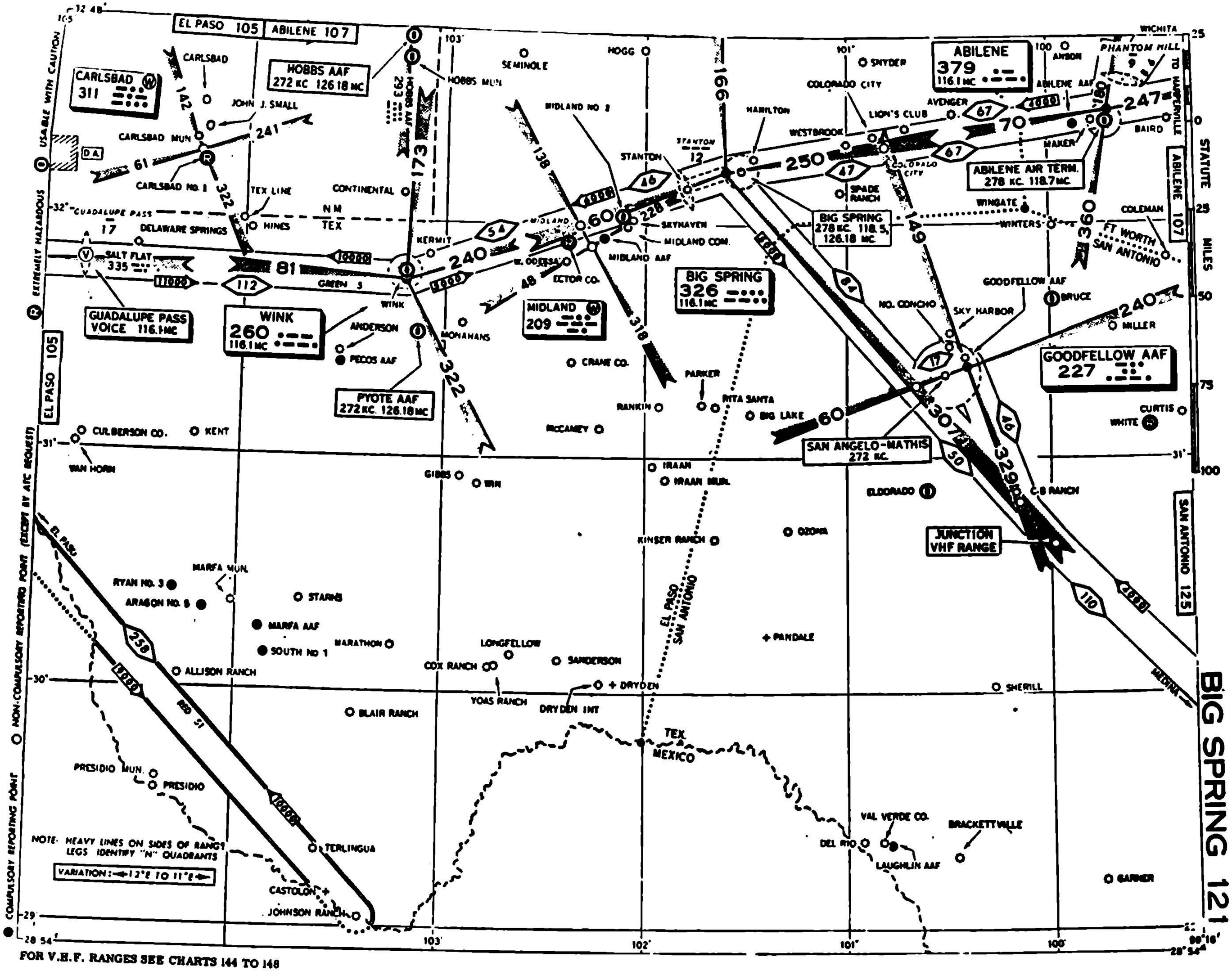

KNOXVILLE 93 RALEIGH 05
CHARLESTON 119
WILMINGTON N.C. AREA
COLUMBIA 227 116.1 MC
LEXINGTON CO 396 KC
SHAW AAF 272 KC 126.18 MC
FLORENCE 320 116.1 MC
MYRTLE BEACH AAF 379
MYRTLE BEACH AAF 272 KC 126.18 MC
DANIEL 278 KC 118.9, 126.18 MC
AUGUSTA 385 116.1 MC
CHARLESTON 329 116.1 MC
CHARLESTON MUN. 278 KC 116.3, 126.18 MC
HUNTER 278 KC 118.7, 126.18 MC
SAVANNAH 263 116.1 MC
CORONACA AAF
GREENWOOD
NEWBERRY
WOODWARD
BISHOPVILLE
FLORENCE
DUKE
WHITEVILLE
COLUMBIA
SUMTER
CONGAREE
BRADLEY
TRENTON
DONALD
MANNING
CAMDEN
CONWAY
OCEAN DRIVE
PARKS
AIKEN AAF
NORTH AAF
AIKEN MUN
NO AUGUSTA
JENNINGS
ELLOREE
LANE
GEORGETOWN
GEORGETOWN CO
BUSH
CARLISLE
BARNWELL
WAYNESBORO
MANNING
WALTERBORO
HAMPTON-VARNVILLE
ESTILL
SYLVANIA
LINDSEY
STATESBORO
RIDGELAND
BEAUFORT
CHRISTENSON
MCAS, PARRIS IS.
CHATHAM AAF
W. SAVANNAH
SAFFOLD
SAVANNAH-WILMINGTON IS.
GLENNVILLE
CAMP STEWART AAF
HINESVILLE
JACKSONVILLE 33
TRULUCH
CLARK
JOHNS IS AAF
CAROLINA SKYWAYS
BLUETHENTHAL
WILMINGTON
CAROLINA BEACH
PERTFER
BIRDSVILLE
ATLANTA 117
JACKSONVILLE
S CAR
GA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION 7°E TO 5°W
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
STATUTE 20 MILES
150
112
232
292
176
88
269
52
226
107
46
287
110
330
197
69
356
153
231
290
46
51
333
73
79
91
98
22
57
249

BIG SPRING

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ABILENE Range (Tex) (Air Terminal)	379(AP)(116.1)	180°, 2.2	SBRAZ-DTV	(3): 116.1, 122.1
ABILENE Tower (Tex)	278 (118.7)		C	(4); 118.7,126.18,122.5 (7-23)
(P) [Abilene Air Terminal](Tex)	2.8 ESE;RR N	1758	36h L5 S6	73,80,91 oct.; 100 oct.Army
(A) Abilene AAF (Tex) (A)	7 WSW;hwy N	1791	51h	CLOSED.
Allison Ranch (Marfa, Tex)	23.4 SW;hwy E	5100	49 S1	73 oct.
Anderson (Pecos, Tex)	1.8 NNW;RR W	2620	42 S6	80 oct. Poles sur fld.
Anson (Tex)	0.8 ENE;RR W	1650	21 S1	80 oct.
(A) Aragon #6 (Marfa, Tex) (A)	9 WNW;RR N	4880	60h	CLOSED.
(P) Avenger (Sweetwater, Tex)	3.5 W;RR S	2370	62h L5 S6	80,91 oct.
Baird (Tex)	3.1 NNE;hwy W	1710	24 S6	73, 80 oct.
Big Lake Mun. (Tex)	0.6 NW;hwy S	2950	37 S2	80 oct. Use strips.
BIG SPRING Range (Tex)	326(BZ)(116.1)	70°, 3.9	SBRAZ-VDT	(3);116.1,122.1
BIG SPRING Tower (Tex)	278 (126.18, 118.5)		C	(4): 126.18,122.5,118.5 (7-23)
(P) [Big Spring] (Tex)	3.3 WSW;hwy N	2595	62h L5 S6	80,91,100 oct. NATS P-line
Blair Ranch (Marathon, Tex)	23.5 SSW;hwy E	4180	24	PRIVATE. N,E,NW.
Brackettville (Tex)	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Bruce (Ballinger, Tex)	4.5 SSW;hwy NW	1731	23h L S6	80,91 oct. B-2 lgts on req. Use rnwys.
CARLSBAD Range (Mun)(N.M.)	311 (DKB)	322°,3.5	MRLW	
Carlsbad (N.M.)	3 N;RR E	3100	38 S2	80 oct.
(P) [Carlsbad Mun] (N.M.)	6.1 SSW;hwy SE	3276	67h L5 S6	73,80,91 oct. No flood. Fld lgts on req. Rnwy data unver.
Carlsbad #1 (N.M.)	11 S;hwy 3 W	3245	67h	
Castolon (Tex)	0.8 NNW;riv SW	2300	16	High butte 0.5 mi E
C-B Ranch (Fort McKavett, Tex)	1.5 W;rd S	2150	32 S1	80 oct. Livestock on fld
Coleman (Tex)	1.7 NE;crk SW	1685	16h S2	80, 91 oct. Use rnwys only
Combs (Marathon, Tex)	See Marathon under "New Facilities" - name changed.			
Continental (Jal, N.M.)	0.7 W;hwy E	3100	20	
Cox Ranch (Longfellow, Tex)	8.2 SW;RR S	3700	48	PRIVATE.
Crane Co. (Crane, Tex)	1 NNW;hwy E	2900	45 S1	73 oct. Hi-line S.
(P) Culberson Co. (Van Horn, Tex)	3.5 ENE;RR S	3955	60h	
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel.
Decker Ranch (Candelaria, Tex)	11.5 N	3650	29	PRIVATE
★ Delaware Springs Int, 11, EO-FV (Tex)	16.8 E Pine Springs	3955	40 L3 S1	91 oct. P-line SSE.
Del Rio (Tex)	1.5 WSW;hwy E	1025	30 S4	80 oct. No sto. Poles N
Dryden Airdrome (Tex)	1 W	2159	18	
★ Dryden Int, 29, EO-II (Tex)	5.7 W;hwy N	2300	45h L3	
Dyche (Ft. Stockton, Tex)	9 SW;RR E			ABANDONED
Ector Co. (Odessa, Tex)	6 NNW;hwy W	2900	50 S6	80,91 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Eldorado (Tex)	1 W;RR E	2400	32 S1	80 oct. Poles E. Cattle on fld.
(A) Fort Clark (Brackettville)(A)	1.5 SW;rd E			ABANDONED
Garner (Uvalde, Tex)	2.7 E;hwy N	930	17h S1	80 oct.
Gibbs (Ft. Stockton, Tex)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'
GOODFELLOW Army Range	227 (DIP)	329°,2.5	BMRLZ	(3)
GOODFELLOW Tower (Tex)				DECOMMISSIONED
(A) Goodfellow (San Angelo, Tex)	3 SE;rds N,W	1877	55h	TMP INACT.
GUADALUPE PASS (Tex)	(116.1)		VP	(4);116.1,122.1
Hines (Red Bluff Lake, Tex)	5.5 NNW;RR W	2850	24 S1	80 oct.
HOBBS AAF Tower (N.M.)	272 (126.18)		CA	(3); 126.18 (630-23)
(A) Hobbs AAF (N.M.) (A)	8 NW;RR NE	3707	88h L5 S4	100 oct. prior req.
[Hobbs Mun] (N.M.)	5 W;hwy N	3658	50h L5 S6	80,91 oct. P-line N. Fld lgts
Hogg (Lamesa, Tex)	3 W;hwy N	3000	38 S1	80 oct. Bldg SW.
Iraan (Tex)	5 NW	2300	26	
Iraan Mun. (Tex)	0.5 SE;hwy W	2500	33 S2	80,91 oct. P-line N,S,SE. Use strips only.
John J. Small (Carlsbad, N.M.)	3.5 SSE;RR NE	3150	27 S1	73 oct.
Johnson Ranch (Castolon, Tex)	10.7 SE;riv SW	2092	37	
Kent (Tex)	0.6 WNW;RR S	4260	21	P-line NE,SW. PRIVATE.
Kermit (Tex)	1.3 E;hwy S	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona, Tex)	25 W;riv W	2474	24 S1	80 oct. PRIV Data unver.
Lamesa Com. (Tex)	1.8 WNW;hwy S			ABANDONED
(P) Laughlin (Del Rio, Tex)	7 E;hwy N	1070	67h	Use rnwys. Cat'l on fld.
(A) Marfa AAF (Tex) (A)	9 ESE;R R N	4885	75h	CLOSED.
Marfa Mun. (new) (Tex)	4 N;hwy E	4835	53h S6	80,91 oct.
Marfa Mun. (old) (Tex)	2 NE;hwy,RR S			ABANDONED
McCamey (Tex)	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
Me-Tex (Hobbs, N.M.)	4.5 W;hwy N			ABANDONED
MIDLAND Range (Tex) (AAF)	209 (DON)	48°,3.8	MRLWZ	
MIDLAND #2 Tower (Tex)				DECOMMISSIONED
(A) [Midland AAF] (A) (Tex)	9.5 WSW;RR S	2867	64h L1	CLOSED.
[Midland #2] (Tex)	3 NNW;rd 2	2805	64h L5 S1	80,91 oct.
Midland Com. (Tex)	1.1 SSE;hwy N	2800	30 S6	80 oct. P-line sur fld. Strip ends rough
Miller (Leaday, Tex)	1 S;riv W	1525	31 S6	73 oct. No sto.
Monahans (Tex)	1.2 SW;RR N	2643	33 S6	80,91 oct. P-line SSW.
North Concho (San Angelo, Tex)	1.7 WNW;RR E	1850	28 S6	80,91 oct. P-line N,E,SE
Ozona (Tex)	4.9 WSW;hwy N	2474	52 S1	80 oct.
Pandale (Tex)	8 NE		20 S2	80 oct. Data unver.
Parker, (Texon, Tex)	2.3 W; RR N	2700	32	Use strips only.
(A) Pecos AAF (Tex) (A)	2.2 SSW;RR W	2617	72h	CLOSED.
Presidio (Tex)	4 N;hwy W	2850	48	NOT MAINTAINED.
Presidio Air Strip (Tex)	0.8 NE;hills E	2500	21	PRIVATE.
PYOTE AAF Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Pyote AAF (Tex) (A)	1 SW;RR N	2612	85h L5 S4	73,91,100 oct; JP-1 fuel.
Rankin (Tex)	0.4 NE;RR S	2500	27	P-line S,SE Hills sur fld.
Rita Santa (Tex)	0.5 S;RR N	2800	40	Emerg use only. Obsts sur fld.
(A) Ryan #3 (Marfa, Tex) (A)	19 WNW;RR NE	4750	60h	CLOSED.
SAN ANGELO-MATHIS Tower	272		CI	(4); 12 noon 'til 1 hr. after sunset. Closed Mon
(P) [San Angelo-Mathis] (Tex)	8.5 SSW;rd NW	1915	59h L5 S6	80, 91 oct
Sanderson (Tex.)	2 W;hwy N	2900	24 S2	80 oct, 400' hills W,E.
Seminole (Tex)	1.3 E;lake SE	3312	34 S6	80 oct. P-line S. Use strips.
Sherrill (Rock Springs, Tex)	4 W;hwy S	2400	21	Cattle on fld. P-line W,NW.
Sky Harbor (San Angelo, Tex)	4.6 NNW; RR SW	1840	30 L3 S4	80,91 oct. After 2100 lgts on req.
Skyhaven (Midland, Tex)	1.4 NE;RR S	2800	41 S6	73,80,91 oct. P-line ENE,SE
South #1 (Marfa, Tex) (A)	15 SE	4825	60h	CLOSED. W-mill WNW
Starns (Alpine, Tex)	2.1 NW;RR E	4481	42 L S6	80,91 oct. Rnwy lgts prior req
Terlingua (Tex)	2 E;hwy SW	2700	36	
Tex-Line (Orla, Tex)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Tracy (Carlsbad, N.M.)	2 ENE;hwy S			ABANDONED.
U & S Fly Svc. (Big Spring)	See Hamilton under "New Facilities" - name changed.			
Val Verde Co. (Del Rio, Tex)	4.5 ENE;RR S	1094	49h	
Van Horn (Tex)	0.8 SE;RR N	4040	26 S1	80 oct. Poles NW.
★ Westbrook Int, 32, EO-FV	1.3 S;RR N	2188	34 L3	P-line N,S. (Tex)
White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
Win (Ft. Stockton, Tex)	3.2 E;hwy N	2925	54 S6	80 oct.
WINK Range (Tex)	260 (WP)(116.1)	353°,1.2	SBRAZ-DTV	(4);116.1,122.1
Wink (Tex)	3.6 WNW;rd SE	2824	70h L5 S6	80,91 oct.
Winters (Tex)	2 NW;RR E	1860	29 S1	73 oct.
Yoas Ranch (Longfellow, Tex)	6.5 WSW;RR N	3675	36	PRIVATE. P-line NW.
NEW FACILITIES				
Colorado City (Tex)	1.5 S;riv NW	2100	21	Ravine E.
Spade Ranch (Westbrook, Tex	14.8 S;ranch 4 E	2127	26	
Westodessa (Odessa, Tex)	1.5 WSW;RR S	2880	33 S2	80,91 oct. P-lines NNW,SSE
Hamilton (Big Spring, Tex.)	1.5 N;hwy 1 S	2517	40 S6	80,91 oct. P-line N,NNE,Ctn. Data unver
Maker (Abilene, Tex)	2.7 W;hwy,RR N	1750	30 S1	80 oct. P-line N,NE,NW
Stanton (Tex)	2 N;hwy 0.5 W	2664	22 S2	80 oct. P-lines N,E,ESE,NW. blkd.
Snyder (Tex)	1.3 S	2270	21 S2	80 oct. P-lines NW,W,SE.E
Marathon (Tex)	0.8 SE;RR N	4100	26 S2	80 oct. Cattle on fld occasionally.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 148

CORPUS CHRISTI

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
ALICE Range (Tex)	224 (EZ)	72°,3.6	SRAWZ	
(P) Alice (Tex)	3.3 ESE;hwy 2 N177		48h L5 S6	80, 91 oct.
(A) Aloe AAF (Victoria,Tex)	See Victoria Co under "New Facilities" - name change			
Aloe #10 (Victoria,Tex)(A)	19.8 WSW	150	40h	CLOSED.
Asherton (Tex)	1 S;hwy N	552	13	Trees N. Bush ENE, C1 N.
* Austwell Int,5A,CR-HU	2.1 SSW;rd N	23	32 L3	(Tex)
BROWNSVILLE Range (International) (Tex)	388(JI)(116.1)	157°,2.3	SBRAZ-DTV	(3);116.1,122.1
CABANISS NAAS Tower (Tex)	(142.74)		CN	3105;142 74 (during flgt
(N) Cabaniss NAAS (Corpus Christi, Tex) (N)	6.2 SSW;hwy NW	30	50h L5 S6	80,91,100 oct. opers).
Central Valley (Mercedes)	3 NE;RR 1.5 S	60	31h S6	80,91 oct. (Tex)
Chase (Beeville,Tex.)	5.6 ESE;rd N	186	46h L5	No bcn, bndry, or flood lgts.
Chupadera Ranch Emerg. Strip (Laredo, Tex)	60 NW	630	33 L1	
CLIFF MAUS Tower (Tex)	278 (118.3)		C	(4);118.3,126.18,122.5 (7-23)
[Cliff Maus](Corpus Christi, Tex)	2.5 SW;hwy N	42	45h L6 S2	80,91 oct.
Commercial (Edinburg)	1 W;RR SE	90	13 S1	73 oct. P-line NW, (Tex)
Community (Sinton,Tex)	2 W;RR E	50	24 S4	80 oct. Trees N,E,SE.
CORPUS CHRISTI Range (Cliff Maus) (Tex)	382(CR)(116.1)	138°,2.9	SBMRLZ-DTV	(3); 116.1,122.1
CORPUS CHRISTI Navy Range	248 (NGP)	350°,3.3	MLZ	(3); 142.74
CORPUS CHRISTI NAS Tower	248 (142.74)		CN (GCA)	(3); 142.74
(N) Corpus Christi NAS (Tex)	9.5 SE;bay N	19	50h L5 S6	80,91,100 oct NATS (N)
CORPUS CHRISTI NAS Seaplane Tower (Tex)	2870(142.74)		CN	3105;6210; 142.74
(N) Corpus Christi OLF #10 (Tex) (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLF #11 (Tex)(N)	16 SSW	29	15h	13 SSW Aberdeen
(N) " OLF #25 (Tex)(N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLF #41 (Tex)(N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City (Tex)	1.8 N;RR W	600	31 S4	80 oct. P-line ENE, WSW.
CUDDIHY NAAS Tower (Tex)				DECOMMISSIONED.
(N) Cuddihy (Corpus Christi)	7.8 SW;crk S	39	50h L5 S6	80,91 oct. No bcn. (Tex.)
Dimmit Co.(Carrizo Spgs, (Tex)	2.8 E;hwy N	640	26	P-line NNE,WSW.
(P) Eagle Pass (Tex)	10 N;RR N	887	59h	
Eagle Pass Mun. (Tex)	1.3 E;hwy N	774	29 S2	80 oct. ARPT OF ENTRY
Elsa (Tex)	1 SSE;RR SE	70	21 L S6	80 oct. Lgts prior req.
Foster (Victoria, Tex)	6.5 NE;RR S	104	52h	CLOSED
Fox (Raymondville,Tex)	1 WSW;RR S	40	26 L S4	80,91 oct. Poles S.SW.
Freer (Tex)	3.8 NNW			ABANDONED Port flood prior req.
Harlingen, com. (Tex)	1.8 SSW	41	18	
Harlingen (Tex)	5 NW;RR SW			ABANDONED
Harlingen, mun. (Tex)	3.5 NE	35	60h L5 S6	80,91 oct. Lgts prior req
Hunt (Portland, Tex)	2 WNW;bay S	35	16 S4	80 oct.
Indianola (Magnolia Beach)	2 SW;hwy 1 S	17	34 S1	80 oct. Emerg only. (Tex)
INTERNATIONAL Tower (Brownsville, Tex)	278 (126.18. 118.7)		C (ILS-W)	(4): 118.7,126.18,122.5 (8-24)
NEW FACILITIES				
Woods (Donna,Tex.)	0.9 E;RR S	88	25 S6	73,80 oct. Obst sur fld.
(P) Victoria Co (Tex)	5.5 WSW;hwy S	107	56h S6	80,91 oct.
Falfurrias (Tex)	0.7 SE;RR W	109	24 S1	80 oct. P-line NW, strips
Shary (Mission,Tex)	3.8 SE;rd W	135	37 S1	80 oct. P-line W,NW. Use
Pharr (Tex.)	1.8 S;hwy W	110	23 S8	80 oct. P-lines W,NW.

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(A) [International] (Brownsville, Tex)	4.5 E;hwy N	22	57h L6 S6	73-100 oct. ARPT OF ENTRY. 100 oct. Army
Kenedy (Tex)	1.4 ESE;hwy N	270	15 S2	80 oct. Ctn.
* Kingsville Int,11,JI-FV	3.5 S;hwy W	58	26 L3	(Tex)
" (North) (Tex)	3.5 ESE	47	61h	CLOSED.
Kingsville (South)(Tex)	3.5 SE	51	61h S4	80, 91 oct.
Lake Mathis (Mathis,Tex)	5 WSW;RR SE			ABANDONED.
La Laja (Dolores,Tex)	1.5 NNE;riv SW			ABANDONED
LAREDO Range (Tex)	206(LL)(116.1)	137°,3.1	SBRAZ-DTV	(4); 116.1,122.1
(P) [Laredo] (Tex)	3.5 NE;hwy, RR W	512	66h L5 S6	80,91 oct. Lgts on req. ARPT OF ENTRY.
Los Fresnos (Tex)	0.8 SSE;RR W	35	24 S6	80 oct. P-line W.
McAllen (Tex)	1.6 SSW;hwy E	115	29 S6	80,91 oct, Obst sur. fld.
Magic Valley (Mission)	1.5 SSW;1k W			ABANDONED
(A) Matagorda Island (Tex)(A)		7	40h	TMP INACT. NO FACS. 9 SSW Port O'Conner.
Matagorda-Peninsula (Matagorda, Tex)	6.5 E Port O'Conner	5	40h	
Mauldin (Brownsville,Tex)	4.4 NNW;RR W	22	35 S6	80,91 oct. Obst sur fld.
Mid-Valley (Weslaco,Tex)	1.7 NE;RR W	70	25h S4	80 oct. Canal N,E,S.
(P) Moore (Mission, Tex)	12 N;RR E	219	50h S6	80,91 oct.
" #1 (Mission,Tex)	10 N Edinb'g	80	40h	Hwy,RR W.
(A) " #3 (Mission,Tex)(A)	5 N La Grulla	300	30h	CLOSED.
PALACIOS Range (Tex)	350 (UX)	118°,1.6	MLWZ	
Palacios (Tex)	2.7 WNW	13	50h S4	80 oct.
* Pawnee Int,22,JI-FV (Tex)	5 WNW	368	30 L3	
(P) Port Isabel (Tex)	10 NW	12	48h	
* Raymondville Int,5,JI-FV	3.5 NNE	34	29 L3	RR W. (Tex)
(P) Rockport (Tex)	See Aransas Co under "New Facilities" - name changed.			
RODD NAAS Tower (Tex)	(142.74)		CN	3105;142.74 (during flgt
(N) Rodd NAAS (Corpus Christi, Tex) (N)	9.8 S;riv S	20	51h L5 S6	80,91,100 oct. opers.)
Rooke (Refugio, Tex)	3.2 WSW	46	26 S4	80 oct. P-line NE.
San Benito,2,JI-FV (Tex)	1.5 E;RR SW	31	26 L3 S6	80,91 oct, Bust SW.
Shary (Mission, Tex)	1 NW;RR E			ABANDONED
Sinton (Tex)	1.3 E	27	26 S6	80,91 oct.
Tanner Sea & Land Plane Base (Port Lavaca,Tex)	3 S;hwy S	12	22 S1	80 oct.
Travland (Beeville,Tex)	2 NW;RR E	225	19 S2	80 oct. P-line E,NE.
Waldron (Corpus Christi, Tex)	12 SSE;hwy NNE	25	50h	CLOSED.
Weisman (Kingsville,Tex)	2.5 NNE;RR S			ABANDONED
Wormser (Lardeo, Tex)	4 SE;hwy W			ABANDONED
Worsham (Taft.Tex)	0.8 ENE;hwy S	54	20 L S6	80 oct. Port lgts on req.

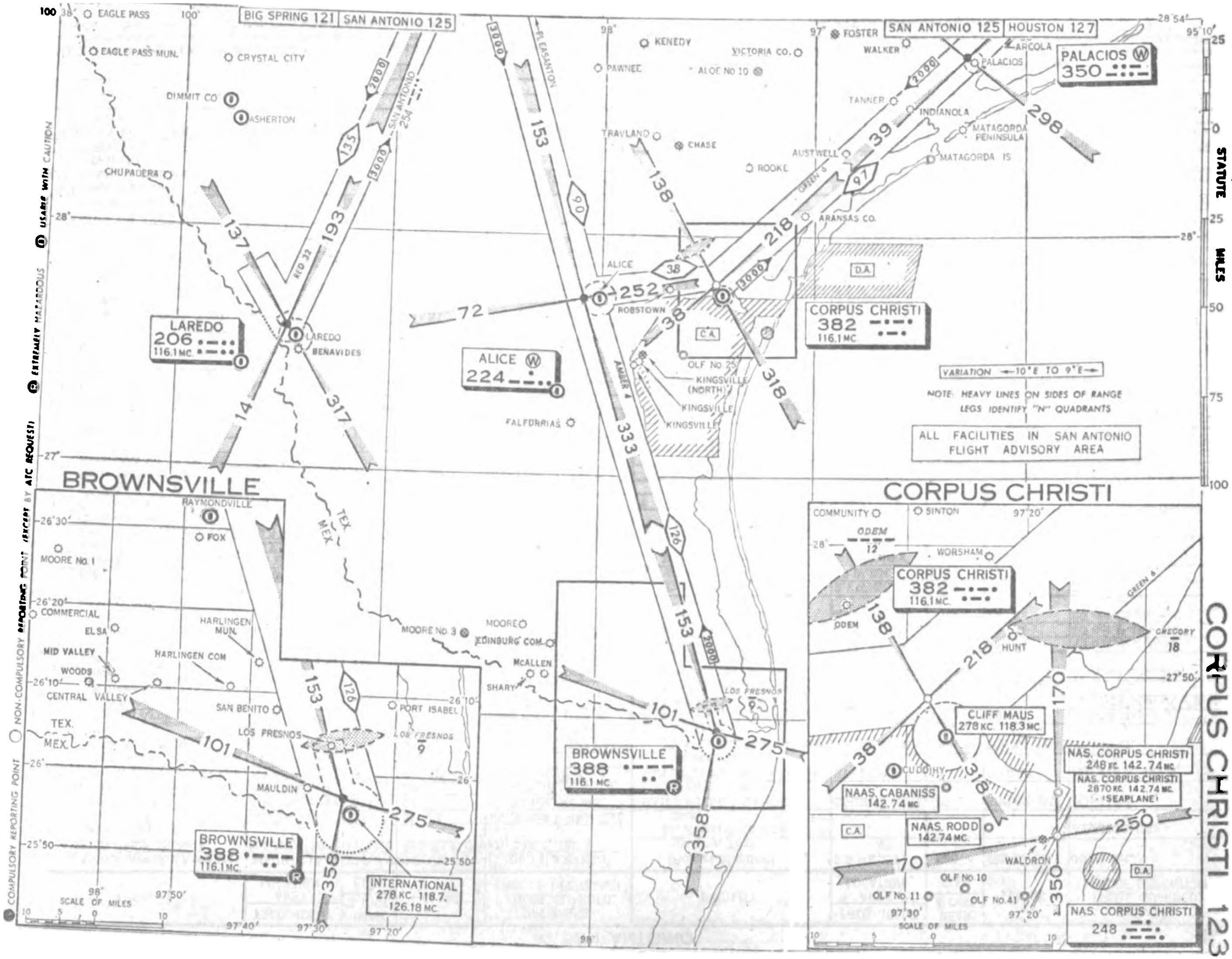
INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
INTERNATIONAL	110.3 ·−·−·	335	173°	IM-	MM-·−·−(0.66)	OM- −−(4.34)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES					
(P) Aransas Co (Rockport,Tex	4.3 N;bay W	22	45h		
Robstown Arpk (Tex.)	1 SW;RR S	83	16h	Rough. Use ctn. Cattle on fld.	
Odem (Texas)	1.5 SSW;RR W	50	25 S1	80 oct. P-line W. PRIVATE.	
Walker (Lolita,Tex.)	1.8 SSW;riv W	14	18 S2	80 oct. P-line N.	
Edinburg (Tex)	2.8 W;hwy N,W	90	24 S6	73,91 oct. P-line W,N.	
Benavides (Laredo,Tex)	4.3 E;RR N	545	25	Brush NW.	

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) —►New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


BIG SPRING 121 | SAN ANTONIO 125
SAN ANTONIO 125 | HOUSTON 127
EAGLE PASS
EAGLE PASS MUN.
CRYSTAL CITY
DIMMIT CO
ASHERTON
CHUPADERA
LAREDO
BENAVIDES
LAREDO 206 116.1 MC
ALICE 224
FALFURRIAS
KENEDY
VICTORIA CO.
PAWNEE
ALOE No 10
TRAVLANO
CHASE
ROOKE
AUSTWELL
ALICE
ROBSTOWN
OLF No 25
KINGSVILLE (NORTH)
KINGSVILLE
FOSTER
WALKER
ARCOLA
PALACIOS
PALACIOS 350
TANNER
INDIANOLA
MATAGORDA PENINSULA
MATAGORDA IS
ARANSAS CO.
CORPUS CHRISTI 382 116.1 MC
VARIATION 10°E TO 9°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
ALL FACILITIES IN SAN ANTONIO FLIGHT ADVISORY AREA
BROWNSVILLE
RAYMONDVILLE
FOX
MOORE No. 1
COMMERCIAL
ELSA
HARLINGEN MUN.
MID VALLEY
WOODS
CENTRAL VALLEY
HARLINGEN COM
SAN BENITO
PORT ISABEL
LOS FRESNOS
TEX. MEX.
MAULDIN
BROWNSVILLE 388 116.1 MC
INTERNATIONAL 278 KC 118.7, 126.18 MC
MOORE No. 3
MOORE
EDINBURG COM.
McALLEN
SHARY
BROWNSVILLE 388 116.1 MC
CORPUS CHRISTI
COMMUNITY
SINTON
ODEM
WORSHAM
CORPUS CHRISTI 382 116.1 MC
HUNT
GREGORY
CLIFF MAUS 278 KC 118.3 MC
CUDDIHY
NAAS, CABANISS 142.74 MC
NAAS, RODD 142.74 MC
NAS. CORPUS CHRISTI 248 KC 142.74 MC
NAS. CORPUS CHRISTI 287.0 KC 142.74 MC (SEAPLANE)
WALDRON
OLF No 10
OLF No 11
OLF No 41
NAS. CORPUS CHRISTI 248
SCALE OF MILES
STATUTE MILES
CORPUS CHRISTI 123
USABE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

SAN ANTONIO

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
ALAMO Range (San Antonio)	344(JR)(116.1)	174°,2.7	SMRLZ-DTV	(3);116.1,122.1(7 ex.)
AUSTIN Range (Robert Mueller) (Tex)	281(XN)(116.1)	117°,1.8	SBMRLZ-DTV	(3); 116.1, 122.1
Bandera (Tex)	1.7 SE;riv N	1250	27 S6	80 ,91 oct.P-line ENE
Belton (Tex)	1.6 WSW;hwy N	511	21 S1	73, 80 oct. No sto.
BERGSTROM Tower (Tex)	396 (126.18)+		CA	(4); 126.18
(A) Bergstrom (Austin,Tex)(A)	7.5 SE;riv NE	515	65h L5 S6	73,100 oct.JP-1.
[Blackland#1](Waco,Tex)	11 WSW;RR S	575	55h	
(A) Bryan AAF (Tex) (A)	7 SSW;riv SSW	264	55h	TMP INACT.NO FACS
Burnet (Tex)	2 NE;RR W	1325	21 S1	80 oct.P-line SW.
Cameron Arpk (Tex)	1.7 N;RR W	402	29	Bldg NNE. Hwy W.
(A) Camp Hood Landing Field (Killeen, Tex) (A)	2 NE	920	36	CLOSED.
Coulter (Bryan, Tex)	4 NE;hwy NW	360	22 S6	80 oct. 5' fence SW.
Cuero (Tex)	3.1 N;riv 1 W	195	53 S6	80,91oct.Port lgts prior req.
(P) Curtis (Brady, Tex)	3 N;hwy SE	1830	42 L3 S1	Ltd fuel
(P) Draughon-Miller (Temple, Tex)	5.5 NW;rd SW	675	54h L5 S1	80,91 oct. No flood lgts.Ctc lgts on req.
(P) Easterwood (College Station, Tex)	2.8 SW	320	52h S6	80 oct.
Eden (Tex)	1 NW;hwy E			ABANDONED
Edgerton (Cuero, Tex)	2.9 E;hwy SW			ABANDONED.
Edna (Tex)	1.5 ENE;RR NW			ABANDONED
Foster #4 (Victoria,Tex)	12.5 NNW	186	56h	lgts prior req
Garner (Uvalde, Tex)	2.7 E;hwy NW	930	17h L S6	80,91 oct, Port rnwy
(P) Georgetown (Tex)	3.3 N;hwy E	789	41h L5 S4	80, 91 oct.
Groesbeck (Tex)	1.5 E;hwy S	477	21 S1	73 oct.
Haile (Austin, Tex)	4.1 NE;RR NE	725	23 S6	80,91 oct.P-line E
* Hammond Int,16,GS-WC	2.5 SSE;RR W	393	30 L3	(Tex) SE.
Hearne (Tex)	0.8 SE;RR E	305	22 S1	80 oct.P-lines NE,E,
Hefner (El Campo, Tex)	1.5 WSW	104	41 L S6	80 oct. Port rnwy lgts.P-line NNE,SSW
(A) Hondo AAF (Tex) (A)	2.1 NW;RR S	929	61h	CLOSED.
KELLY Tower (Tex)	219 (126.18)+		CA	(3); 126.18
(A) Kelly (San Antonio, Tex) (A)	6.8 SW;RR NE	675	75h L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEAR.ST
Killeen (Tex)	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
(P) Lampasas Co.(Lampasas)	6 NW;RR S	1480	42 S2	80 oct. (Tex)
(P) Llano Co. (Llano, Tex)	2.4 NNE	1029	40 S1	73 oct. Riv NE.
Louise (Tex)	1.6 E;RR W			ABANDONED
(P) Louis Schreiner (Kerrville, Tex)	See Kerrville Airport under "New Facilities" -name changed			
Mason Co. (Mason, Tex)	3.2 ESE;hwy N	1500	44	
Newland (Waco, Tex)	4.5 SSE	410	25 S6	80, 91 oct. RR NE.
RANDOLPH Army Range (San Antonio)(Tex)	359 (DRQ)	322°, 2.0	BMRLZ	(3)
RANDOLPH Tower (Tex)	272 (126.18)		CA	(3); 126.18
(A) Randolph (San Antonio, Tex) (A)	14.8 ENE;RR NW	760	70h L5 S6	91,100 oct.No sto.
Riesel (Waco, Tex)	10.5 SE	371	51	
ROBERT MUELLER Tower (Austin) (Tex)	272 (118.7)		C(ILS)	(4); 118.7,126.18,122.5 (7-23)

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
[Robert Mueller] (Austin, Tex)	3.5 NE;RR SW	620	46h L5 S6	80,91 oct.
St. Edwards (Austin, Tex)				ABANDONED.
SAN ANTONIO RANGE (Kelly) (Tex)	254(ZN)(116.1)	107°, 1.8	SBRAZ-DV	(4); 116.1
SAN ANTONIO MUN-ALAMO Tower (Tex)	278 (118.5)		C (ILS)	(4); 118.5, 122.5, 126.18
[San Antonio Mun.-Alamo] (Tex)	7.8 N;RR SE	800	55h L6 S2	80,91 oct.
SAN MARCOS Army Range	266 (DMS)	170°,4.2	MRLZ	V(6-18 Mon-Fri)
SAN MARCOS AAF Tower	317		CA	(3) (6-18 Mon thru Fri)
(A) San Marcos AAF (Tex)(A)	5 E;riv 1.4 W	596	63h L5 S1	73,91 oct.
* San Marcos Int, 31B, JI-FV (Tex)	See Thompson under "New Facilities" -name changed.			
Schulenburg (Tex)	2.2 N;hwy W	344	20 S4	73 oct. P-line W.
Scott (Gatesville, Tex)	1.8 E;hwy N	780	25 S1	80 oct.P-line NW.
Stephens (Marlin, Tex)	2 ESE;RR N, SSW	318	19 S2	80 oct.Cattle on fld. Pole W.
Taylor (Tex)	2.2 WNW;RR S	520	24 S4	73 oct.
White (Brady, Tex)	10 W;RR N	1550	73	CLOSED.
Woodson (Temple, Tex)	2 NNW;hwy SW	763	28h S4	80 oct.
YOAKUM H Fac (Int.)(Tex)	236 (YK)	352°, 2.8	HW	
* Yoakum Int,7,JR-HU(Tex)	5 NW;hwy S	387	39 L3	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

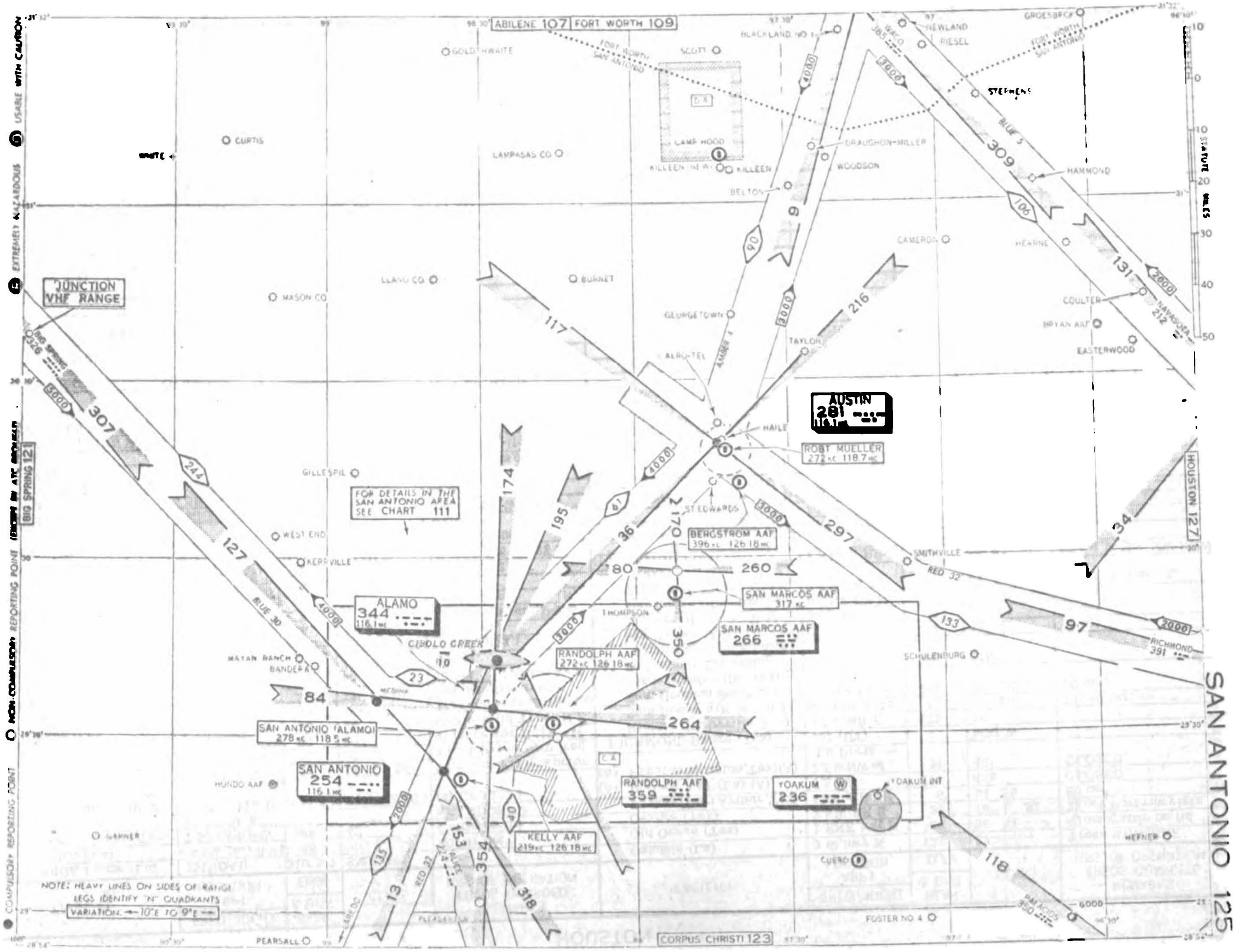
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
ALAMO	109.9	333.8	30°	IM-	MM- •—•—• (0.68) OM- — — (4.38)
					MMK- OMK-230•— — —
ROBERT MUELLER	109.5	332.6	305°	IM-	MM- •—•—• (0.69) OM- — — (6.12)
					MMK- OMK-

NEW FACILITIES

Edna (Tex,	See Good under "New Facilities" - name changed.			
Killeen-new (Tex)	1.6SE;RR,hwy N	833	25 S1	80 oct.
Smithville (Tex)	2,5 SE;lake NW	324	18 S1	80 oct. P-line ENE SW
(P) Kerrville (Tex)	5.8 SE;RR SW	1590	44h L5 S6	80,91oct No f-lgts P-line
Good (Edna,Tex)	2 ESE;hwy S	60	18 S1	80 oct.
Mayan Ranch(Bandera,Tex)	0.7 W;riv N	1230	25 S2	80 oct.Trees NNE,SSE,NW
St Edwards(Austin,Tex)	4 S;RR N	700	23 S4	80 oct
Aero-Tel(Austin,Tex)	7.5 N;plant 1 N	720	22 S6	80 oct Trees SSE,W.
Goldthwaite (Tex)	2.6 WSW;hwy NW	1500	35 S2	80 oct.P-line W.
Faust(New Braunfels,Tex)	2.5 NE;RR NW	720	44 S4	80 oct P-line SW,NW
West End(Kerrville,Tex)	1.9 NW;hwy SW	1645	20 S6	80 oct P-line SE,SSE
Gillespie(Fredericksb'g)	3.1 SW;hwy SE	1742	42 S3	80 oct. (Tex)
Thompson Site 31B,JI-FV (San Marcos,Tex.)	2 SE;riv NE	577	29 L3 S6	80,91 oct.Trees NE,ESE, SW.
Pearsall (Tex)	1.9 NNE;RR W	645	23 L S4	80 oct.P-line WNW.Port lgts on req.

RADIO: S–Simul. Range and Voice. W–Without Voice. Z–VHF Range Station Location Marker. (3)–3105, 4495, 6210 kcs. (4)–3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf)–Voice on 116.1 and 111.1 mcs. +–Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ✱ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h–hard surfaced runways. L–Lighting facilities. S–Servicing (see page XIII) →New or revised data. [Jones]–Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.



FOR V.H.F. RANGES SEE CHARTS 144 TO 148

HOUSTON

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
ALEXANDRIA Range (La)	251 (DAI)	310°,5.7	SMRAWZ	
(P) Alexandria (La)	6 WNW;hwy 0 8 N	88	70h L5 S4	80, 91 oct
Angelina Co. (Lufkin,Tex)	7.5 SSW;RR W	288	42	Cattle on fld
Bay City (Tex)	2 SSW,RR N			ABANDONED
BEAUMONT Range (Jefferson Co) (Tex)	368(JU)(116.1)	160°,3.7	BMRLZ-DTV	(4),116.1,122.1
Beaumont (Tex)	6.8 W;bet RRs	31	34 L3 S6	73,80 oct Fld lgts prior
Carter Fly. Svc (Velasco,Tex)	0.8 NW,RR NE	10	27 S1	80 oct. P-line NNW req
Damon (Tex)	3 ESE;hwy WSW	60	22	4' fence sur fld WNW
De Quincy (La)	1.5 SW;RR NW	78	24	Cattle on fld Trees N,E
(P) De Ridder (La)	3.5 WSW;RR S	203	45h	Lgts on req to Ellington
(A) Ellington (Houston,Tex) (A)	15 SE;RR W	39	52h L5 S1	100 oct Airways or
Erwin-Newman (Houston, Tex)	5 SSW;hwy N	50	28 S6	80 oct Houston Arpt.
Eunice (La)	1.7 W,hwy N	45	35 S2	80 oct.
GALVESTON Range (Tex)	263(GS)(116.1)	125°,4.2	SBMRLZ-DTV	(4);116.1,122.1
Galveston (Tex)	3.5 WSW;gulf S	7	30h L5 S6	80,91 oct.
Gulf Coast (Texas City,Tex)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct, No sto. P-line
HITCHCOCK Tower (Tex)	3295		CN	3105 (days) N.
(N) Hitchcock NAF (LTA) (N)	2.3 SW;RR ENE	20	20h	(Tex)
HOUSTON Range (Tex)	322(HU)(116.1)	309°,2.2	SBRAZ-DTV	3);116.1,122.1
HOUSTON Tower (Tex)	(278)(126.18,119.5)		AC (ILS)	(4);118.5,126.18,122.5
[Houston] (Tex)	9 SSE;hwy W	50	47h L6 S6	73,80,91,100 oct.
Humphrey (Goose Creek)	4 NNE;RR E	34	24	P-line W.
Jackson (Cypress,Tex)	4 SE;hwy S	145	25 S6	P-line NW,W (Tex)
(P) Jefferson Co. (Beaumont, Tex)	9.8 SSE;hwy NE	15	51h L5 S4	80 oct
Jennings (La)	1.4 NNW;RR SW	20	32 S4	80,91,100 oct Rnwy etc lgts on req
LAKE CHARLES MUN Range	242(ILC)(116.1)	340°,2.5	SBRAZ-DTV	80,91 oct. P-line E
LAKE CHARLES Tower (La)				(4),116.1,122.1
(A) (Lake Charles Mun.) (La)	4 ESE;RR NE	17	63h L5 S6	DECOMMISSIONED
Lake Charles (La)	5.2 SSW;hwy N			80,91 oct.,73,91,100 oct
Lake Jackson (Freeport)	9.5 NW;hwy E			IP-1 for Army.
Lamar (Beaumont, Tex)	4 SE;riv NE	17	22 S4	ABANDONED
Le Gros Memorial (Crowley, La)	6.5 WSW;RR N	16	43h L5 S2	ABANDONED
Lufkin (Tex)	2 NW;hwy N	315	31 L1 S6	80 oct. No sto. P-line N,S.
Madisonville Emerg. (Tex)	0.8 NW;hwy E	400	18	80,91 oct.
Main Street (Houston,Tex)	6.5 SSW;hwy SE	50	22 S6	73,80 oct.
McArthur (Alexandria,La)	2.8 W;hwy E,N	86	26 S4	
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct.
(P) Montgomery Co. Arpk. (Conroe, Tex)	3.5 NE;hwy W	245	46h L5 S6	80,91 oct Trees N,S Rnwy 80 oct. (Tex) data unver.
NAVASOTA Range (Int.) (Tex)	212 (NT)	180°,1.4	MRLW	80,91,100 oct. No flood lgts. Rnwy lgts prior req.
* Navasota Int,10,GS-WC (Tex)	2.5 ENE; RR NNW	331	30 L3	
(A) No. Camp Polk Land Strip	6 NE	340	14h	(Camp Polk, La) (A)
No. Lake Charles (Lake Charles, La)	10 N;hwy N	17	50	

FACILITY	FREQ. IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED. HRS OF OPERATION
Oakdale (La)	3 W,hwy N	123	27	Trees WSW,ENE
Old Ocean (Tex)	1 ENE;hwy N	60	35 S1	80 oct. Cattle on fld
Orange (Tex)	2.6 W,RR S	20	18 L S1	73 oct Port rnwy lgts
Parker (Port Arthur,Tex)	4 NW;RR NE	6	34 S6	80 oct.
(A) Pollock AAF (La) (A)	4.5 SW	211	45h	CLOSED.
(A) Preston (Houston,Tex) (A)	2.5 WNW of La Porte	34	40	CLOSED
RICHMOND Range (Tex)	391 (UT)		MRLW	
Richter (Kirbyville,Tex)	1.5 S;RR E	175	16	
Sam Houston (Houston,Tex)	10.5 SW,RR S	60	30 S6	73, 80 oct.
Sam Houston State College (Huntsville, Tex)	2.5 NW;RR E	401	24 S2	80 oct.
(A) So. Camp Polk Landing Strip (Camp Polk,La) (A)	Adj E	300	21h	
Sky Harbor (Anahuac,Tex)	0.3 S;hwy N	24	22 S1	80 oct.
Skyport (Houston, Tex)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston,Tex)	6 ENE;RR N	60	30 S4	80 oct.
Tri-Cities (Goose Creek, Tex)	2.6 N;RR E	25	24 S2	80 oct P-line SE
(P) Wharton (Tex)	1.8 ENE;RR N	100	45 S4	80 oct. P-line NW,NNW.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

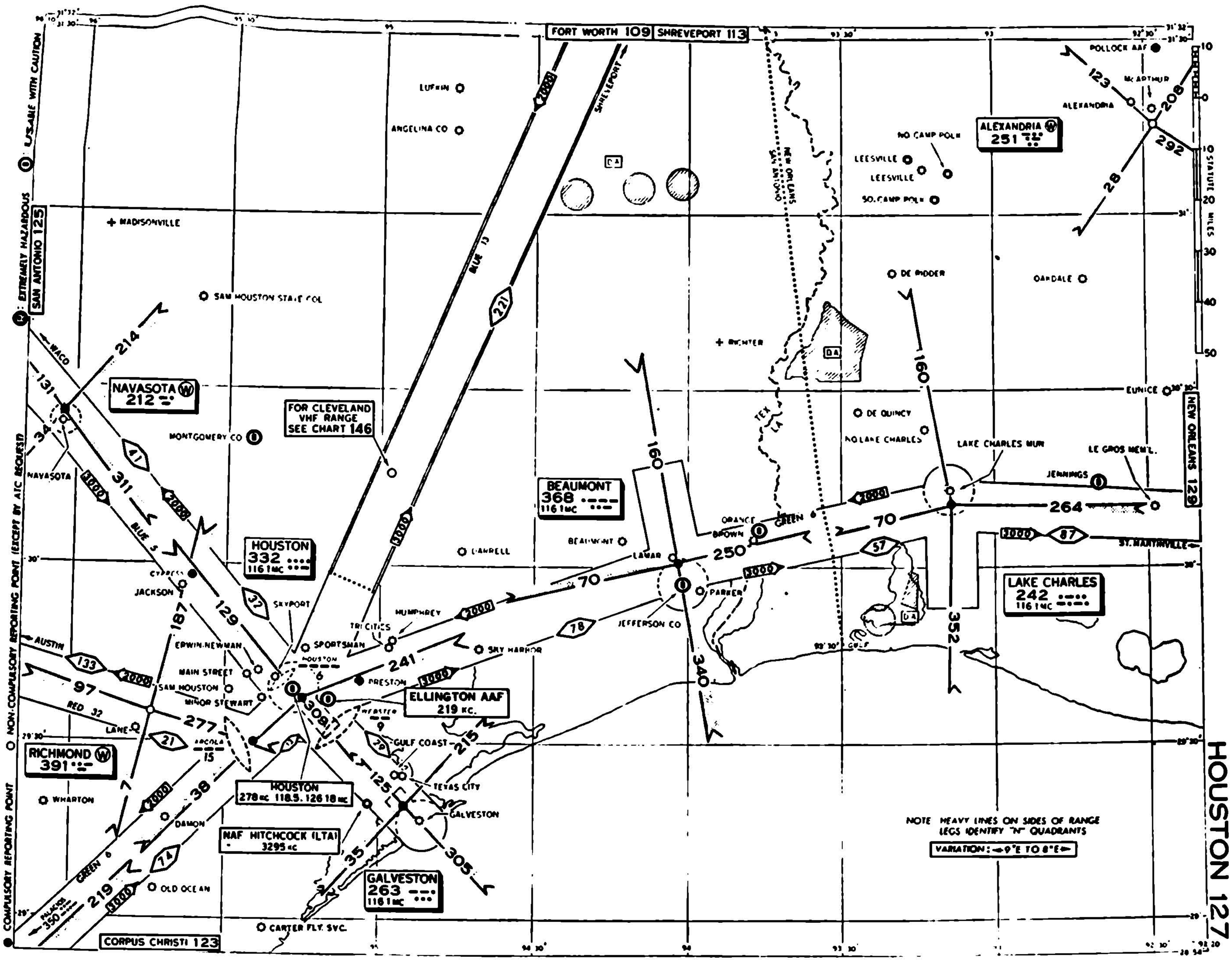
LOCATION	LOCALIZER	G.P.	APPR BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
HOUSTON	109.9	333.8	35°	IM-	MM-•—•—(0.66)	OM- — —(4.78)	
					MMK-	OMK-	
				IM-	MM-	OM-	
					MMK-	OMK-	

NEW FACILITIES

CLEVELAND Range (Tex)	109.1 (CL)		VARW	
Brown (Orange,Tex)	3.6 WSW;hwy SE	20	47 S4	80,91 oct. No sto. P-line SE.
Darrell (Liberty,Tex)	4.3 ESE;RR,hwy N	30	29 S1	80 oct. P-line N
Lane (Rosenburg,Tex)	2.5 SE	106	25 S2	80,91 oct. NNW
Texas City (Tex)	1.8 NNW	8	34 S4	80 91 oct. P-line NE.
ELLINGTON Tower (Houston,Tex.)	219		CA	4495;126.18
Leesville (La)	2 E,hwy N	150	12 S1	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


FORT WORTH 109
SHREVEPORT 113
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
SAN ANTONIO 125
LUFKIN
ANGELINA CO
MADISONVILLE
SAM HOUSTON STATE COL
WACO
214
131
NAVASOTA
212
MONTGOMERY CO
FOR CLEVELAND VHF RANGE SEE CHART 146
34
41
311
BLUE 5
HOUSTON
332
116 1MC
181
129
32
JACKSON
CYPRESS
SKYPORT
AUSTIN
133
97
RED 32
LANE
277
21
RICHMOND
391
WHARTON
38
DAMON
219
74
OLD OCEAN
MILACOR
350
CORPUS CHRISTI 123
CARTER FLY. SVC.
BLUE 13
221
SHREVEPORT
BEAUMONT
368
116 1MC
LAMPELL
BEAUMONT
LAMAR
ORANGE
BROWN
GREEN
160
250
70
PARKER
JEFFERSON CO
78
HUMPHREY
TRI CITIES
SPORTSMAN
SKY HARBOR
241
PRESTON
ELLINGTON AAF
219 RC.
309
WEBSTER
GULF COAST
215
TEXAS CITY
GALVESTON
125
305
35
HOUSTON
278 RC 118.9, 126.1 8 MC
NAF HITCHCOCK (LTA)
3295 RC
GALVESTON
263
116 1MC
RICHMOND
LEESVILLE
LEESVILLE
NO CAMP POLK
SO. CAMP POLK
ALEXANDRIA
251
DE RIDDER
OAKDALE
EUNICE
DE QUINCY
NO LAKE CHARLES
LAKE CHARLES MUN
LE GROS MEM'L.
JENNINGS
264
70
LAKE CHARLES
242
116 1MC
352
340
POLLOCK AAF
McARTHUR
ALEXANDRIA
123
208
292
28
STATUTE MILES
10
20
30
40
50
NEW ORLEANS 129
HOUSTON 127
NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 9°E TO 8°E
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT

NEW ORLEANS

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS OF OPERATION
(N) **Alvin Callender (New Orleans, La)**	9 SSE;RR E	4	50h L5 S4	73,80,91 oct.
BATON ROUGE Range (La) (Harding)	347 (RX)	119°,3.4	MRLWZ	
Bogalusa (La)	2.4 N;RR E	100	35 S6	80,91 oct. No sto. Poles S.
Chapman (New Orleans, La)	8.5 NE;lake N			ABANDONED
* **Covington Int,3,** NO-LS (La)	6 NNE;hwy W	77	27 L3	Pole line W.
* **Donaldsonville** Int. 26. **HU-NO (La)**	3 ENE;hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge, La)	4 E;hwy N,E	56	31 S4	80,91 oct. P-line S.
← **Ellisville** (Miss)	1.3 SW	240	18	Trees all appchs.
(A) **Esler** (Alexandria, La) (A)	11 NE;Bayou S	108	45h	CLOSED
False River (New Roads, La)	1.6 WSW; lk S	30	30 S1	80 oct.
Ferriday (La)	1.5 N;RR,hwy E	55	17	fld,
Girard (Lafayette, La)	2.5 NW;hwy E	39	26 S4	73,80,91 oct. Obst sur
Glendale (Hattiesburg, Miss)	5 NNW;hwy E	200	26 S4	80 oct. Trees sur fld.
Grand Isle (La)	2.6 NE;hwy NW	4	22	
(P) Gulfport Mun (Miss)	3 NE;bayou N	27	70h S4	80 oct.
Gulfport Mun (Old) (Miss)	1.3 N;RR E	30	24	
(P) Hammond	2 ENE;RR S	40	50h L5 S1	80,91 oct. Lgts prior req.
(P) [Harding] (Baton Rouge, La)	5.5 N;riv 1 W	70	60h L5 S4	80,91,100 oct.
← **Harry P. Williams** Memorial (Patterson, La)	2 WNW;hwy NW	9	32 L2 S4	80 oct. Trees NW.
(A) Hattiesburg AAF (Miss) (A)	5 SSE;RR SW, NE	145	43h	Poles W,NW. CLOSED.
(N) Houma NAS (LTA) (La) (N)	3.1 ESE;RR NE	11	50h	NAVY TEMP INACT.
Iberia Parish (New Iberia, La)	5 NW;RR NE	27	40h L5 S6	73-91 oct.
Joseph H Sharpe (Natchez, Miss)	See Sharpe Airport under "New Facilities" - name changed			
KEESLER Army Range (Miss)	221 (DOX)	210°,2.9	BMRLZ	(4); 4220
KEESLER Tower (Miss)	201 (126.18)		CA	(4); 4220
(A) **Keesler** (Biloxi, Miss) (A)	2 WNW;bay N	26	66h L5 S5	100 oct. Rdo rqrd ngts
K-P (Covington, La)	1.6 NW;hwy adj	27	18 S2	80 oct. P-line E.
LAFAYETTE H Fac. (La)	227 (UG) (116.1)		MHTV	(4); 116.1, 122.1
Lafayette (La)	1.5 SE;RR W	40	50h L5 S5	80 oct. P-line S. Fld lgts on req.
Laurel (Miss)	3 SW;RR SE	231	55h L S6	80,91 oct. Lgts in emerg.
McComb (Miss)	1.3 NW	460	21 L3 S6	80, 91 oct. No bcn. Bndry lgts prior req. Obsts sur field.
McLaurin (Miss)	1 NNE;RR E			ABANDONED.
Menefee (New Orleans, La)	See Meraux-Neunez Arpk under "New Facilities" - name changed.			
MOISANT Tower (La)	278 (118.3, 126.18)		C (ILS)	(4); 122.5,118.3,126.18
[Moisant International] (N) (New Orleans, La)	11 W;riv 1 S	3	70h L6 S4	91,100 oct.
(P) Natchez (Miss)	7.1 ENE;RR S	271	50h	
NEW ORLEANS Range (La) (Moisant)	338 (NO) (116.1)	271°,3.2	SBRAZ-DTV	(3);116.1,122.1
NEW ORLEANS Tower (La) (NG) New Orleans (La)	382 (126.18)		CA	(4); 126.18
	6.5 NNE;RR S	8	40h L4 S4	91,100 oct.; 80-100 oct, 1-ech main NG..
NEW ORLEANS NAS Tower (N) New Orleans NAS (La) (N)	323 (142.74)		CN	(3); 142.74 (8-sunset)
(P) Opelousas (La)	4.6 N; on lake	7	34h S1	100 oct. Twr NE.
Picayune (Miss)	1.5 NE	35	18	Data unver.
	2.3 NNE;hwy W	92	19 S4	80 oct. P-line W
Pike Burden (Baton Rouge, La)	5 SE	35	50 S1	80 oct. Data unver.
Texaco (New Iberia, La)	2.6 N;hwy W			ABANDONED
* Tylertown Int,7,NO-LS (Miss)	6 SE;rd E	393	40 L3	
Ulmer (Brookhaven, Miss)	1.5 NNE;RR W	500	24 S4	73,80 oct. No sto. P-line
Winnsboro (La)	1.2 ESE;RR SW	80	22 S1	80 oct. W

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

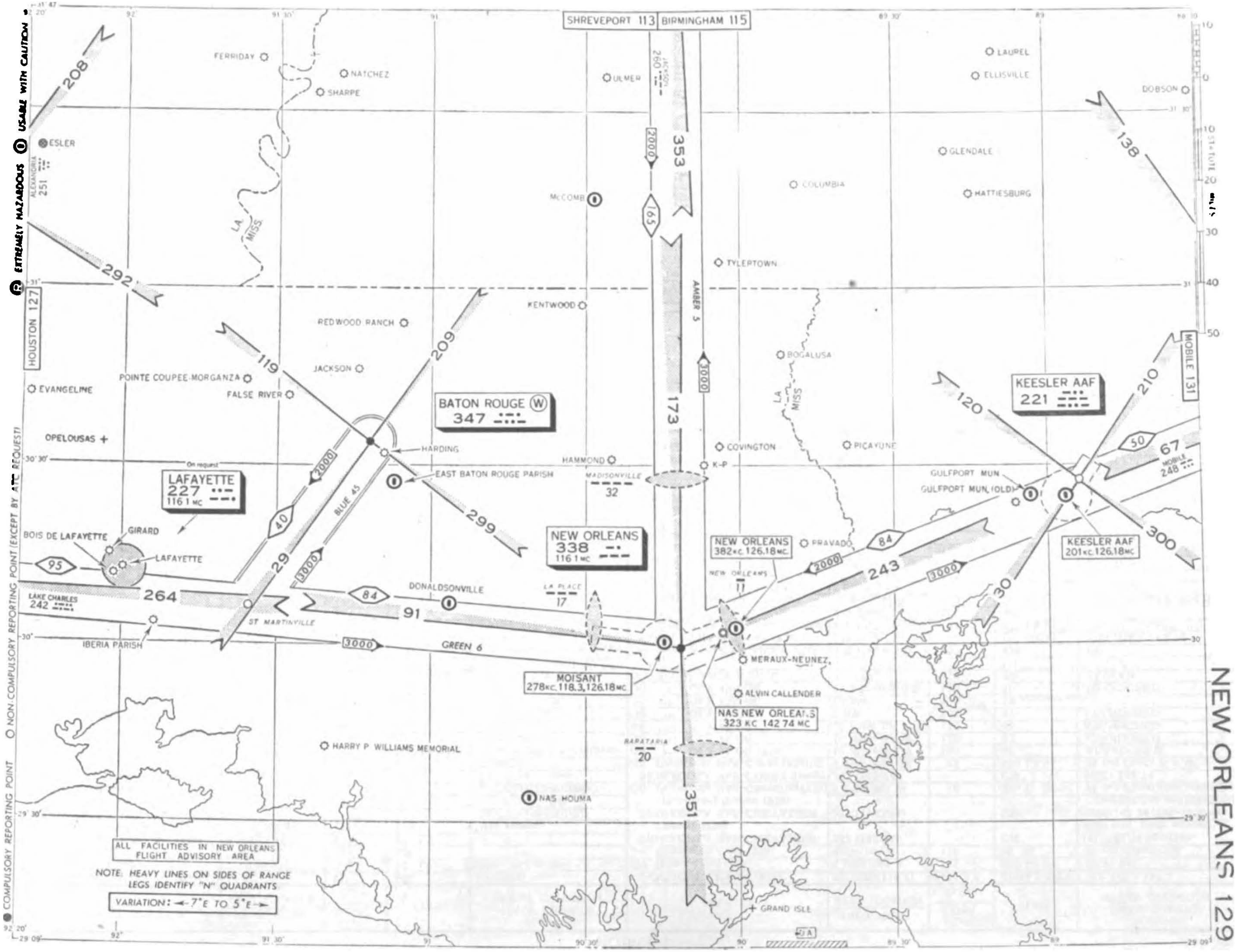
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MOISANT	109.9	333.8	99°	IM- ·····(0.05)	MM- -·-·- (0.67)	OM- - - (3.92)
					MMK-	OMK-254 ·-·-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

Pravado (Slidell, La)	1 W;hwy N	9	18 S1	80 oct
Kentwood (La)	0.4 N	100	15 S2	80 oct
Dobson (Bucatunna, Miss)	1 N;hwy W	185	22 S2	80 oct. Trees ENE, SSE.
Sharpe (Natchez, Miss)	1.8 ESE;RR S	27	26 S4	80 oct. N,W blkd NNW
Meraux-Neunez Arpk (New Orleans, La.)	5.2 E;riv S	1	25 S6	80 oct. P-lines S.
Bois de Lafayette (Lafayette, La)	2 SSW;bayou N	39	20	
Point-Coupee-Morganza (Morganza, La)	0.1 S;RR S	35	21	
Redwood Ranch (Wilson, La)	2 SSE;RR .5 E	256	21 S1	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


EXTREMELY HAZARDOUS ⓔ USABLE WITH CAUTION
SHREVEPORT 113
BIRMINGHAM 115
FERRIDAY
NATCHEZ
SHARPE
ULMER
LAUREL
ELLISVILLE
DOBSON
ESLER
ALEXANDRIA 251
McCOMB
GLENDALE
COLUMBIA
HATTIESBURG
TYLERTOWN
KENTWOOD
REDWOOD RANCH
JACKSON
POINTE COUPEE-MORGANZA
EVANGELINE
FALSE RIVER
BOGALUSA
BATON ROUGE (W) 347
KEESLER AAF 221
OPELOUSAS
HARDING
HAMMOND
EAST BATON ROUGE PARISH
MADISONVILLE 32
COVINGTON
K-P
PICAYUNE
GULFPORT MUN
GULFPORT MUN (OLD)
LAFAYETTE 227 116.1 MC
BOIS DE LAFAYETTE
GIRARD
LAFAYETTE
NEW ORLEANS 338 116.1 MC
NEW ORLEANS 382 KC 126.18 MC
PRAVADO
KEESLER AAF 201 KC 126.18 MC
LAKE CHARLES 242
DONALDSONVILLE
LA PLACE 17
NEW ORLEANS 11
ST MARTINVILLE
IBERIA PARISH
MOISANT 278 KC 118.3, 126.18 MC
MERAUX-NEUNEZ
ALVIN CALLENDER
NAS NEW ORLEANS 323 KC 142.74 MC
HARRY P WILLIAMS MEMORIAL
BARATARIA 20
NAS HOUMA
GRAND ISLE
MOBILE 248
ALL FACILITIES IN NEW ORLEANS FLIGHT ADVISORY AREA
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 7°E TO 5°E
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
On request
208
292
119
209
299
353
173
351
138
120
210
300
243
91
264
29
30
HOUSTON 127
MOBILE 131
LA MISS
AMBER 5
BLUE 45
GREEN 6
2000
3000
165
40
95
84
50
67
NEW ORLEANS

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS GUARDED, HRS OF OPERATION
(A) Alliance #4 (Marianna,Fla)(A)	14 SE	215	50h	CLOSED
Andalusia (Ala)	1.7 S;hwy W	340	18 S6	80 oct. P-line NW.
(P) Apalachicola (Fla)	2 W;RR N	19	53h	
* Atmore Int,16,NO-AG (Ala)	6 NW;at rd int.	287	31 L3	
(N) Bagdad OLF (Pensacola,Fla)(N)	14 NE;RR SE	111	18h	Use rnwys.
BARIN NAAS (EAST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-East (Foley,Ala)	2.7 ESE	51	41h	CLOSED (N)
BARIN NAAS (WEST) Tower (Ala)				DECOMMISSIONED.
(N) Barin NAAS-West(Foley,Ala)	2.7 ESE	72	34h	CLOSED (N)
(A) Fascomb (Fla) (A)	3.5 NE	120	50h	CLOSED.
← [Bates] (Mobile, Ala)	10 W;rd N,S	217	50h L5 S6	80,91 oct No flood lgts; ctc lgts on req.
(P) Brewton (Ala)	3.5 S;riv N	92	40h	Cattle on fld.
Brewton (old)(Ala)	2.5 N;hwy E			ABANDONED
(N) Bronson NAAS (Pensacola,Fla)	12 WSW;bay W	27	44h	CLOSED (N)
BROOKLEY Tower (Mobile,Ala)	281 (126.18)+		CA	(4); 126 18
(A) Brookley (Mobile,Ala) (A)	3 SSW;RR NW	26	89h L5 S4	62.73.100 oct. IF-1.
(N) Canal OLF (Foley,Ala)(N)	8 S;rd W	16	36h	FOREIGN CLEARING STN.
Carabelle Flgt Strip (Fla)	2.6 W;hwy S	20	40h	NNW
Chastain's (Prichard, Ala)	2.5 NW;hwy E	50	19 S6	80 oct. SSE blkd, Trees SW
Chipley (Fla)	3.2 SE;RR N	100	26 S6	80 oct. S blkd. Trees N.
(N) Choctaw OLF (Pensacola,Fla)	15 ENE	111	40h	(N)
City Air Park (Panama City)	2.5 N	40	26 S6	80,91 oct Data unver (Fla)
CRESTVIEW Range (Fla)	350(HW)(116.1)	263°, 2.6	SBRAZ-DTV	(4);116.1.122.1
Crestview, 21, NO-JX (Fla)	2.5 N;RR E	274	33 L2 S6	80 oct.
Davis (Mobile, Ala)	13.5 SW;bcn N	180	17 S6	80 oct.
De Funiak Springs (Fla)	1 W;hwy N	197	25 S6	80 oct Obst sur fld.
Donalsonville (Ga)	1.5 S	150	40h	
DOTHAN Range (Ala)	233(NT)(116.1)	47°, 3.7	SBRAZ-DTV	(4); 116.1
Dothan (Ala)	3 WNW;hwy SE	330	40h L5 S6	80,91 oct No sto. No flood lgts.
← EGLIN Army Range (Fla)	209 (DVQ)	175°, 3.6	BMRLPZ	Range cont.; (3); 126.18 (6-24)
← EGLIN Tower (Fla)	278 (126.18)+		CA (GCA)	(3); 126 18 (6-24)
(A) Eglin (Valparaiso,Fla)(A)	1.8 SW;hwy SE	71	80h (L5) S4	73,100 oct JP-1 No sto.
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
Ellis (Marianna, Fla)	9.5 N;riv W	116	50h	CLOSED
(N) Ellyson NAAS (Pensacola,Fla)	7.5 NNE;bay E	115	38h	CLOSED (N)
Enterprise (Ala)	0.5 N;hwy W	355	23 S6	80 oct, Trees W, SW.
(N) Faircloth OLF (Lillian,Ala)(N)	3 NW;bay E	70	34	All appchs partly blkd.
Geneva (Ala)	2.4 NW;hwy S	88	23 S4	80 oct RR S
Gulf Airpark (Pensacola,Fla)	See Airpark (Pensacola, Fla.) under "New Facilities"-name changed.			
Headland (Ala)	2 NE;hwy N	350	48	
(N) Helm OLF (Pensacola,Fla)(N)	12 NW			ABANDONED.
(N) Holley OLF (Fla) (N)	1.5 S;riv N	37	36h	
Jackson Co. (Pascagoula,Miss)	3.5 ENE	16	45h S6	80,91 oct.
(N) Kaisers Tract OLF (Elberta, Ala) (N)	3.3 ENE;hwy S	90	20	Trees NE,S,W
Luverne (Ala)	1.7 NNW;hwy SW	300	20 S4	80 oct. P.line W,E blkd.
(N) Magnolia OLF (Foley,Ala)(N)	5.4 NW	83	29h	
(A) Malone #2 (Marianna,Fla)(A)	15.5 N	154	50h	CLOSED.
(P) [Marianna](Fla)	6 NE;hwy E	112	50h L5 S6	80,91 oct.
(P) Middleton (Evergreen,Ala)	6 WSW;hwys .3 E	258	40h L1	
(P) Milton "T" (Fla)	3.5 ENE;RR S	150	53 S6	80 oct. E,S,W blkd.
MOBILE Range (Ala)(Brookley)	248(MS)(vhf)	138°,3.2	SBRAZ-DTV	(3);116.1,122.1
(P) Napier (Dothan, Ala)	7.5 NW;RR S	397	45h	
(A) Ozark AAF (Ala) (A)	12 SSW	305	46h	TMP INACT NO FACS.
Panama City (Fla)	5 NW ;bay W	4	19 S4	80,91 oct.

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR & DIST / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
PENSACOLA Range (Fla)	326(KH)(116.1)	340°,2.1	SBRAZ-DTV	(4); 116.1,122.1
(P) [Pensacola] (Fla)	4 NNE;bay E	121	50h L5 S6	80,91 oct.
← Pensacola Arpk (Fla)	4 NW;hwy E	110	34 S1	80 oct Allway fld.
PENSACOLA NAS-CHEVALIER Tower (Fla)	382 (142.74)		CN	(4); 142 74 (sunrise-30 min. after sunset)
PENSACOLA NAS-CHEVALIER (Seaplane) Tower (Fla)	2870 (142.74)		CN	3105;142 74 (730-1630 except Sat,Sun,and holidays)
(N) Pensacola NAS-Chevalier(Fla)	5.3 SW;RR W	9	26h L S6	91 oct Flood,obst lgts.(N)
PENSACOLA NAS-CORRY Tower	341 (142.74)		CN	3105; 142.74
(N) Pensacola NAS-Corry (Fla)(N)	5 WSW;hwy SE	32	43h L4 S6	91 oct Obsts N,E,W.
(N) " OLF #1 (N) (Fla)	14 NW;riv 3 W	100	46	ABANDONED.
(N) " OLF #5 (N)	10 NNW;RR W	115	57	ABANDONED.
(N) " OLF #6 (N)	10 NNW;RR E	110	48	ABANDONED.
(N) " OLF #7 (N)	7 NW	103	37	ABANDONED.
(N) " OLF #8A (N)	13 NW	100	73	
(N) " OLF #9K (N)	11.5 NNW;RR E	110	50	ABANDONED.
(A) Reynoldsville (Ga) (A)	0.9 SSW	110	30h	CLOSED.
(N) Santa Rosa OLF (Milton,Fla)	6 E;rivs N,S,W	150	45h	(N)
SAUFLEY NAAS Tower (Fla)	275 (142.74)		CN (GCA)	3105,4495; 142.74
(N) Saufley NAAS (Pensacola,Fla)	8.5 WNW;bay SW	85	61h L5 S4	100 oct. NATS. (N)
(N) Silverhill OLF (Ala) (N)	3.5 WNW	129	30h	
Skyland (Panama City,Fla)	Within city W	12	20 S6	80 oct No sto. P-line S.
Southern Airmotive (Dothan)	2 SE;hwy SW			ABANDONED.
(N) Spencer OLF (Pensacola,Fla)	15 NNE;bay S	145	18h	(N)
(N) Summerdale OLF (Ala) (N)	3.5 ENE;RR W	129	29h	CLOSED
TYNDALL Army Range (Fla)	203 (DKE)	313°, 2.8	MRLZ	(3); 126.18 (V, 6-24)
TYNDALL Tower (Fla)	272 (126.18)		CA	(3); 126.18 (6-24)
(A) Tyndall (Panama City,Fla)(A)	8 SE;Gulf SW	16	61h L5 S6	73,91,100 oct.
WHITING Navy Range (Fla)	524 (AWT)	130°, 3.2	MRLWZ	
WHITING NAS-NORTH Tower	269 (142.74)		CN	3105,4495; 142.74 (Fla)
(N) Whiting NAS-North (Milton,Fla)	6 N	200	60h (L6) S4	73,91,100 oct. (N)
WHITING NAS-SOUTH Tower				DECOMMISSIONED
(N) Whiting NAS-South (Milton,Fla)	5 N	178	60h	Use N Fld INACTIVE.(N)
(N) Wolf OLF (Elberta,Ala). (N)	5.8 SE	54	30h	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

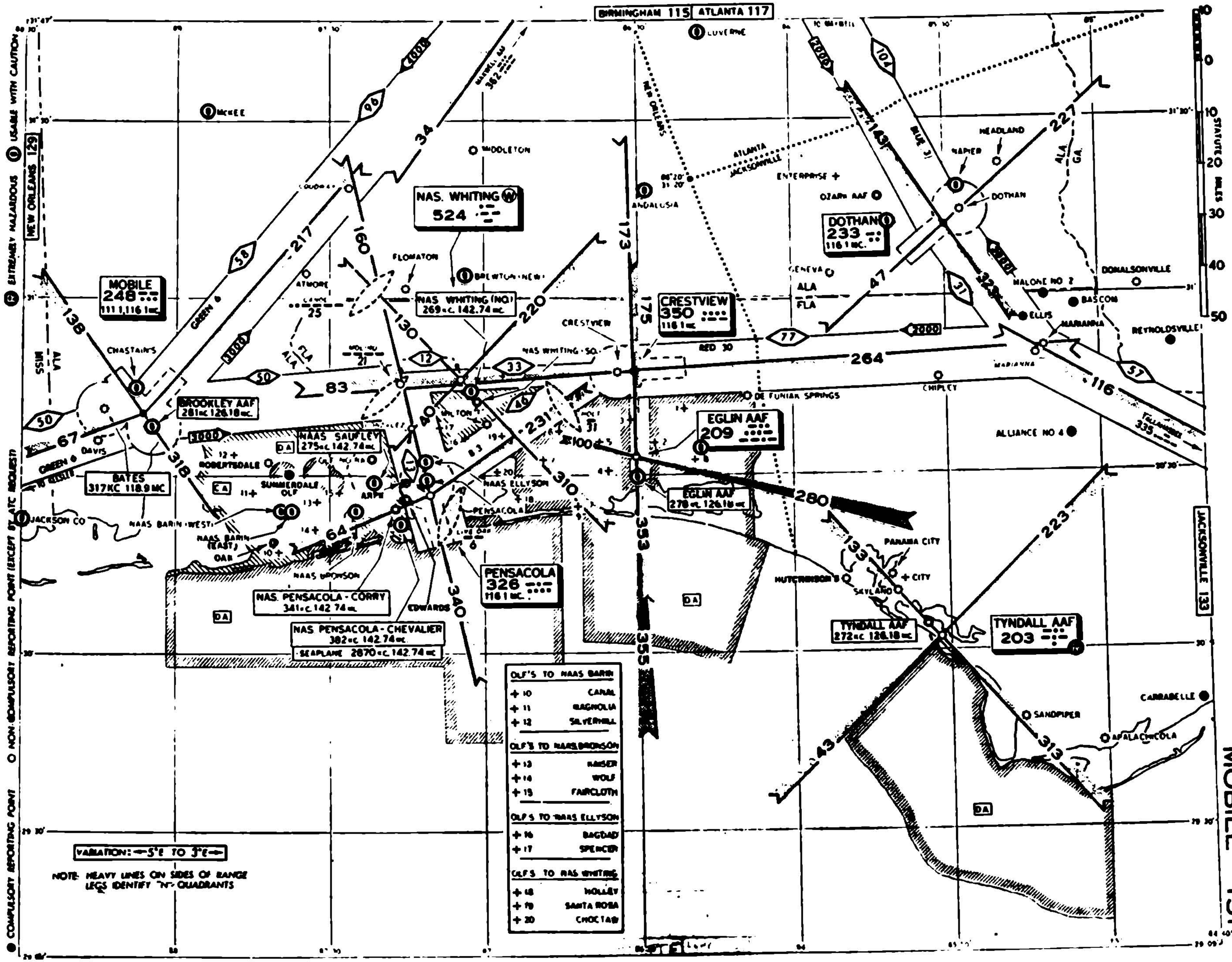
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

NEW FACILITIES

BATES tower(Ala)	317(118.9)		C	(4);118.9,122.5 prior req.
Flomaton (Ala)	2 NNE;RR 1 E	240	16 L S4	80 oct. T-line W.Strip lgts
Hutchinson's Avia.Port	9 5 WNW	10	19 S4	80,91 oct.P-line S(Panama
Sandpiper(Port St Joe,Fla)	1 E	20	22 S6	80 oct City,Fla.)
Headland (Ala)	2 ENE;hwy NW	350	48 S1	80 oct.
Oak (Foley,Ala.)	6 S;riv W	35	20 S6	80 oct. Trees E.
McKee (Jackson,Ala)	1.1 N;hwy E	60	17 S2	80 oct.S blocked.
Robertsdale (Ala)	1.3 E;RR W	142	19 S4	80 oct.P-line E.
Airpark (Pensacola,Fla.)	4.5 WNW;hwy SW	70	20 S1	80 oct.
Edwards (Pensacola, Fla.)	3 W;RR W	70	30 S6	80 oct.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A A C S. Scheduled Broadcast on 4766 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)
→ New or revised data. [Jones] - Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.


BIRMINGHAM 115
ATLANTA 117
NEW ORLEANS 129
MOBILE 131
MOBILE 248
111 1,116 mc
NAS. WHITING 524
NAS WHITING (NOL) 269 kc 142.74 mc
CRESTVIEW 350
116 t mc
DOTHAN 233
116 t mc
EGLIN AAF 209
BROOKLEY AAF 281 kc 126.18 mc
NAAS SAUFLEY 275 kc 142.74 mc
BATES 317 KC 118.9 MC
PENSACOLA 326
116 t mc
NAS PENSACOLA - CORRY 341 kc 142.74 mc
NAS PENSACOLA - CHEVALIER 382 kc 142.74 mc
SEAPLANE 2870 kc 142.74 mc
EGLIN AAF 278 kc 126.18 mc
TYNDALL AAF 272 kc 126.18 mc
TYNDALL AAF 203
MIDDLETON
ANDALUSIA
ENTERPRISE
OZARK AAF
DOTHAN
HEADLAND
NAPIER
GENEVA
ALA
FLA
DONALSONVILLE
MALONE NO 2
BASCOM
ELLIS
MARIANNA
REYNOLDSVILLE
CHIPLEY
DE FUNIAK SPRINGS
ALLIANCE NO 4
CHASTAINS
ATMORE
FLOMATON
BREWTON (NEW)
CRESTVIEW
NAS WHITING - SQ.
ROBERTSDALE
SUMMERDALE OLF
ARPIE
NAAS ELLYSON
PENSACOLA
NAAS BARIN - WEST
NAAS BARIN (EAST)
OAR
NAAS BRONSON
EDWARDS
JACKSON CO
PANAMA CITY
+ CITY
SILVARO
HUTCHINSON'S
SANDPIPER
APALACHICOLA
CARRABELLE
JACKSONVILLE 133
ATLANTA JACKSONVILLE
NEW ORLEANS
MARSHALL AM 362
LOUVERNE
McKEE
GREEN
DAVIS
ALA
MISS
ALA GA
FLA ALA
RED 30
BLUE 31
OLF'S TO NAAS BARIN
+10 CANAL
+11 MAGNOLIA
+12 SILVERHILL
OLF'S TO NAAS BRONSON
+13 KAISER
+14 WOLF
+15 FAIRCLOTH
OLF'S TO NAAS ELLYSON
+16 BAGDAD
+17 SPENCER
OLF'S TO NAS WHITING
+18 HOLLEY
+19 SANTA ROSA
+20 CHOCTAW
VARIATION: 5°E TO 3°E
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
STATUTE MILES
0
10
20
30
40
50

JACKSONVILLE

FACILITY	FREQ., IDENT / ARPT LOCATION	BEAR & DIST / ELEV	CLASS	REMARKS FREQS. GUARDED, HRS OF OPERATION
ALBANY Range (Ga) (Turner Aux. Field #1)	254(GY)(116.1)	298°,2.3	BMRLZ-DTV	(4); 116.1,122.1 (DTV stn lctd at Albany Arpt)
[Albany] (Ga)	4 SW;RR N	196	49h L5 S6	80,91 oct.
ALMA Range (Ga)	242(AJ)(116.1)	144°,2.2	SBRAZ-DTV	(4); 116.1, 122.1
Alma,Site 43,MM-AG (Ga)	2.5 W;hwy N	200	43 L3 S1	80 oct.P-line NW
Ashburn (Ga)	1.5 SE;RR,hwy W	430	18 S2	80 oct
(A) Babcock (Boykin,Ga) (A)	3.5 ENE	145	30h	CLOSED
Bainbridge (Ga)	7 NNW;RR NE	141	50h S6	80 oct.
(A) Bemiss #3 (Valdosta,Ga)(A)	12 NE;hwy SE	198	50	TMP INACT.NO FACS
(N) Bostwick OLF (Fla) (N)	1 NW;RR E	53	34	CLOSED
Bowser (Baxley, Ga)	2.5 S;hwy W;RR N	205	21 S1	80 oct.
Bradenton (Fla)	0.5 S;RR NE	20	24 S1	80 oct Trees W;poles SW
(N) Branan OLF (Jacksonville,Fla)	14.5 SW	73	40h L	B-2 lgts (N)
BRUNSWICK H Fac. (Ga)	230 (BS)(116.1)		MHTV	(4), 116 1, 122 1
Brunswick Arpk (Ga)	2.5 NNE;RR W	14	26 S2	80,91 oct Trees NE
Bunnell (Fla)	3.3 E	34	50h	
Cairo-Grady Co. (Ga)	3.3 ENE	245	21	Trees SW,W
Camilla (Ga)	2.2 WSW;hwy N	180	39 S4	80,91 oct
CECIL NAAS Tower (Fla)	201 (142 74)		CN	3105;142 74 (Flying hrs)
(N) Cecil NAAS (Jacksonville,Fla)(N)	16 WSW;hwy NW	80	50h L5 S4	100 oct Trees sur fld
Civil Air Patrol (Waycross,Ga)	2.6 WSW;RR N	140	22 S6	80 oct
Commodore Decatur (Bainbridge)	2 WNW;hwy N	103	40h S1	80 oct (Ga)
Conway Arpk (Starke, Fla)	1 W;RR E	165	20 S1	80 oct Obsts sur fld.
Cook County (Adel, Ga)	1.3 W;hwy N,S	220	40h S6	80,91 oct SW blkd
Craig (Jacksonville, Fla)	9 E;riv N	41	40h L5 S6	80,91 oct
CROSS CITY (AAF) Range (Fla)	269(FC)(116.1)	315°,2.7	SBMRAZ-DTV	(4), 116 1, 122 1
(A) Cross City AAF (Fla) (A)	1 SE;RR SW	42	50h L4	CLOSED
DALE MABRY Tower (Fla)	281 (118.3,126.18)		C	(4), 126.18,118.3,122.5
(P) [Dale Mabry] (Tallahassee,Fla)	3 W;RR S	70	53h L5 S6	80,91 oct.
Darien (Ga)	0.8 SE;riv S	30	14 S1	Ltd 80 oct. Trees W.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) [Daytona Beach] (Fla)	2.8 SW;hwy S	34	41h L5 S6	80,91 oct.Ctc & rnwy lgts
(P) Fernandina (Fla)	4 S;ocean E	15	52h S6	80 oct.] on req.
Fitzgerald (Ga)	2 SSW;RR W,E	365	21 S4	80 oct Trees SSW.
(N) Flemings Island OLF (Jacksonville, Fla) (N)	17 SSW	23	40h L	B-2 lgts
* Folkston Int,37,MM-AG (Ga)	0.7 WNW;hwy E	82	20 L3	P-line NE,SW,NW
[Gainesville Mun.] (Fla)	4.5 NE;RR W	155	50h L5 S4	80,91 oct Lgts prior req
GLYNCO NAF Range (Ga)	520(NEA)	239°,0.3	MRLZ	3105,6390 (V-0730-16)
GLYNCO NAF Tower (Ga)	317 (142.74)		CN	3105,4495;142 74(0730-16
(N) Glynco NAF (LTA)(Ga) (N)	6.4 N Brunswick	25	38h L1 S4	91,100 oct Hwy SE
(A) Harris Neck AAF (Ga) (A)	7 E S.Newport	22	54h	CLOSED
Hart (Jacksonville, Fla)	6,5 W;RR S	20	40 S6	80,91 oct.Trees sur fld.
Homerville Flight Strip (Ga)	1.7 NW;hwy NE	185	40h	
Hurst (Live Oak, Fla)	2,5 SW;rd NW	105	26 S6	80 oct P-line N,NW.
Jacksonville Mun. #3 (Fla)	9 SW;hwy adj	87	40h S2	80,91,100 oct on req.
JACKSONVILLE Range #1 (Fla)	344(JX)(116.1)	269°,1.7	SBRAZ-DTV	(3); 116 1, 122 1
JACKSONVILLE #1 Tower (Fla)	278 (126.18,118.5)	AC	(ILS)	(4); 122.5,126 18,118.5
(P) [Jacksonville #1] (Fla)	6,3 N;RR W	52	71h L6 S6	80,91 oct.Hangar W.
JACKSONVILLE NAS Range (Fla)	365 (NIP)	89°, 3.1	MRLZ	
JACKSONVILLE NAS Tower (Fla)	323 (126.18,142.74)		CN	(3); 126.18,142.74
JACKSONVILLE NAS (Seaplane) Tower (Fla)	2870		CN	2870.3105 (avail during working hrs.& 1 hrs adv.
(N) Jacksonville NAS (Fla) (N)	7.2 S;riv E,N	20	60h L5 S6	91,100 oct NATS notice)
Jasper, 43,NO-IX (Fla)	3.5 SSE;RR NE	148	36 L3 S1	80 oct Poles W
Jesup (Ga)	2.3 NE;RR E	100	26	50' trees ends all strips
(P) Kay Larkin (Palatka, Fla)	3 NW;RR S	56	50h L5 S1	80,91 oct.
(A) Keystone (Keystone Hgts,Fla)(A)	4.5 NNW;RR W	192	50h	CLOSED
(N) Lake Butler OLF (Fla) (N)	2 SSW;RR NW	131	60h	CLOSED
Lake City (Fla)	3.7 ESE;RR S	201	67h S6	80 oct.Engine rprs only
Lake Jackson (Tallahassee,Fla)	9 NNW;riv NW	250	26 S4	80 oct Obsts sur fld
(A) Lake Park #2 (Ga) (A)	1 SSW;hwy N	220	48	TMP INACT.NO FACS
LEE OLF GCA (Fla)			GCA	Contact Navy Jacksonville Tower or Radio
(N) Lee OLF (Green Cove Spgs,Fla)(N)	2.2 SE;riv N	22	51h	
Malcolm-McKinnon (Brunswick) Ga)	6 E	19	41h L5 S6	80,91 oct Lgts on req.No bndry or flood lgts
(CG) Mayport CGAS (Fla) (CG)	0.6 NNE,riv N	16	43h	INACTIVE
(N) Middleburg OLF (Fla) (N)	3 NNE;rds E,SE	34	32	CLOSED
(P) Montbrook (Williston,Fla.)	3.2 SSW;hwy E	70	70h	
Monticello (Fla)	1.5 SW;hwy E	160	25	
(A) Moody (Valdosta, Ga) (A)	11.5 NNE;RR W	233	50h	TMP INACT.NO FACS
(A) Moultrie (Ga) (A)	7 S;RR,hwy W	287	40h	
Nashville (Ga)	1.3 ENE;RR S	236	31 S4	80 oct NE,SW blkd
Northside (Moultrie, Ga)	3.2 NNW,RR W	300	30 S4	80 oct No sto
Ormond (Fla)	3.5 WNW;RR N	29	40h S4	80 oct Ctn,stock on fld
(P) Perry (Fla)	3.2 S;RR E	45	50h S4	80,91 oct
Pierson Memorial (Fla)	0.5 N;hwy,RR W	70	21	
Quincy (Fla)	1.5 NE;hwy S	212	35 S6	80 oct. SE,WSW blkd
Quitman Flgt Strip (Ga)	2.4 NW;pond 0.5 E	180	18	
(A) Rocky Ford #1 (Valdosta,Ga)(A)	16 SW;hwy N	220	47h	CLOSED.
St. Augustine (Fla)	4 NNW;hwy W	10	42h S6	80,91 oct
St Marys (Ga)	1 7 NNW;riv S	24	50h	Cattle on fld
Sawyer (Palatka, Fla)	2.6 SW;riv 2 S	60	25 S4	80 oct
Silver Springs Aero Lodge(Fla)	0.3 W,RR 1 WSW	75	26 S1	80 oct.P-lines SE,S Lgt
Sky Haven (Albany, Ga)	1.5 SSW;hwy E	200	26 S4	80 oct.P-] planes only line WNW.
(P) So.Georgia College (Douglas,Ga)	1.3 S;RR W	255	60 S6	Pwrline E
Spence (Moultrie, Ga)	5 SE;hwy W	292	50h S6	80,91 oct
Stengel (Gainesville,Fla)	4 WSW;RR SE	70	47 S6	80,91 oct
(N) Switzerland OLF (Fla)(N)	1.5 SE	31	40h	CLOSED.
TALLAHASSEE Range (Dale Mabry)	335(TJ)(116.1)	85°,2.7	SBRAZ-DTV	(3); 116 1,122 1 (Fla)
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct No floodlgts
Tennile (Fla)	2.2 SSW;rd E	35	20	Trees SW
Terrell Co (Dawson, Ga)	2 SE;hwy N	353	21	INACTIVE S blkd
(P) Thomasville (Ga)	7 5 NE,hwy S	264	50h S1	91 oct.
Thomasville com. (Ga)	1 SW;RR N	250	42 S2	80 oct P-lines NW
Three "B" (Fitzgerald, Ga)	1.5 N	515	27 S6	80,91 oct.
Tifton Mun. (Ga)	2.3 SE;hwy W	343	50h L5 S6	80,91 oct.Lgts prior req
(A) Turner (Albany, Ga) (A)	4 ENE;riv N	215	76h	TMP INACT.NO FACS
Vada (Ga)	1.5 WNW,hwy E	140	40h	CLOSED
[Valdosta] (Ga)	3.7 S;RR W	226	56h L5 S1	80 oct Lgts prior req No flood lgts
(A) [Waycross AAF (Ga) (A)	4 NW;hwy E	141	50h	CLOSED.
(N) Whitehouse OLF (Jacksonv'l,Fla)	13 W;RR S	102	40h L	B-2 lgts (N)
Williams (Jacksonville,Fla)	3.3 WNW;RR E	25	18 S6	80 oct P-line E
Witt (Lake City, Fla)	2 WSW;hwy S	200	36 S4	80 oct No sto

INSTRUMENT LANDING SYSTEMS

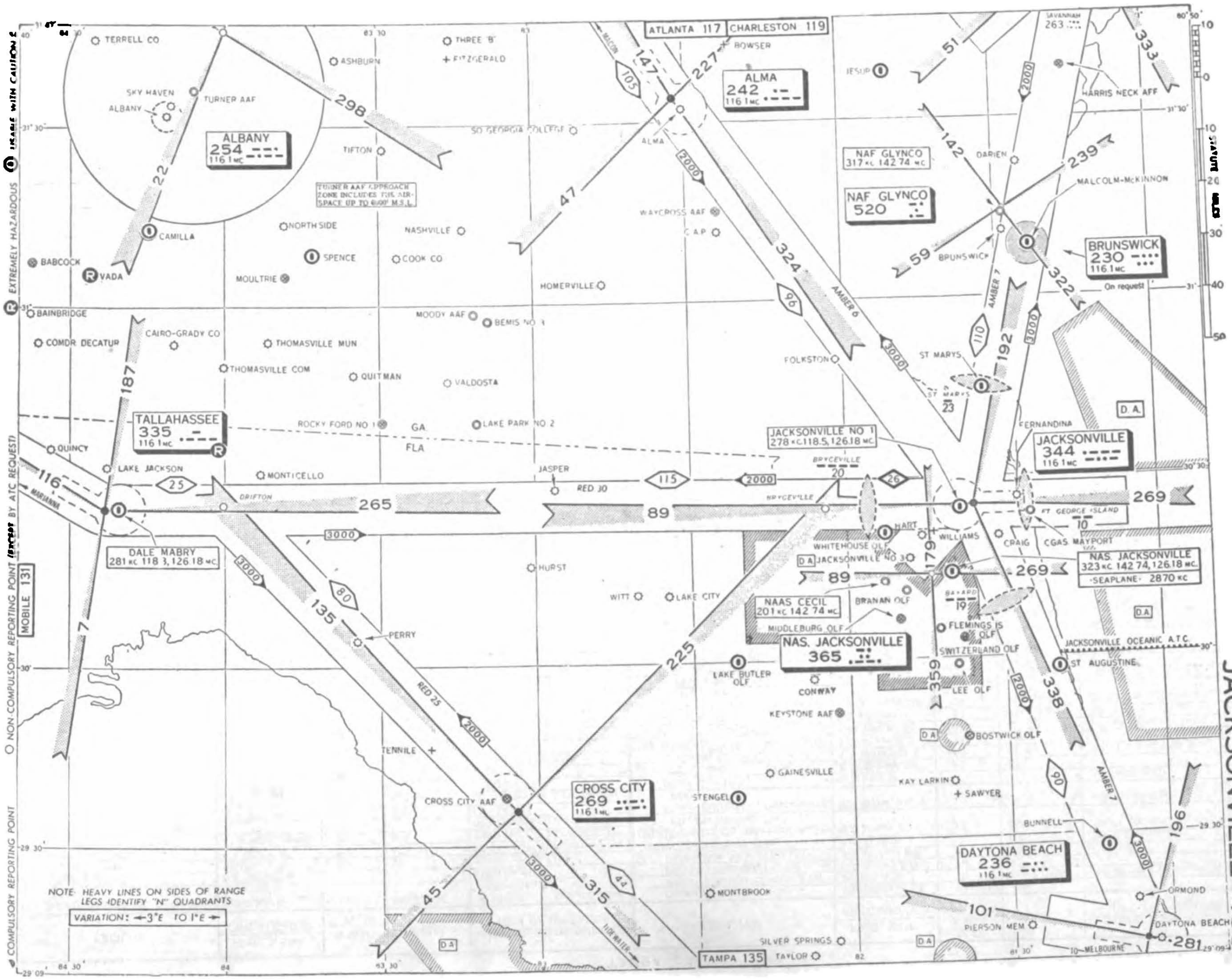
(Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
JACKSONVILLE	110.3	335	44°	MM- (0.66)	OM- (4.60)
				MMK 209	OMK-251
				MM-	OM-
				MMK	OMK-

NEW FACILITIES

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 127.65, 149.59 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII) → New or revised data. [Jones] - Airline Stop. N B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


ATLANTA 117
CHARLESTON 119
ALBANY 254 116.1 MC
ALMA 242 116.1 MC
NAF GLYNCO 317 KC 142.74 MC
NAF GLYNCO 520
BRUNSWICK 230 116.1 MC
On request
TALLAHASSEE 335 116.1 MC
JACKSONVILLE NO 1 278 KC 118.5, 126.18 MC
JACKSONVILLE 344 116.1 MC
DALE MABRY 281 KC 118.3, 126.18 MC
NAS. JACKSONVILLE 323 KC 142.74, 126.18 MC SEAPLANE 2870 KC
NAAS CECIL 201 KC 142.74 MC
NAS. JACKSONVILLE 365
CROSS CITY 269 116.1 MC
DAYTONA BEACH 236 116.1 MC
TAMPA 135
TURNER AAF APPROACH ZONE INCLUDES THIS AIRSPACE UP TO 6000' M.S.L.
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 3°E TO 1°E
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT
COMPULSORY REPORTING POINT
MOBILE 131
JACKSONVILLE 133
TERRELL CO
ASHBURN
THREE B
FITZGERALD
SKY HAVEN
ALBANY
TURNER AAF
SO GEORGIA COLLEGE
TIFTON
ALMA
BOWSER
IESUP
DARIEN
HARRIS NECK AFF
MALCOLM-McKINNON
BRUNSWICK
WAYCROSS AAF
CAP
CAMILLA
NORTH SIDE
NASHVILLE
SPENCE
COOK CO
BABCOCK
VADA
MOULTRIE
HOMERVILLE
BAINBRIDGE
MOODY AAF
BEMIS NO 1
COMDR DECATUR
CAIRO-GRADY CO
THOMASVILLE MUN
THOMASVILLE COM
QUITMAN
VALDOSTA
FOLKSTON
ST MARYS
ROCKY FORD NO 1
GA
FLA
LAKE PARK NO 2
QUINCY
LAKE JACKSON
MONTICELLO
JASPER
RED 30
BRYCEVILLE
FERNANDINA
DRIFTON
MARIANNA
HART
WILLIAMS
WHITEHOUSE OLF
CRAIG
CGAS MAYPORT
FT GEORGE ISLAND
HURST
WITT
LAKE CITY
BRANAN OLF
MIDDLEBURG OLF
FLEMINGS IS OLF
SWITZERLAND OLF
JACKSONVILLE OCEANIC ATC
ST AUGUSTINE
PERRY
LAKE BUTLER OLF
CONWAY
LEE OLF
KEYSTONE AAF
BOSTWICK OLF
TENNILE
GAINESVILLE
CROSS CITY AAF
KAY LARKIN
SAWYER
STENGEL
BUNNELL
MONTBROOK
ORMOND
PIERSON MEM
DAYTONA BEACH
SILVER SPRINGS
TAYLOR
MELBOURNE
HIGH WATER
AMBER 6
AMBER 7
RED 25
D.A.

TAMPA

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV	CLASS	REMARKS; FREQS. GUARDED, HRS. OF OPERATION
(P) Albert Whitted (St. Petersburg, Fla)	2.5 E;bay E	6	33h L3 S6	80,91 oct. Coast Gd.Stn adj. Poles SW.
Altoona (Fla)	0.6 NW;RR E			ABANDONED.
Arcadia (Fla)	2 SE;hwy W	60	30	Trees around fld.
Avon Park (Fla)	1.5 W;RR E	156	40h S4	80,91 oct. P-line S;trees sur fld.
(A) Avon Park AAF (Fla) (A)	11 ENE;lake NW	65	54h	TMP IN/CT.NO FACS.
BANANA RIVER Navy Range(Fla)				DECOMMISSIONED
BANANA RIVER NAS Tower(Fla)	224 (142.74)		CN	(3); 142.74
(N) Banana River NAS (Fla)(N)	11 SE Cocoa	9	40h L5 S6	91 oct.No bcn Lgts on req.
Barberville (Fla)	1 SE;bet RR & rd			ABANDONED
(P) Bartow (Fla)	5.5 NE;RR NW	124	50h S4	80,91 oct.
Bradenton (Fla)	0.5 S;RR E.	20	24 S6	80 oct.Obst sur fld.
(A) Brooksville AAF (Fla) (A)	7.5 SW;hwy E	70	70h	CLOSED.
Bunnell (Fla)	3.5 E;lk SW	34	50h	
Cannon Mills (Orlando, Fla)	3.8 E;arpt W	105	41 L S6	80 oct. Flood,obst lgts on req.
Carlstrom (Arcadia, Fla)	7 SSE;hwy N			ABANDONED Obst sur fld.
Cedar Keys (Fla)	1 W;bay S	6	25h	
Clearwater (Fla)	2.5 NE;hwy S	73	30 S6	80,91 oct. Trees W,NE,SW,
Cocoa (Fla)	1 NW;RR E	20	25 L1 S1	80 oct.Obst sur fld. NW
(P) Conners (Okeechobee, Fla)	2.5 NW;RR S	34	50h S1	80 oct.
DAYTONA BEACH Range (Fla)	236(DB)(116.1)	101°,2.1	BMLZ-DTV	(4); 116.1, 122.1
(P) [Daytona Beach],(Fla)	2.8 SW;hwy S	34	41h L5 S6	80, 91 oct.
Deland (Fla)	2.5 NNE;hwy N	80	60h L5 S6	80,91 oct.Trees NE.
Dorr (Arcadia, Fla)	11.5 E;hwy N			ABANDONED
DREW Tower (Fla)	278 (126.18, 118.5)		AC	(4); 126.18,118.5,122.5 No bndry lgts.
(P) [Drew] (Tampa, Fla)	5 W;bay 1.5 SW	26	70h L5 S4	80,91,100 oct.Rdo rec rqrd.
(A) Dunnellon AAF (Fla) (A)	4.5 E;hwy S	66	50h	CLOSED.
Ellenton (Fla)	1.5 NNW;RR N	18	24 S6	80,91 oct.P-line NE.
(P) Fette Aircraft Service (Fla)	See Venice Mun (Fla.) under "New Facilities"-name changed.			
Fort Pierce, com. (Fla)	3.3 SSE;RR E	19	25 L3 S6	80 oct. P-line W. N,W,NW blkd.
(P) Fort Pierce, mun. (Fla)	3.5 NW;hwy E	24	50h	
Frank D. Waterman (Eustis, Fla)	0.9 SSW;lake NW	81	23 S2	80 oct. Obst sur fld.
Gilbert (Winter Haven, Fla)	3.5 NNW;lake W,	135	40h S6	80, 91 oct.
Gray's (Leesburg, Fla)	5 N;RR,hwy W	130	27 S6	80 oct. Orange groves W.
Haines City (Fla)	1 NW	175	20 L1	
(P) Hendricks (Sebring, Fla)	See Sebring Air Terminal under "New Facilities"- name changed.			
Hidden Acres (Clarcona, Fla)	1.5 WNW;lake W	93	27 S5	80 oct. E blkd.
(A) Hillsborough AAF (Tampa, Fla)	7 NNE	67	50h	CLOSED (A)
Hoequist (Orlando, Fla)	3.8 SW; hwy E	90	20 S4	80 oct. s E.
Honeymoon Island (Dunedin)	2.5 W		30	Data unver. (Fla)
Kerlin (Minneola, Fla)	0.5 NE	100	18 S2	80 oct.
(P) Kissimmee (Fla)	2 W; RR N	82	50h L5 S4	80,91 oct.No bndry,flood.
Lakeland AAF (Fla)	See Drane under "New Facilities"- name changed.			
[Lakeland Mun. #1] (Fla)	2.8 N;lake E	159	35h L5 S6	80,91 oct.Ctc lgts on prior req. till 2400.
Lake Wales (Fla)	2.3 WSW;RR N	125	40h L3 S6	80, 91 oct.
(A) Leesburg AAF (Fla) (A)	4 ENE;RR SE	67	50h	CLOSED.
Ludwig Sky Harbor (St.Petersburg, Fla)	See Sky Harbor Airport under "New Facilities" - name changed.			
MAC DILL Tower (Fla)	227 (126.18)+		CA (ILS-W)	(3); 126.18, :00,20(GCA)
(A) MacDill (Tampa, Fla) (A)	8 SSW;bay NE	9	100h L5 S6	73-100 oct.JP-1.No sto.
(N) Malabar OLF (Fla) (N)	7 WNW	27	40h	FOREIGN CLEAR.STN.
MELBOURNE Range (Fla)	257 (OU)(116.1)	158°, 2.3	SBRAZ-DTV	(4); 116.1, 122.1 SW.
Melbourne-Eau Gallie (Fla)	2.2 NW;RR E	26	43h L5 S6	80,91 oct. Lgts on req.Trees
(P) Montbrook (Williston, Fla.)	3.2 SSW;hwy E	70	70h	
New Smyrna (Fla)	3 NNW;RR W	12	50h S6	80,91 oct.
ORLANDO Range (Fla)	206(OR)(vhf)	220°,3.4	BMRLZ-DTV	(3); 116.1, 122.1
ORLANDO Tower (Fla)	278 (126.18, 118.7)+		C	(4); 118.7,122.5,126.18
(A) [Orlando AAB](Arpt)(Fla)	2.5 E;lake S	115	55h L5 S6	80,91 oct;100 oct mil acft.
Orlando Aviation Country Club(Winter Park, Fla)	1 NW;lake S	100	21 L S6	80 oct.Flood lgts prior req.P-line N.
Osceola (Sanford, Fla)	10 SSE;lake SE	25	40h	
Peter O.Knight (Tampa, Fla)	3.7 S;bay S	8	40h L5 S6	80,91 oct.Ctc lgts prior req.
Pierson Memorial (Fla)	0.5 N;hwy,RR W	70	21	
(A) Pinecastle AAF (Fla) (A)	3 ESE;lake NW	95	100h	CLOSED.
PINELLAS Tower (Fla)	317 (118.3)		CI	(4); 122.5 (8-24)
(P) [Penellas Co. International] (St. Ptersburg, Fla.)	9.5 N;bay E	12	50h L5 S6	80,91,100 oct.
Piper-Fuller (St. Petersburg, Fla)	4.8 WNW;bay W			ABANDONED
Plant City (Fla)	3 E;hwy N			ABANDONED
(P) Punta Gorda (Fla)	5 ESE;hwy SW	25	50h	
Robinson (Plant City, Fla)	1.5 WSW;RR E	110	21 S6	80,91 oct E,ESE Blkd
(N) Roseland OLF (Sebastian, Fla)	1.7 W;riv N,E	23	40h	(N)
Ryan (Apopka, Fla)	1 N;hwy E	104	25 S4	80 oct. Obst sur fld.
Sanford (Fla)	2.5 SE;hwy N	57	60h L5 S6	80, 91 oct. Lgts on req.
(P) [Sarasota-Bradenton] (Sarasota, Fla)	3.5 NNW;hwy W	24	50h L5 S6	80,91 oct. Lgts on req.
Sarasota, com. (Fla)	2.5 E;RR N,E	25	35 S6	80 oct. Obst sur fld.
Sebring (Fla)	4 SW;lake NE	200	20 S1	80 oct.P-line SW.
Showalter Arpk (Winter Park) (Fla)	1 E;RR S	91	24 S4	80,91 oct.
Skyland (Lakeland, Fla)	1.9 WNW;RR S	170	21 S6	80 oct.No sto.Trees S.
Skyport (Dunedin, Fla)	1.5 N;RR E	4	30 L2 S6	80 oct. No bcn. S Blkd.
TAMPA Range (Fla)(Peter O. Knight)	368(TM)(116.1)	55°, 2.7	SBRAZ-DTV	(4); 116.1, 122.1
(P) [Taylor] (Ocala, Fla)	1 SW;RR NE	72	40h L5 S6	80,91 oct. No flood lgts
(P) Titusville-Cocoa (Titusville)	6 S;RR E	35	50h L5 S6	80 oct. Lgts prior req. (Fla)
Titusville Int,20,MM-AG(Fla)	1.3 NW;RR E			ABANDONED.
Tomoka (Daytona Beach, Fla)	See Ormond under "New Facilities"- name changed.			
(N) Valkaria OLF (Melbourne, Fla) (N)	8 SSE;RR E	26	40h	
Venice Aux (Fla.)	0.5 SE;hwy W	20	36 S4	80 oct. Trees ENE,SE.
VERO BEACH H Fac. (Fla)	359(VB)(116.1)		MHTV	(4);116.1,122.1
[Vero Beach] (Fla)	1 NW;RR E	24	75h L1 S1	91 oct,Airlines only,exc in emerg
Wauchula (Fla)	2.1 E;riv W	120	21	Trees N,E,NE
Wimauma (Fla)	0.8 ESE;RR W			ABANDONED.
(P) Witham (Stuart, Fla)	1.5 SE;RR SW	17	50h L5 S1	80 oct.
(P) Zephyrhills (Fla)	1.5 ESE;RR W	92	50h L5 S6	80 oct.No bndry lgts.

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

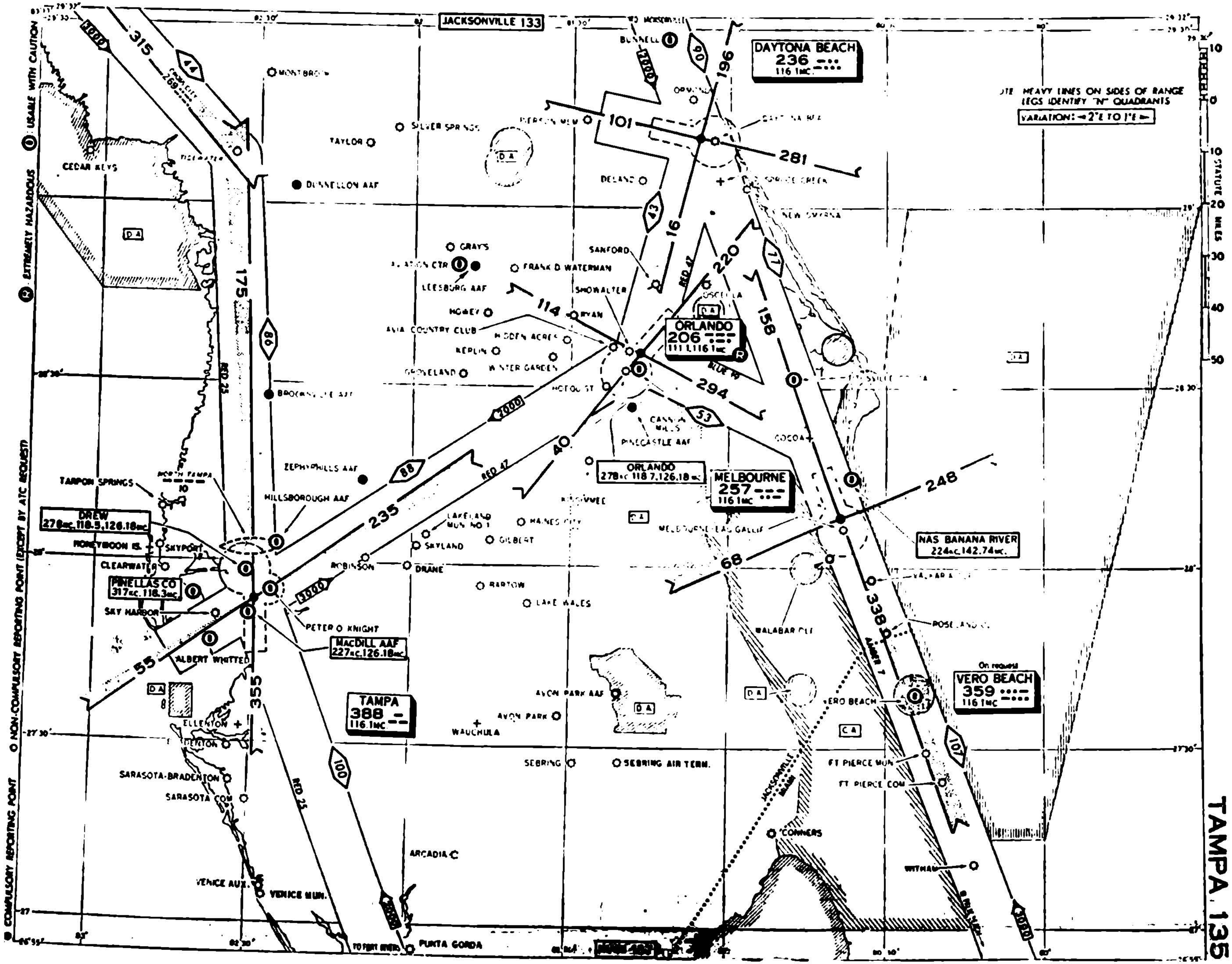
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MacDILL (A)	110.3	335	217°	IM- (0.07)	MM- ·····(1.09)	OM- – –(5.03)
				IMK-	MMK-	OMK-
				IM-	MM-	OM-
				IMK-	MMK-	OMK-

NEW FACILITIES

Ormond (Fla)	3.5 WNW;RR N	29	40h S4	80 oct.Ctn,stock on fld.
Sky Harbor (St.Petersburg, Fla)	6 NE;bay E	8	28 S6	80 oct.
Groveland (Fla)	1.8 SSE;lk NE	100	20 S3	80 oct
Winter Garden (Fla)	1.5 NW;lk NW	75	25 S2	80 oct.
Tarpon Springs (Fla)	2 W;Gulf of Mex. W	12	19 S1	80 oct Trees N,E,S
Spruce Creek (Samsula, Fla)	3.5 N	25	40h	
Howey (Howey in the Hills, Fla)	0.5 S;lake E	75	20 S2	80,91 oct. Private.
Aviation Ctr (Leesburg, Fla)	1.5 N;lk E	80	15h S6	80 oct WNW blkd.
(P) Sebring Air Terminal (Fla)	6.5 ESE;RR 2 SW	62	52h L5 S6	80,91 oct.Lgts on req.
(P) Drane (Lakeland, Fla)	5.5 SW;hwy 3 N	135	50h L5	No flood lgts. No bcn
(P) Venice Mun (Fla.)	1.9 SSE	19	50h L5 S6	80 oct. Rnwy lgts on req. No bcn or flood.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII)
–►– New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.


JACKSONVILLE 133
DAYTONA BEACH
236
116.1
ORLANDO
206
111 L116.1
ORLANDO
278
118.7,126.18
MELBOURNE
257
116.1
NAS BANANA RIVER
224
142.74
VERO BEACH
359
116.1
On request
TAMPA
388
116.1
DREW
278
118.5,126.18
PINELLAS CO
317
118.3
MACDILL AAF
227
126.18
USE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 1°E
USABLE WITH CAUTION
EXTREMELY HAZARDOUS
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
COMPULSORY REPORTING POINT
CEDAR KEYS
DUNNELLON AAF
TAYLOR
SILVER SPRINGS
DELAND
SANFORD
GRAYS
FRANK D WATERMAN
LEESBURG AAF
SHOWALTER
HOMEY
RYAN
AVIA COUNTRY CLUB
HIDDEN ACRES
KEPLIN
WINTER GARDEN
GROVELAND
BROOKSVILLE AAF
ZEPHYRHILLS AAF
TARPON SPRINGS
HILLSBOROUGH AAF
HONEYMOON IS.
SKYPORT
CLEARWATER
SKY HARBOR
ALBERT WHITTED
PETER O KNIGHT
ELLENTON
SARASOTA-BRADENTON
SARASOTA COM
VENICE AUX.
VENICE MUN.
TO FORT MYERS
PUNTA GORDA
ARCADIA
LAKELAND MUN NO 1
SKYLAND
GILBERT
HAINES CITY
ROBINSON
DRANE
BARTOW
LAKE WALES
AVON PARK AAF
AVON PARK
WAUCHULA
SEBRING
SEBRING AIR TERM.
CAPE CANAVERAL
PATRICK AFB
PINECASTLE AAF
COCOA
MELBOURNE-EAU GALLIE
MALABAR
PALM BAY
VALKARIA
POSEYLAND
FT PIERCE MUN
FT PIERCE COM
CONNERS
WITHAM
JACKSONVILLE
ATLANTA
MIAMI
STATUTE MILES
TAMPA 135

MIAMI

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
Belvedere (West Palm Beach, Fla.)	2 SW	17	25 S5	
Belle Glade (Fla)	1 NNE;lake W	17	24 S6	80 oct. Trees S,W.
BOCA RATON AAF Tower (Fla)	396 (126.18)		CA	(3); 126.18
(A) Boca Raton AAF (Fla)(A)	2 NNW;canal E	14	64h L5 S6	100 oct.
Brown (Miami, Fla)	10 NNE;RR NW	10	20 S6	80,91 oct. No sto. Trees E.
(A) Buckingham AAF (Fort Myers, Fla) (A)	10 E;riv SW	25	54h	CLOSED.
Chapman (Miami, Fla)	11.5 SSW	3	40 S6	80,91 oct. No sto. Pwr line W. RR W
Clewiston (Fla)	1.6 SW;RR N	19	30 S6	80,91 oct. P-line N,NE, SW.
(N) Forman OLF (Fort Lauderdale, Fla)	See Ft. Lauderdale-Davie Arpt under "New Facilities" - name changed.			
Ft. Lauderdale (Fla)	6 NNW;RR SE	14	40h	
(N) Fort Lauderdale NAS (Fla) (N)	3.5 SSW;RR W	10	50h	CLOSED
FORT MYERS Range (Fla) (Page)	341(FM)(116.1)	38°,3.6	SBRAZ-DTV	(4);116.1,122.1
Homestead, mun. (Fla)	2 NE;rd N	8	28 S6	80 oct.
(A) Immokalee Airfield (Fla) (A)	1.3 ENE;RR W	20	50h	CLOSED.
* Immokalee Int, 13, TM-MM (Fla)	5.25 SE;RR SW	23	38 L2	
KEY WEST Range (Fla)	332(KW)(116.1)	70°,5.8	SBRAZ-DTV	(4); 116.1, 122.1
KEY WEST NAS Tower (Fla)	396 (142.74)		CN	(3); 142.74 (sunrise to sunset)
KEY WEST NAS (Seaplane) Tower (Fla) (NC)	272 (142.74)		CN	3105;142.74 (prior req.)
(N) Key West NAS (Fla)(N)	7 ENE	5	70h L5 S4	91,100 oct. No sto.
Lake Worth (Fla)	2 W;RR E	12	26 S6	80 oct.
MacArthur (Hollywood, Fla)	See Hollywood under "New Facilities" - name changed.			
Marathon (Fla)	1.8 ENE;hwy S	6	100h	CLOSED.
MASTER NAS Tower (Fla)	382 (142.74)		CN	(3); 142.74 (7-sunset)
(N) Master NAS (Miami,Fla)	8 NNW;RR W	9	74h L5	Pwr line SE. (N)
[Meacham] (Key West,Fla)	2.3 E;ocean S	4	41h L5 S1	80,91 oct. ARPT ENTRY. Lgts prior req. No bcn
MIAMI Range (Fla) (International)	365(MM)(vhf)	270°,2.3	SBRAZ-DTV	(3); 116.1, 122.1
MIAMI INTERNATIONAL Tower (Fla)	278 (126.18, 118.5)		AC	(4); 122.5,126.18,118.5
(A) [Miami International - AAF] (Fla)	5 NW;RR W	9	74h L5 S6	80,91,100 oct. FEE. 2-way rdo rqrd. ARPT OF ENTRY.
Miami Aviation Center (Miami, Fla)	7.5 NNE;bay E	8	25h S6	80,91 oct. Trees N,S.
(N) Miami NAS (Fla) (N)	10.7 NW;canal N	9	60h	CLOSED.
(N) Miami OLF (Fla) (N)	7.9 NNW;RR E	9	36h	CLOSED

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED, HRS. OF OPERATION
MORRISON Tower (Fla)	278 (126.18, 118.9)+		C (ILS)	(4);118.9,126.18,122.5
(A) [Morrison](West Palm Beach, Fla) (A)	2 W;canal S	18	70h L5	CLOSED.
Naples (Fla)	2 NE;RRs E, W	8	50h	CLOSED.
(N) North Perry OLF (Hollywood,Fla)(N)	6.3 W	9	32h	CLOSED.
(N) North Pompano OLF (Pompano, Fla)(N)	1.5 NE;RR W	21	40h	CLOSED.
(P) [Page] (Ft. Myers,Fla)	4 S;RR E,hwy W	18	50h L5 S6	80,91 oct Ground traffic.
(P) Palm Beach County Park (Lantana, Fla)	2 WNW;lake N, E	13	35h L5 S6	80-100 oct. Fld lgts on prior req after 2300
Punta Gorda, mun. (Fla)	3 SSE;hwy E	4	24	
(N) Richmond NAS (LTA)(Fla)	15 SW Miami	13	20h	CLOSED. (N)
(P) Riddle (Clewiston,Fla)	7.6 W;hwy N	19	25h	Use rnwys only.
(P) South Dade County (Homestead, Fla)	See Homestead Arpt under "New Facilities" - name changed.			
Sunny South (Miami,Fla)	6 N;hwy E	12	40 S6	80,91 oct. E blocked.
Tamiami (Miami, Fla)	12 W	8	35h S6	80,91,100 oct. No sto P-line N,W.
WEST PALM BEACH Range (Fla) (Morrison)	209 (DWZ) (116.1)	89°,2.4	BMRAZ-DTV	(3); 116.1, 122.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MORRISON (A)	110.3	335	90°	IM -	MM- .....(0.6)	OM- --(4.5)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

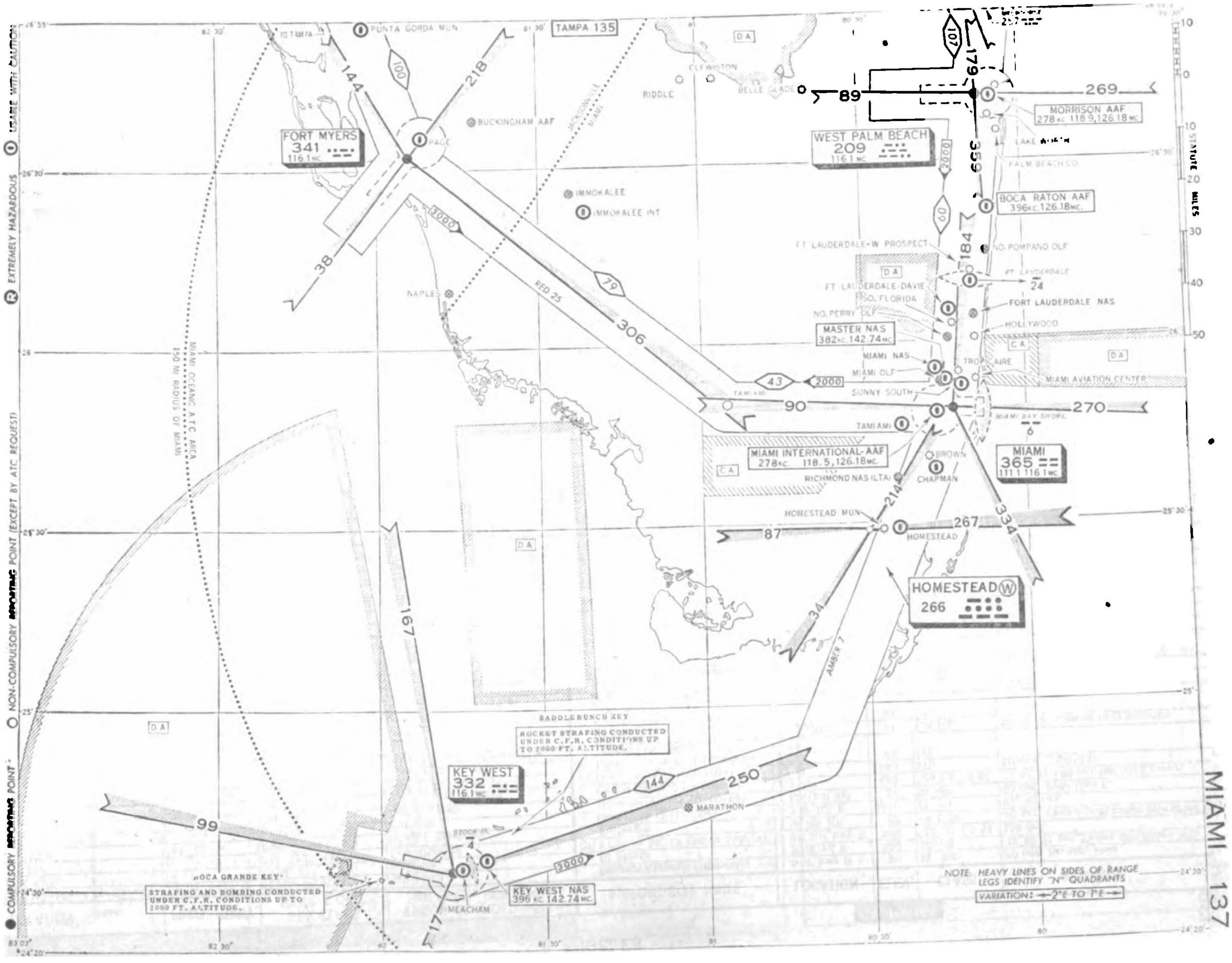
NEW FACILITIES

Ft. Lauderdale-Davie (Fla.)	6.5 WSW;hwy N	7	30h S4	80,91 oct.
West Prospect (Ft. Lauderdale,Fla.)	See Ft. Lauderdale above - name changed.			
(P)Homestead (Fla)	5 E	8	60h L5 S6	80,91 oct. Landing fee.
Hollywood Arpk Inc.(Fla.)	1 SW;RR W	12	28 S6	80,91 oct. Trees SE,NW.
South Fla.(Ft.Lauderdale)	7.5 SW;hwy E	10	45 S6	80,91 oct. P-line E. (Fla)
Tropicaire(Miami,Fla)	9 N	10	22 S6	80,91 oct. P-line N,E,S;N,
Belvedere Co.Club(W.Palm Beach,Fla)	2 WSW;Army fld S	17	25 S6	80 oct. Trees SE, E blkd. NW. Lgt acft only.

RADIO: S - Simul. Range and Voice. W - Without Voice. Z - VHF Range Station Location Marker. (3) - 3105, 4495, 6210 kcs. (4) - 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) - Voice on 116.1 and 111.1 mcs. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ◆ A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h - hard surfaced runways. L - Lighting facilities. S - Servicing (see page XIII)

→ New or revised data. [Jones] - Airline Stop. N.B Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized


USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
TAMPA 135
PUNTA GORDA MUN
TO TAMPA
FORT MYERS
341
116.1MC
PAGE
BUCKINGHAM AAF
IMMOKALEE
IMMOKALEE INT
NAPLES
RED 25
MIAMI OCEANIC A.T.C. AREA
150 MI RADIUS OF MIAMI
RIDDLE
CLEWISTON
BELLE GLADE
WEST PALM BEACH
209
116.1MC
MORRISON AAF
278KC 118.9,126.18MC
LAKE OKEECHOBEE
PALM BEACH CO.
BOCA RATON AAF
396KC 126.18MC.
FT LAUDERDALE-W PROSPECT
NO. POMPANO OLF
FT LAUDERDALE
FT LAUDERDALE-DAVIE
FORT LAUDERDALE NAS
SO. FLORIDA
NO. PERRY OLF
HOLLYWOOD
MASTER NAS
382KC 142.74MC
MIAMI NAS
TROPICAIRE
MIAMI OLF
MIAMI AVIATION CENTER
SUNNY SOUTH
TAMIAMI
MIAMI BAY SHORE
MIAMI INTERNATIONAL-AAF
278KC 118.5,126.18MC.
BROWN
CHAPMAN
RICHMOND NAS (LTA)
MIAMI
365
111.1 116.1MC
HOMESTEAD MUN
HOMESTEAD
HOMESTEAD (W)
266
AMBER 7
SADDLEBUNCH KEY
ROCKET STRAFING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 2000 FT. ALTITUDE.
KEY WEST
332
116.1MC
MARATHON
STOCK IS.
BOCA GRANDE KEY
STRAFING AND BOMBING CONDUCTED UNDER C.F.R. CONDITIONS UP TO 2000 FT. ALTITUDE.
MEACHAM
KEY WEST NAS
396 KC 142.74 MC
NOTE. HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS
VARIATION: 2°E TO 1°E
STATUTE MILES
MIAMI 137

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Term.)	248(BU)(116.1)	SBML-DTV;93°, 3	(3); 116.1
BURBANK LFM	(- -)	LFM, 97°, 1.5	Burbank
CASTAIC FM	(- - - -)	FM, 322°, 41	Los Angeles.
CHATSWORTH	341 (L)	FMHW;276°,10.5	(Cont.) Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMHW;77°,11.0	(Cont.) Los Angeles
EL TORO MCAS (Santa Ana)	3295(142.74)	CN(GCA)	3105,4495;126.18,142.74
GLENDALE	371 (S)	MHW;97°.7.3	(Cont.) Burbank
GRAND CENTRAL (Glendale)	201(118.7)	CI	(4);118.7,122.5 (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CI	(3); 126.18 (0730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERM. (Burbank)	278(126.18,118.3)	AC	(4); 122.5,126.18,118.3
LONG BEACH	233(HB)(vhf)	SBMRLZ-DTV	(3);116.1,122.1
Long Beach Airport	347(126.18,118.5)	AC; 298°, 3.9	(4);122.5,118.5,126.18
LOS ALAMITOS NAS (Long Beach)	317042.74)	CN	3105; 142.74 (8-1730)
LOS ANGELES	260(LA)(vhf)	SBRAZ-DTXV ;244°,3.9	(3); 116.1,122.1
Los Angeles Airport	272(126.18,118.9)	AC(ILS-W)	(4); 126.18,118.9,122.5
LOS ANGELES	109.1 (LA)	BVAR; 88°, 2.0	
NEWHALL (Int.)	209(NH)(vhf)	SBMRL-DTV;317°,0.1	(4);116.1 122.1
ONTARIO AIRPORT	219(126.18,116.1)	CI	(4);126.18,116.1,122.5 (8-18)
SANTA ANA (Navy)	359(NTK)	BMRLZ	3105;142.74
Santa Ana NAS	6970(142.74)	CN; 250°, 0.6	3105,3195;142.74 (Fly.hrs.& req.
→ SANTA MONICA AIRPORT	353(126.18)	CI	(3); 126.18 (730-20)
TERMINAL ISLAND NAS (San Pedro)	338 (142.74)	CN	DECOMMISSIONED
VAN NUYS METROPOLITAN AIRPORT	219 (126.18)	CI	(4); 126.18 (730-1530, except Sat. & Sun)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LOS ANGELES,	109.9	333.8	247°	IM-	MM- ·—·— (0.64)	OM- — — (6.04)	
					MMK-		OMK-

S-Signal Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

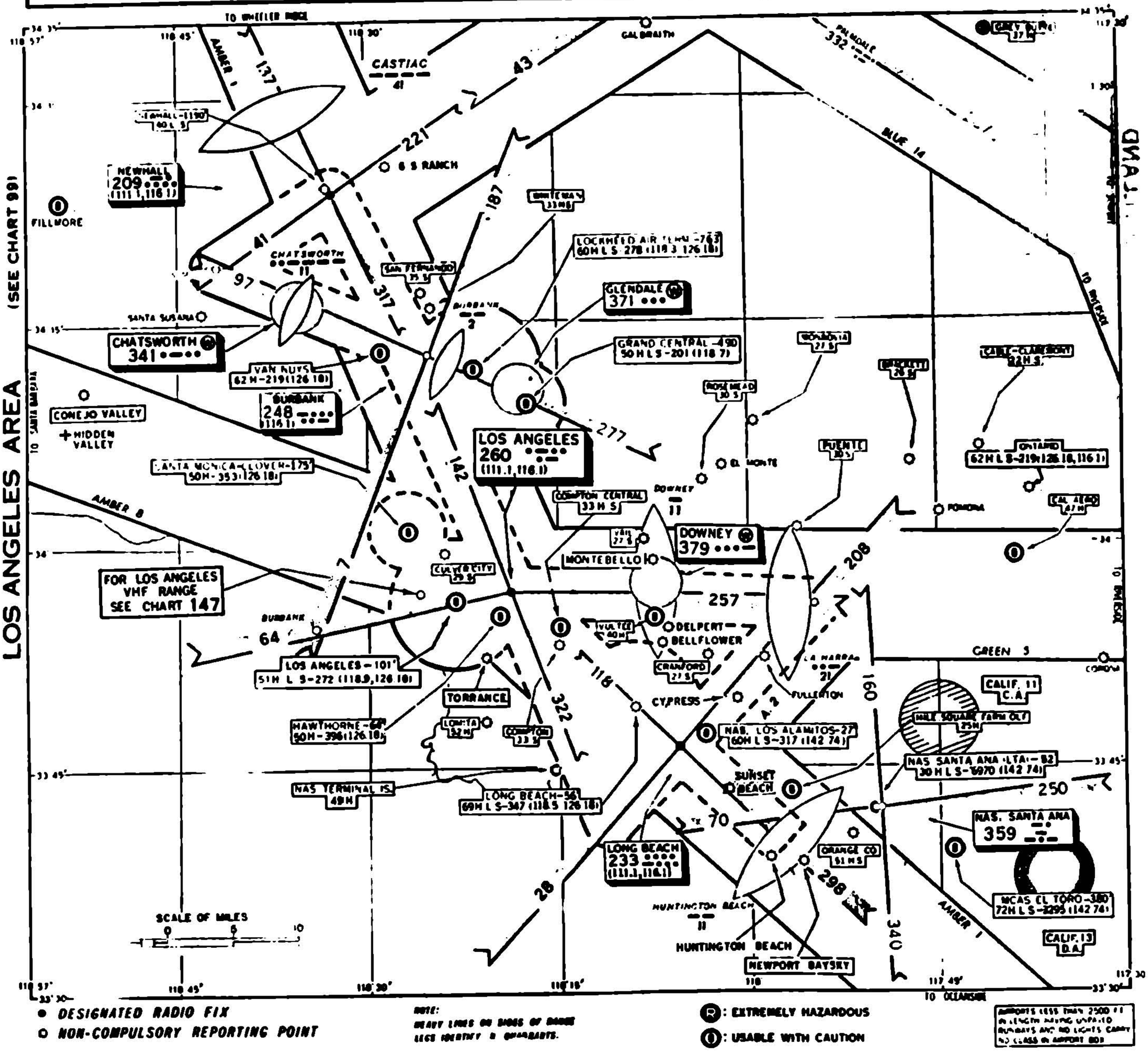
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;dyke N	80	21 S4	80 oct. No sto.
Brackett (Pomona)	3 NW;hwys N,E	1010	25 S6	80 oct. Hill W.
Cable-Claremont	1.8 ENE;RR E	1400	22h S6	80,91 oct. Brush NNE.
Cal Aero (Chino)	4.5 SE	625	47h L	Restricted to W.A.A.,Bndry lgts prior
Compton	1.5 W;hwy E,W	90	33 S6	80 oct. Poles E, N. Hwy N. req.
Compton Central (Compton)	2 NW;RR W	100	33h L S6	80,91 oct. Rdo & instr rprs. Rnwy data
Conejo Valley (Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct. No sto. P-lines NE. unver.
Corona	2.3 ESE;RR N	645	22 S6	80,91 oct. P-lines E,SE,W,NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City (Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted). → NEW OR REVISED DATA.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delpert Airpark (Norwalk)	1.5 W;hwy N	90	21 S6	80 oct. No sto. Pole.
El Monte	1 NNE;rd E	300	20 S6	73,80,91 oct.Trees SW.Bldgs NE.
(N) El Toro MCAS (Santa Ana)(N)	5 SE,RR,hwy W	380	72h R1 L5 S4	100 oct.
Fullerton	3 W;RR NE	95	18 L S6	80 oct. Obst & port range lgts prior req.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73, 80 oct.
Gardena Valley (Gardena)	2 NW;RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW	490	50h R1 L5 S6	73,83,91,100 oct.Bet RR & river.
(A) Grey Butte (Victorville)(A)	22 W	3050	37h	Mtns S. CLOSED
(N) Haster Farm OLF (Gardengrove) (N) (NC)	2 SW	65	14h	
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
(N) Horse Farm OLF (Los Alamitos) (N) (NC)	2 E	54	17h	
Hughes (Culver City) (NC)	3.6 SSW;RR N	15	91	Pole line NE. Closed to Public.
Huntington Beach	1.8 SE;hwy NW	4	19 S1	80 oct.
(NG) LOCKHEED AIR TERM. (Bur- (N) bank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91 oct;100 oct Army. No sto. Two-way radio required.
(P) Lomita Landing Strip	1 W;hwy S	95	52h	Mtns S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	100 oct. No sto.
(N) Los Alamitos NAS (Long Beach)	6 E; hwy N	27	60h R1 L5 S4	80,100 oct, NATS
(P) [Los Angeles] (N)	9.5 SW;RR E	101	60h R3 L6 S6	91,100 oct. Rdo rqrd. Rnwy data unver.
(N) Mile Sq. Farm OLF (Santa Ana)	3.5 SE;riv E	44	25h L	Pwr lines S.
Monrovia (N)	0.5 SE;RR S	500	26 S6	80,91 oct. Tree N,S.
Montebello	2 SSW;RR S	180	34 S6	80, 91 oct.
* Newhall Int,3A,LA-SF	2.2 NW;RR E	1190	40 R1 L3 S1	91 oct, for airlines.
Newport Bay Sky Harb. (Costa	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.
Norco Mesa)	2.5SSW;riv1.5 NW	590	14 S6	80,91 oct.Trees W,SW.
(P) Ontario International	1.5 E;RR SW	952	62h R1 L5 S6	80,91,100 oct. Trees SW.
(P) Orange Co. (Santa Ana)	5 S;at fork rds	53	48h L5 S6	80,91 oct. Fld lgts on req.
(N) Palisades OLF (N)(NC)	2 E Costa Mesa	107	25	Bay N, W.
Pomona	1.8 SSE;rd W	775	20 S6	80 oct. Trees E,hill W.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. Poles NE,house SW.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	52	30h R2 L4 S4	91,100 oct. No sto.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No bcn. Lgts prior req.
Santa Susana	0.5 S;RR N	955	18 S1	80 oct. Hills ENE, P-lines WSW.
Sky Ranch (Puente)	See Puente Sky Ranch under "New Airports" -name changed.			
(N) Terminal Isl. NAS (San Pedro)(N)	2 ENE	14	49h	CLOSED.
Torrance Community (Los Angeles)	11.5 SSW;hwy W	82	21h S6	80 oct. No sto. Poles W; pwr line E.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct. Port rnwy lgts. Rdo rprs.
(A) Van Nuys Metropolitan	2.8 NW;RR N	800	62h R1	Ltd 100 oct.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW. RST'D.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct. Pole line NNW,NE,SW.
NEW FACILITIES				
Sunset Beach (Calif)	2.6 E;ocean SW	25	19 S4	80 oct. Fence ENE.
6 S Ranch Arpk (Solemint,Calif)	1 WNW;hwy N	1350	26 S6	80,91 oct. P-line E,W.
Fillmore (Calif)	1 S;riv N	435	16	Tree W.
Cypress (Westminster,Calif)	4.6 NNW;RR SW	60	22 S1	80 oct. Pwr line NE.
Puente Sky Ranch (Calif)	1.3 E;RR S	402	30 S4	80 oct. Trees E,p-line W.
Hidden Valley (Camarillo,Calif)	10 SE;lake E	920	20	McMahans Oaklane Ranch. Data unver


LOS ANGELES AREA
(SEE CHART 991)
TO WHEELER RIDGE
CASTIAC
41
GAL BRAITH
SAN GABRIEL MTS
332
BLUE 14
10 INLAND
CHATSWORTH
11
SANTA SUSANA
CHATSWORTH
341
VAN NUYS
62 H-219 (126 18)
BURBANK
248
(116 1)
CONEJO VALLEY
HIDDEN VALLEY
SANTA MONICA-CLOVER-175
50H-353 (126 18)
AMBER 8
FOR LOS ANGELES VHF RANGE SEE CHART 147
FILLMORE
NEWHALL
209
(111 1, 116 1)
AMBER 1
137
43
221
187
41
97
317
277
142
64
116
322
28
208
257
160
70
298
340
250
6 S RANCH
SAN FERNANDO
GLENDALE
371
BURBANK
GRAND CENTRAL -490
50 H L S-201 (118 7)
LOS ANGELES
260
(111.1, 116.1)
COMPTON CENTRAL
33 H S
DOWNEY
11
DOWNEY
379
MONTEBELLO
CULVER CITY
BURBANK
LOS ANGELES-101
51H L S-272 (118.9, 126 18)
TORRANCE
LOMITA
32 H
HAWTHORNE-68
50H-398 (126 18)
NAS TERMINAL IS.
49H
LONG BEACH-56
69H L S-347 (118.5 126 18)
VULTEE
40H
DELPERT
BELLFLOWER
CRANFORD
27 S
CYPRESS
NAB. LOS ALAMITOS-27
60H L S-317 (142 741)
SUNSET BEACH
LONG BEACH
233
(111.1, 116.1)
HUNTINGTON BEACH
11
HUNTINGTON BEACH
NEWPORT BAY/SKY
ORANGE CO
51 H S
FULLERTON
21
GREEN 5
CALIF. 11
C.A
NAS SANTA ANA (LTA)-82
30 H L S-6970 (142 741)
NAS. SANTA ANA
359
MCAS CL TORO-380
72H L S-2295 (142 741)
CALIF. 13
D.A
ONTARIO
62 H L S-219 (126 18, 116 1)
POMONA
EL MONTE
PUENTE
ROSEMEAD
30 S
SCALE OF MILES
0
5
10
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY R QUADRANTS.
R: EXTREMELY HAZARDOUS
1: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT IN LENGTH HAVING UNPAVED RUNWAYS AND NO LIGHTS CARRY NO CLASS OR AIRPORT SDI

DETROIT — CLEVELAND

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ann Arbor (Mich)	4 S	835	32 L3 S6	80 oct. Lgts prior req. P-line N, SE.
Bedford (Ohio)	2 NE;hwy W	1060	17 S4	80 oct. P-line W,SW,NW
Berz (Birmingham,Mich)	1.5 E;RR SW	700	32 S2	80,91 oct. N blkd.
Big Beaver (Mich)●	0.8 E;hwy W	650	21 S6	80 oct. P-line N.
Brooklyn (Cleveland, Ohio)	5.5 SW;RR S	780	26 S2	73 oct.
Burns (Detroit, Mich)	8.5 WSW;RR N	625	19 S6	80 oct. SW blkd. P-line N
Chagrin Falls (Ohio)	3 E;hwy W	1220	26 S6	80 oct. P-line N,NE,NW.
Chagrin Harbor (Willoughby, Ohio)	2.5 NNW;hwy W	620	20 S6	80 oct. P-line W. Soft when wet.
Chardon (Ohio)	2.8 S;lk W	1230	22 S4	80 oct. P-line N,NE,SE Use strips only.
CLEVELAND Range (Ohio)	344(CV)(116.1)	100°,0.7	SBRAZ-DTXV	(4); 116.1
CLEVELAND Arpt. Range	278		MLW	(Ohio)
CLEVELAND Tower (Ohio)	278 (126.18, 118.3)		AC(ILS-W)	(4); 118.3,126.18,122.5
(A) [Cleveland] (Ohio)	8.5 SW;riv W	789	60h L6 S6	73-100 oct; 100 oct IP-1 Army 2nd ech maint. FEE.
Cumberland (Portsmouth,Va)	8 S	15	28 S4	80 oct. ARPT OF ENTRY.
DETROIT H Fac. (Mich)	338 (D)	329°,2.2	MHW	(Cont.) Detroit.
DETROIT CITY Tower [Detroit City] (Mich)	278 (118.5) 5.5 NE;RR S	625	C 53h L4 S6	(4); 122.5 (Mich) 80,91 oct. FEE. Rdo rec rqrd. ARPT OF ENTRY P-line N. Tank W.
ELYRIA H Fac. (Ohio)	219 (S)	280°,10.9	FMHW	(Cont) Cleveland
Elyria (Ohio)	1.6 SSW;bet RRs	745	27 S4	80 oct. Poles SSE,S.
Euclid Ave. (Willoughby, Ohio)	1.5 WSW;RR N	640	26 S6	80.91 oct. P-line N,NNE. SSW.
Flat Rock (So. Rockwood)	2.8 W;hwy W	600	24 S4	80 oct. P-line NW. (Mich)
Ford (Detroit, Mich)	8.8 SW;RR N	600	37h	PRIVATE.
Gridley (Ypsilanti, Mich)	4.4 WSW;hwy E	840	24 S5	80 oct. Pole E;woods N
GROSSE ILE NAS Tower	269 (142.74)		CN	(3); 142.74 (8-17)
(N) Grosse Ile NAS (Detroit, Mich) (N)	17 SSW	594	47h L5 S6	91,100 oct. P-line E.
Hance (Wyandotte, Mich)	2.5 W;hwy N,E	590	28 S6	80 oct. N blkd.
Hartselle Air Terminal (Wayne, Mich)	3.5 NW;RR E	675	18 S6	80 oct. P-line E;trees W. ENE,WSW,WNW.
Irish Hills (Springv'l,Mich)	3 N;lk S	990	20 S1	80 oct. Trees NE,SE.
Joy (Detroit, Mich)	13 NE;RR W	616	24 S6	80 oct. Trees SW.
Knapp (New Hudson, Mich)	0.5 SW;RR SE	947	25 S1	80 oct. N blkd.
Krist-Port (Farmington, Mich)	3.8 N;jct rds	860	27 S6	80 oct. Obsts sur fld.
Lorain (Ohio)	2.8 W;RR N	610	31 S4	80 oct. P-line NE,SE.
Lorain Skyport (Lorain,O)	2.5 W;lk N	610	29 S4	80.91 oct. P-line S,SE. SW corner unusable.
Lost Nation (Willoughby,O)	3 N;lk NW	626	37 S6	80.91 oct. Obsts sur fld. except N approach
McEnnan (Ypsilanti,Mich)	2.7 SSW;riv NE	738	23 S4	80 oct. P-line E;trees NW
McKinley (Fraser, Mich)	1.3 NW;RR E	620	27	P-line E, NE.
Mettetal (Plymouth, Mich)	1.5 SSE;RR E	700	25 S6	80 oct. P-line N,SW,W,NE
Mid City (Hudson, Ohio)	2 S;RR E,SW	1080	31 S6	80 oct. Obsts sur fld.
Milan (Mich)	3.8 SW;RR SE	705	23 S2	80 oct. P-line N.
Nan-Bar (Flat Rock, Mich)	1 ENE;RR N	590	26 S4	80 oct. P-line NE,E.
National Flying Service (Detroit, Mich)	11.5 WSW;RR N	635	29 S4	80 oct. Poles NE,NW.
(N) Newport OLF (Mich) (N)	3 W;hwy E	608	20h	
Ortner (Wakeman, Ohio)	4 NNE;RR S		26 S1	73 oct. Data unver.
Richmond (Gregory, Mich)	1.7 SE;lk E	920	23 S2	80 oct. Trees N,ESE.
ROMULUS Range (Mich)	230(DT)(116.1)	86°,2.8	SBRAZ-DTV	(3); 116.1
Roseville (Mich)	0.5 S;hwy W	610	31 S6	80 oct. SE,SW blkd.
Sky Haven (Northfield,Ohio)	2.5 SSE	1040	25 S4	80 oct. P-line SE,S,SW,W
Solon (Ohio)	1.1 SSE;RR NE	1034	24 L S6	80 oct. P-line SE,SW,W Flood lgts on req.
Stinson (Wayne, Mich)	1.4 SW;RR E	664	25h	PRIV. P-line NNE
Tecumseh (Mich)	1.8 NNE;riv SW	815	26 S6	80 oct. P-lines S.W blkd.
Triangle (Plymouth,Mich)	1.5 ESE;lk N	700	26 S4	80 oct. P-line N,E,S.W blkd.
Vermilion Int,28,CG-LG (O)	3.7 SW;RR N,S	610	24 L3	N,SE,S,NW blkd.
Ward (Bedford, Ohio)	1.5 S;RR E	980	21 S6	80 oct. Twr, tank N.
Warren (Mich)	1.6 WNW;RR E	625	23 S6	80 oct. P-line E,S;trees W.
Washtenaw (Dexter, Mich)	3 SSE;hwy S	867	26 S4	80 oct. P-lines, trees all
Waterloo (Mich)	2.4 ESE;lk W	1040	23 S1	80 oct. Trees SE. Approchs Hills SW, W.
(NG) Wayne Co. (Detroit, Mich) (NG)	16 SW;RR N	630	61h S3	100 oct. 1-ech. maint. for NG. ARPT OF ENTRY
Willoughby (Ohio)	1.2 E;brdg 1 W	700	25 S6	80,91 oct. Rnwy data unv. P-line ENE,S.
WILLOW RUN Tower (Mich)	332 (118.7)		C(ILS)	(4); 118.7
(P) [Willow Run] (Ypsilanti, Mich)	4.5 E;riv S	715	74h L5	RR N. FEE.
WINDSOR Range (Ont., Can)	353 (QG)	243°,3.3	SBRAZ-T	3105,6210,3117.5

INSTRUMENT LANDING SYSTEMS (Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LCLZR.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
CLEVELAND	109.9		54°	MM-	OM- — — (4.75)
				MMK-	OMK-
WILLOW RUN	109.5	332.6	50°	MM- • — • — (0.65)	OM- — — (5.8)
				MMK- 323 — (0.65)	OMK- 359 • — — (5.80)
				MM-	OM-
				MMK-	OMK
				MM-	OM-
				MMK-	OMK-

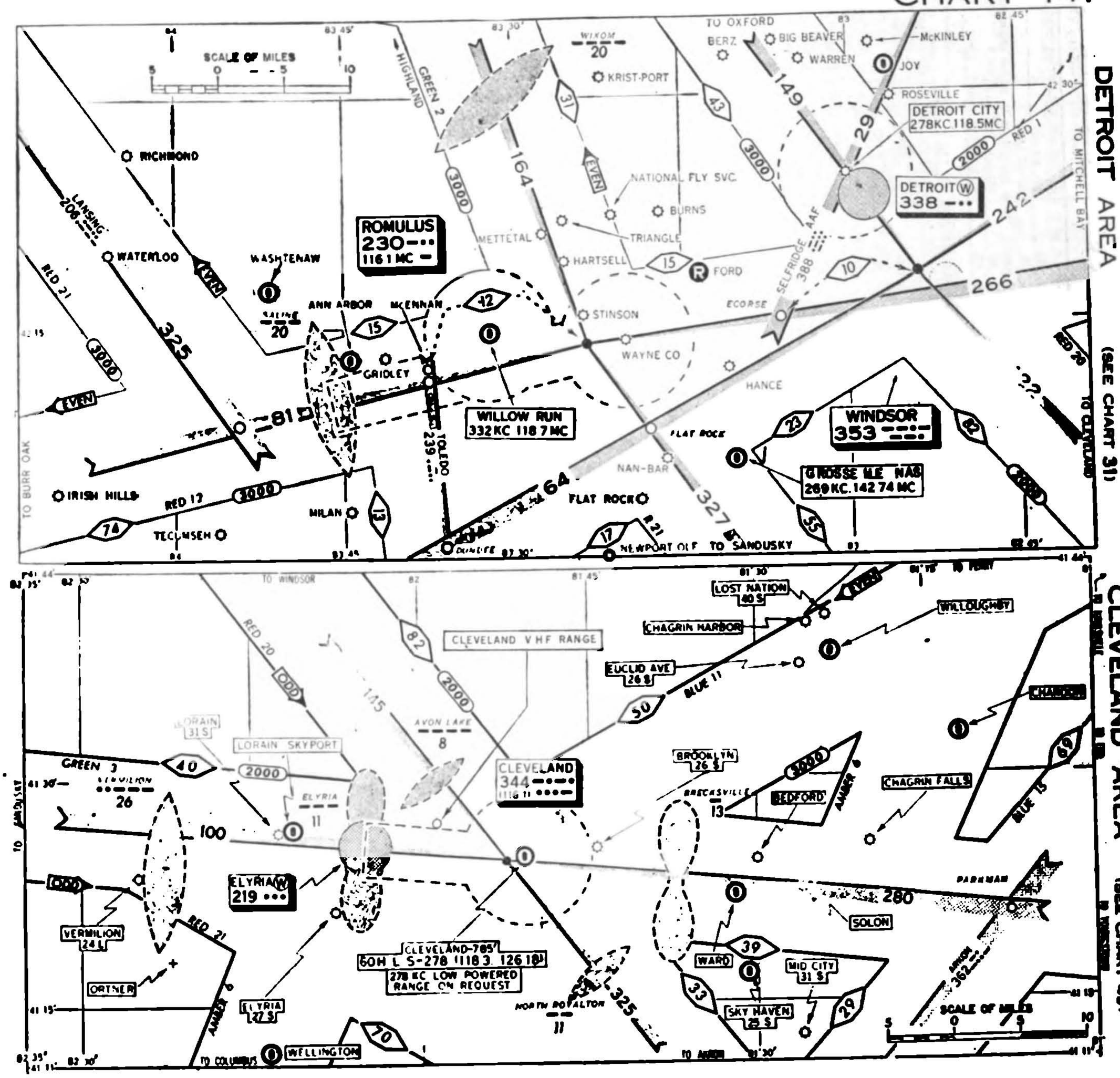
NEW FACILITIES

FACILITY	FREQ., IDENT. / ARPT. LOCATION	BEAR. & DIST. / ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Wellington (Ohio)	Adj NW;RR W	850	20 S2	80 oct. Stacks NE. Data unver.

RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs. ● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing (see page XIII) → New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED. Airports are indented and non-capitalized.

CHART 141


SCALE OF MILES
5 0 5 10
RICHMOND
LANSING 206
WATERLOO
WASHTENAW
ANN ARBOR
SALINE 20
MCKENNAN
GRIDLEY
ROMULUS 230 116.1 MC
WILLOW RUN 332 KC 118.7 MC
IRISH HILLS
TECUMSEH
MILAN
TOLEDO
DUNDEE
METTETAL
HARTSELL
KRIST-PORT
WIXOM 20
NATIONAL FLY SVC
BURNS
TRIANGLE
FORD
STINSON
WAYNE CO
HANCE
FLAT ROCK
NAN-BAR
NEWPORT OLF
TO SANDUSKY
TO OXFORD
BERZ
BIG BEAVER
WARREN
McKINLEY
JOY
ROSEVILLE
DETROIT CITY 278KC 118.5MC
DETROIT W 338
SELFRIDGE AAF 388
ECORSE
WINDSOR 353
GROSSE ILE NAS 269 KC 142.74 MC
TO MITCHELL BAY
TO CLEVELAND
TO BURR OAK
TO WINDSOR
CLEVELAND V H F RANGE
LOST NATION 40 S
CHAGRIN HARBOR
EUCLID AVE 26 S
WILLOUGHBY
CHARDON
LORAIN 31 S
LORAIN SKYPORT
AVON LAKE 8
CLEVELAND 344 116.1
BROOKLYN 26 S
BRECKSVILLE 13
BEDFORD
CHAGRIN FALLS
VERMILION 24 L
VERMILION 26
ELYRIA 11
ELYRIA 27 S
ELYRIA W 219
ORTNER
CLEVELAND-785'
60H L S-278 118.3 126.1
278 KC LOW POWERED RANGE ON REQUEST
NORTH ROYALTON 11
WELLINGTON
WARD
MID CITY 31 S
SKY HAVEN 25 S
SOLON
PARKMAN
SCALE OF MILES
5 0 5 10
TO COLUMBUS
TO AKRON
TO SANDUSKY
(SEE CHART 31)
(SEE CHART 49)
DETROIT AREA
CLEVELAND AREA

SEATTLE – PORTLAND – INDIANAPOLIS

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
Ace (Anderson, Ind)	3.5 S;RR E	875	33 L S6	80 oct. Port lgts prior req.
Anderson (Ind)	3.5 SE;RR W	875	27 S6	80 oct. P-line NE.
(P) Aurora Flight Strip (Ore)	1.6 NNW;hwy W	196	41h	
Apex Arpk (Silverdale, Wash)	1.5 WSW	550	16	Data unver.
Bargersville (Ind)	1 NNE;RR W	701	27 S2	80 oct. Trees N. P-line E,W.
Barrys Sky Harbor (Tacoma)	2.3 ENE;riv SW	4	21 S6	80 oct. P-line E. (Wash)
Beck (Jolietville, Ind)*	2.2 SSE;hwy 2W	830	18 S4	80 oct. P-line WNW.
Boeing-Renton (Renton, Wash)	0.9 NW;lake N	32	54h L5	Lgts prior req.
BOEING Tower (Seattle, Wash)	278 (126.18, 118.3)		AC	(4): 118.3, 126.18, 140.1, 122.5
(P) [Boeing] (Seattle, Wash)	3.8 SSE;RR E	15	75h L5 S6	80-100 oct. ARPT OF ENTRY
Brightwood (Indianapolis, Ind)	3.7 NE;rd S		44 S4	80 oct. Data unver.
Brownsburg (Ind)	1.5 SSE;RR N	650	26 S2	80 oct. P-line S.
Canby (Ore)	0.5 NNW	150	17 S1	80 oct. Pwrline NE,SW.
City View Arpk (Tacoma, Wash)	4.5 NE	380	18	P-line SW.
Crawfordsville (Ind)	4.5 SSW	850	38 S4	80 oct. Hwys E, W.
Delaware (Yorktown, Ind)	1 NE;RR S	950	27 S4	80 oct. P-line N,W. Use strips.
Dwyer Landing Fld. (Portland, Ore)	7 SE;RR NW	200	16	Poles SW.
Emmclaw (Wash)	1.5 WSW;hwy E	740	20 S2	Ltd 80 oct. Pwrline E.
Farmers (Greenfield, Ind)	9 NW		26 S2	73 oct. Data unver.
Forrest Grove (Spanaway, Wash)	1.8 E;RR E	340	28 S6	80 oct. P-line S. Ctn.
Franklin Flying Fld. (Ind)	4 S	745	22 S6	80 oct.
G & C (Anderson, Ind)	1 N	875	30	Data unver.
Green Acres (Mulino, Ore)	1.9 SSW;RR W	269	18	SE blkd.
Greencastle (Ind)	2.5 ESE;RR N	780	20 S6	80 oct. P-line SE,S. Soft.
(P) Greenfield Inc. (Ind)	1.9 ENE;RR S	910	30 S6	80 oct. P-line S.
Groves (Camas, Wash)	2.8 N;hwy E	350	16 S1	Ltd 80 oct. Lake SW.
Himes (Whiteaville, Ind)	0.8 E;RR SW	870	17 S1	80 oct. P-line NNE,NW
Hoosier-Park (Ind)	4 WNW;hwy N	740	26 S6	80,91 oct. P-line NE.
Howell Brothers (Rushville, Ind)	2 SE;hwy SW	985	13 S2	91 oct. Bldgs SW.
Huffman Air Svc. (Selma, Ind)	0.8 SE;RR N	1000	19 S6	80 oct. Obsts sur fld.
INDIANAPOLIS Range (Ind)	266(ID)(vhf)	75°, 3.3	SBRAZ-DTV	(3); 116.1, 122.1
INDIANAPOLIS Tower (Ind)	278 (126.18, 118.7)		AC (ILS)	(4); 122.5, 126.18, 118.7
(P) [Indianapolis] (Ind)	8 SW;hwy N	796	53h (L6) S6	73-100 oct. Exper lgtg.
Kent (Wash)	1.5 SSW;riv N	30	30 S6	80 oct.
Kitsap Co. (Bremerton, Wash)	8 SW;hwy NW	482	50h L5 S6	80,91 oct. Lgts on req. No sto
Lake Arpk (Bellevue, Wash)	3.5 SSE;	35	21h S2	Data unver. On lake shore
Lakewood (Tacoma, Wash)	7.5 SSW;RR E	243	22 S1	80 oct. Trees ENE,WSW.
Lapel (Ind)	1 NE	865	26 S4	80 oct. Obst sur fld.
Lebanon (Ind)	1 S;RR N	925	16 S4	80 oct. Trees SW.
Lizton (Ind)	1 SE		25	Data unver.
Loy (Plainfield, Ind)	0.5 S;RR W	873	20 S6	80 oct. E,SE blkd.
Martinsville (Ind)	See Elliott-Martinsville under "New Facilities"-name changed			
→ McCHORD Army Range (Tacoma)	272 (DTA)	26°, 1.7	BMRLZ	
→ McCHORD Tower (Wash)	396 (126.18)+		CA (ILS-W) ● :45.05 (GCA)	(3); 116.1, 126.18
(A) McChord (Tacoma, Wash)(A)	7 SSW;lake SE	285	59h L5 S6	73,91,100 oct. IP-1. FOREIGN CLEARING STN.
Mecca (Danville, Ind)	0.8 WSW;hwy N	750	18 S2	80 oct. P-line E,SSE,NNW.
Mercer (Seattle, Wash)	See Bellevue Airfield under "New Facilities" - name changed			
Milroy Int,S,CC-CG (Ind)	5.5 ESE	1034	27 L3	
Moore (Zionsville, Ind)	12 NW		14 S1	80 oct. Data unver.
New Castle Western (New Castle, Ind)	2.3 NW;hwy E	1080	24 S2	80 oct. P-line N,SE. NW blkd.
New Castle (Ind)	3.2 E;hwy N	1040	29 S6	80,91 oct. N,NE blkd.
Noblesville (Ind)	1 SE;RR N	801	24 S1	80 oct. Pwrline ESE.
Northern Tacoma (Puyallup)	1.3 N;RR N,S	20	19 L S6	(Wash) Lgts prior req.
Owen Pathfinder (Camby, Ind)	2.3 S	792	32 S1	80 oct. P-line SSE,SW. Use strips
PORTLAND Range (Ore)	332(PD)(vhf)	168°, 3.1	SBRAZ-DTV	(3); 116.1, 122.1
PORTLAND Tower (Ore)	278(126.18,118.3)+		AC (ILS)	(4); 142.74, 122.5, 118.3, 126.18

FACILITY	FREQ., IDENT. ARPT. LOCATION	BEAR. & DIST. ELEV.	CLASS	REMARKS FREQS. GUARDED. HRS. OF OPERATION
(NG) [Portland] (Ore)	5 NNE;riv N	19	55h L6 S6	91,100 oct. Lgts prior req.
→ Portland Birdsdale (Ore)	8.5 E;RR N	220	23 S6	80, 91 oct.
Puyallup (Wash)	6 S;hwy W	520	42 S6	80,91 oct.
R.C. Sugg (Orchards, Wash)	See Evergreen Fld (Orchards) under "New Facilities" - name changed.			
Reese Fly. Serv. (Selma, Ind.)	3.5 SW;riv W	975	20 S2	80 oct. P-line E,NE.
R.O.K. (Gresham, Ore)	2.2 W;RR S	285	26 S5	73 oct. Pwrline E, ENE.
Schuler (Woodburn, Ore)	2.8 WNW;RR E	200	29	
SEATTLE Range (Boeing)(Wash)	260(SA)(116.1)	296°, 2.8	SBRAZ-DTXV	(3); 116.1, 122.1
Seattle Sky Ranch (Issaquah)	1.6 NNW;hwy S	50	25 L5 S6	80,91 oct. Hill S. Lgts prior
SEATTLE Navy H Fac. (Wash)	532 (WN)		MH	(4) cont. Freq. No bcn. flood lgts.
SEATTLE NAS Tower (Wash)	230(142.74)		CN (GCA)	(3); 142.74 (8-sunset)
(N) Seattle NAS (Wash) (N)	6.5 NNE;lk E	37	51h (L6) S6	91,100 oct. NATS.
→ Seattle-Tacoma (Seattle, Wash)	10.5 S; RR E	405	61h L6	P-line NE. hills sur fld. Lgts
Shank's (Indianapolis, Ind)	6NW;hwy NE	740	32 S6	80,91 oct. req Boeing twr.
Sheridan (Ind)	2.5 N	700	23 S6	80,91 oct. P-line W. Data un-
(P) Sky Harbor (Indianapolis, Ind)	7 ENE;hwy S,E	730	26 L S6	80 oct. P-line E,S,SE. ver.
Sky Park (Oregon City, Ore)	2.7 SE;RR NW	440	27 S6	80 oct. P-line S.
South Port Orchard (Port Orchard, Wash)	7.5 SSW;lk S	350	30 S6	80 oct.
Spanaway Acft Co. (Spanaway)	1.2 SSE;RR S	375	25 S6	80,100 oct. P-line S. (Wash)
Sportsman Arpk (Newberg, Ore)	1 E;riv SW;hwy W	173	23 S4	80 oct. Trees NNE.
STOUT Tower (Ind)	396		CA	4495 (9-18)
(A) Stout AAF (Indianapolis, Ind)(A)	5.5 WSW	714	45h L5 S4	100 oct, 2nd ech maint only
Suco Arpk (Shelbyville, Ind)	0.7 SE;RR NE	800	23 S2	80 oct. P-line E. Data unver
Tacoma (Wash)	4.4 W;hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk (Tacoma, Wash)	2.9 WSW;RR E	250	20 S4	80 oct. Sharp drop W edge
Vancouver (Wash)	1 SE	26	19 S6	Ltd 80 oct. fld.
Vancouver, mun. (Wash)	6.7 ENE	240	26 S1	80, 91 oct. Hwy W.
Wells (Milwaukie, Ore)	1.3 NE;RR W	158	17 S1	80 oct. Use strips only.
White Cloud (Greenwood, Ind)	1.8 SW;hwy E	800	24 S6	80 oct. P-line N,NE,E,SE,NW
Yorktown (Ind)	0.8 S;RR N	910	20 S6	80,91 oct. P-line N,E,W.

INSTRUMENT LANDING SYSTEMS

(Localizer, Glide Path in mcs, Compass Locator in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
INDIANAPOLIS (L6)	109.9	333.8	44°	IM-	MM- •—•—• (0.89)	OM- ——(4.3)
					MMK-201 —••	OMK-219 ••
McCHORD (A)	109.9	333.8	337	IM- (0.24)	MM- ••••••(0.85)	OM- ——(4.44)
					MMK-	OMK
PORTLAND	109.9	333.8	113°	IM-	MM- •—•—• (0.52)	OM- ——(4.81)
					MMK-	OMK-219 ••••
SEATTLE-TACOMA	110.3 (W)	335	338°	IM-	MM- •——• (0.65)	OM- ——(4.6)
					MMK-371 •——••	OMK-359 •••

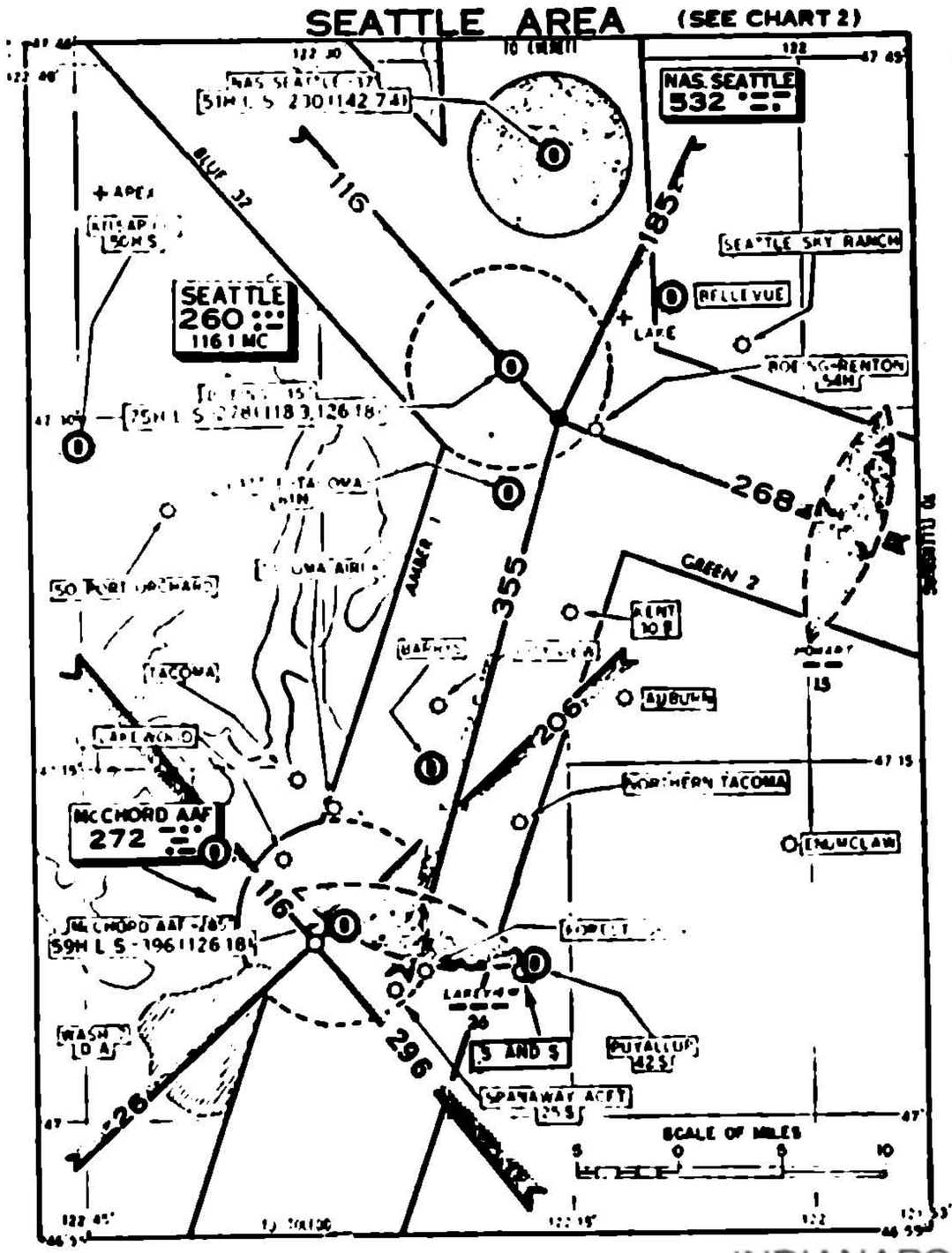
NEW FACILITIES

Bernard (Beaverton, Ore)	1.4 NNW;RR S	203	19 S6	80, 91 oct.
Columbia Co. (Scappoose, Ore)	1.2 NE;RR W	55	40h L S6	80,91 oct. Port rnwy lgts. P.
Hillsboro (Ore)	2.4 ENE;RR E	200	41h L5 S6	80,91 oct. line NNW.
Bellevue (Seattle, Wash)	9.5 E	345	22h S6	80,91 oct. Rdo prs. Rnwy data unver.
Stewart (Danville, Ind.)	2 E;hwy N	750	25 S2	80 oct. Wires N,S. Use strips.
Skylife (Fairview, Ore.)	4 W;RR N	243	28 S1	80 oct. Pwrline ESE.
Division Street (Ore.)	2.4 WNW;RR E	250	28 S6	80,91 oct, S bldg, Trees N.
Auburn (Wash.)	1.8 ESE;lk NE	276	24 S6	80,91 oct.
Evergreen Fld (Orchards, Wash.)	3.6 SSE-hwy S	310	24 S6	80 oct. Port lgts prior req.
Elliott-Martinsville (Martinsville, Ind)	2.8 WSW;RR N	600	26 S2	80 oct. P-line N,SW,NW.
S & S Airstrip (Graham, Wash)	3.9 N;hwy E	520	13	Tall grass SSW.
SEATTLE NAS H Fac. (Wash.)	414 (X)		MHW	Opers cont.
Converse (Ind.)	1 W SW;hwy N	850	33	

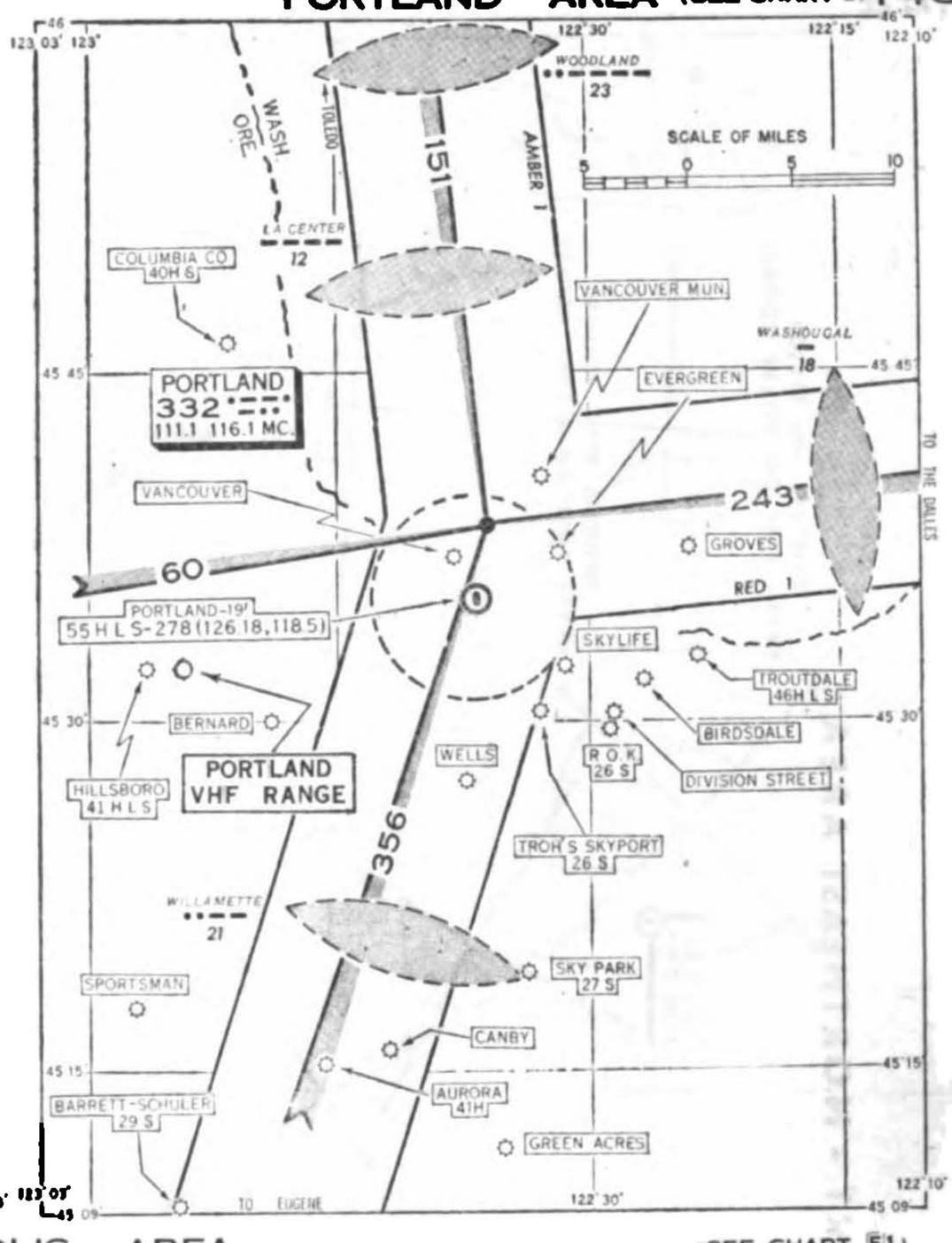
RADIO: S – Simul. Range and Voice. W – Without Voice. Z – VHF Range Station Location Marker. (3) – 3105, 4495, 6210 kcs. (4) – 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. (vhf) – Voice on 116.1 and 111.1 mcs. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.
● A.A.C.S. Scheduled Broadcast on 4765 kcs. (First Figure is Scheduled time, Second Alternate time)

AIRPORTS: h – hard surfaced runways. L – Lighting facilities. S – Servicing. (see page XIII)
→ New or revised data. [Jones] – Airline Stop. N. B. Radio facilities are all CAPITALIZED.
Airports are indented and non-capitalized.

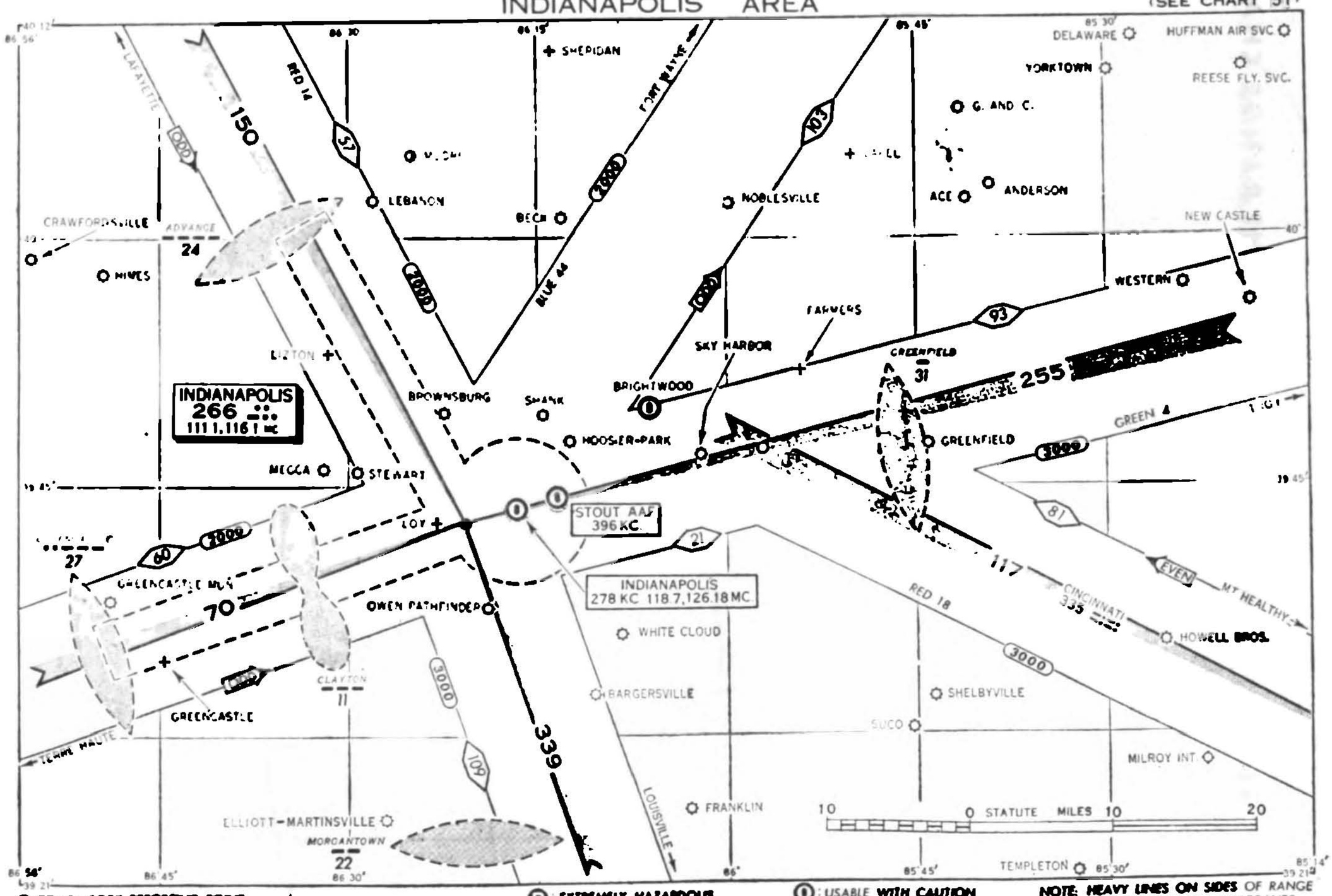
SEATTLE AREA (SEE CHART 2)



PORTLAND AREA (SEE CHART 2)



INDIANAPOLIS AREA (SEE CHART 51)



● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

FOR V.H.F. RANGES SEE CHARTS 144 TO 148.

Ⓡ : EXTREMELY HAZARDOUS

Ⓞ : USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS

VHF RANGE CHART - NORTHEAST AREA

MASSENA 108.7 I
WATERTOWN 109.1 I
OMNI CHICAGO 115.5 I
OMNI SOUTH BEND 112.3 I
TOLEDO 113.1 I
OMNI CLEVELAND 113.9 R
OMNI YOUNGSTOWN 114.7 I
WELLINGTON 108.7 I
MILLBROOK 109.1 I
CHICAGO HGTS. 108.3 I
OMNI ANGOLA 114.3 I
CLINTON CO. AAF 114.3 I
CLINTON CO. AAF 272 KC, 116.1, 126.18, 140.58 MC.
PHILIPSBURG 108.7 I
SUNBURY 108.3 I
WHEELING 108.3 I
ATLANTIC CITY 108.3 R
PROVIDENCE 108.7 I
MATAWAN 108.7 I
SCOTLAND 108.7 I
LEXINGTON 108.3 I

VHF CHANNEL ASSIGNMENTS	
FREQUENCY	CHANNEL
108.3	U
108.7	V
109.1	W

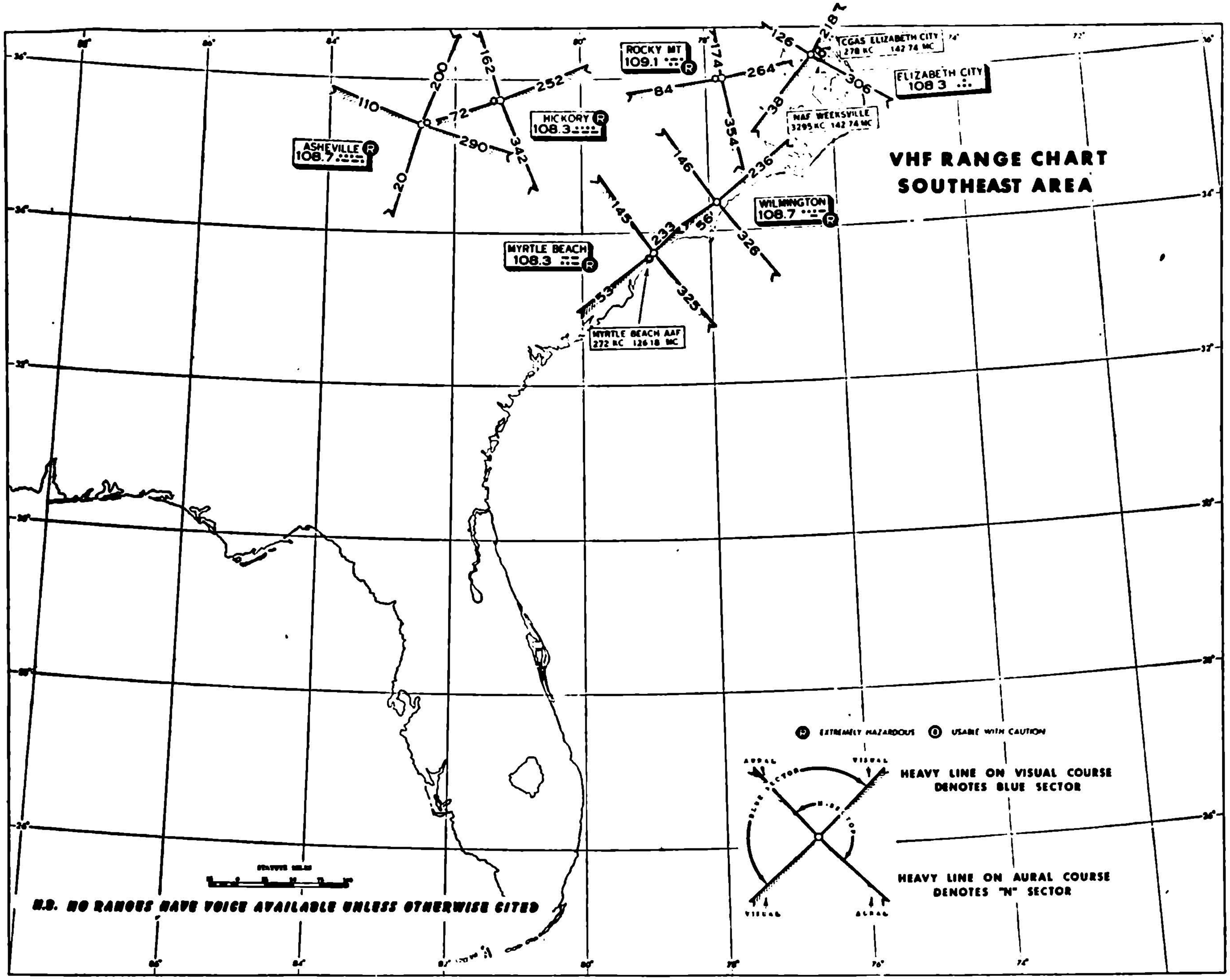
N.B. NO RANGES HAVE VOICE AVAILABLE UNLESS OTHERWISE CITED

R EXTREMELY HAZARDOUS I USABLE WITH CAUTION

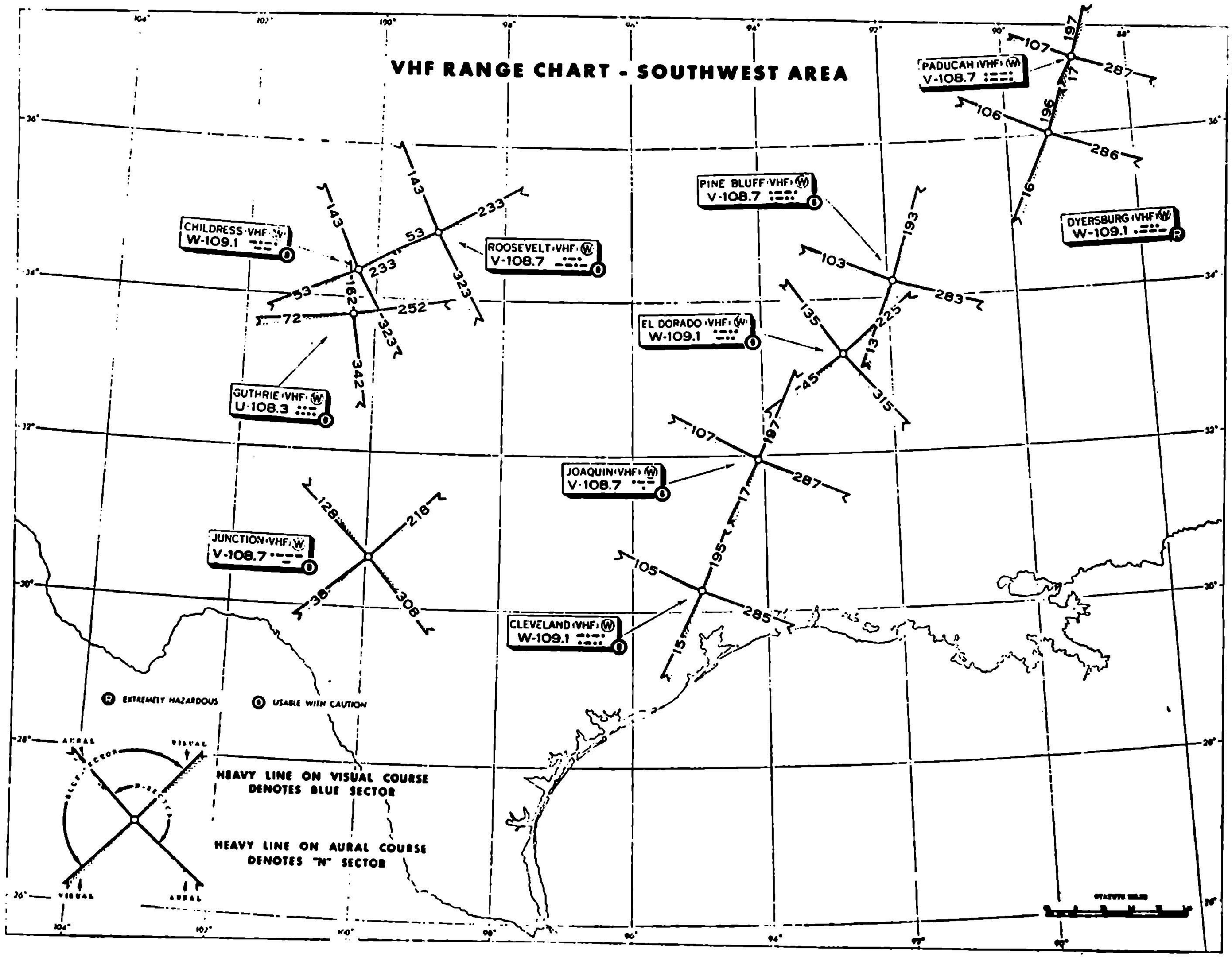
HEAVY LINE ON VISUAL COURSE DENOTES BLUE SECTOR

HEAVY LINE ON AURAL COURSE DENOTES "N" SECTOR

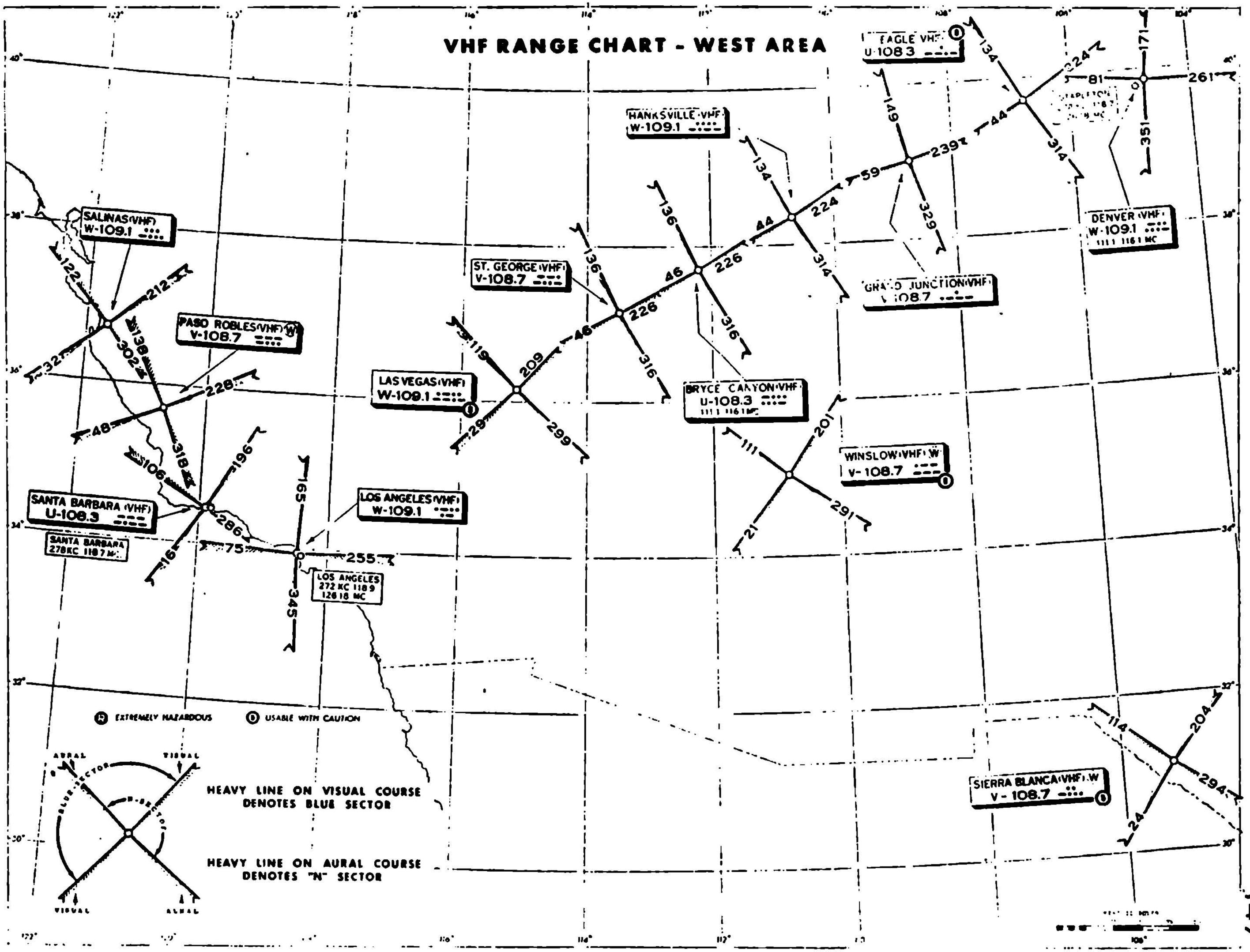
STATUTE MILES


VHF RANGE CHART
SOUTHEAST AREA
ROCKY MT
109.1
HICKORY
108.3
ASHEVILLE
108.7
TCGAS ELIZABETH CITY
278 RC 142.74 MC
ELIZABETH CITY
108.3
NAF WEEKSVILLE
329.5 RC 142.74 MC
WILMINGTON
108.7
MYRTLE BEACH
108.3
MYRTLE BEACH AAF
272 RC 126.18 MC
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
HEAVY LINE ON VISUAL COURSE
DENOTES BLUE SECTOR
HEAVY LINE ON AURAL COURSE
DENOTES "N" SECTOR
N.B. NO RANGES HAVE VOICE AVAILABLE UNLESS OTHERWISE CITED

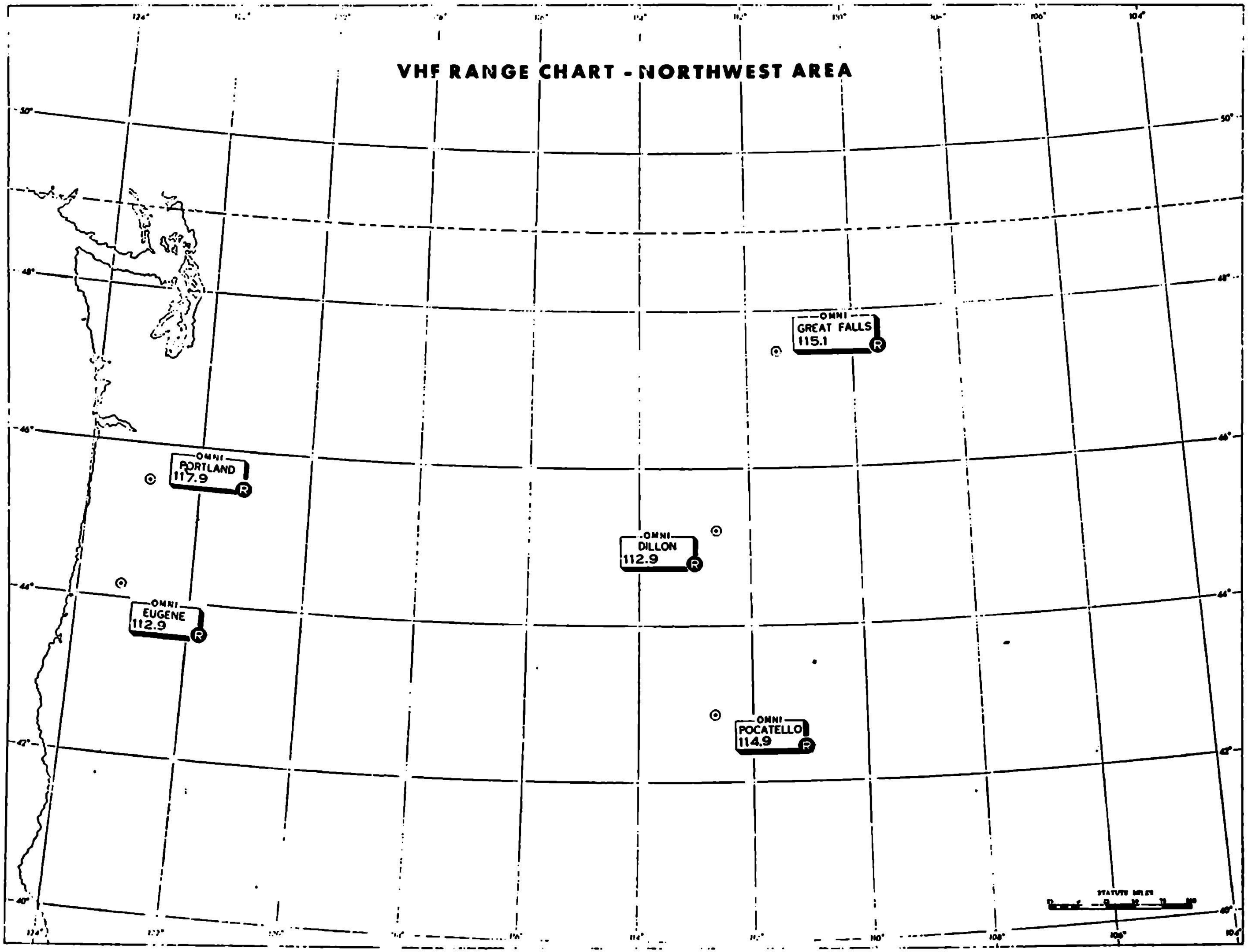
VHF RANGE CHART - SOUTHWEST AREA



VHF RANGE CHART - WEST AREA



VHF RANGE CHART - NORTHWEST AREA



AIRWAY MILEAGES

ALBANY - BOSTON	147
ALBANY - MONTREAL	195
ALBANY - NEW YORK	146
ALBUQUERQUE - AMARILLO	278
ALBUQUERQUE - DENVER	408
ALBUQUERQUE - WINSLOW	234
AMARILLO - OKLAHOMA CITY	252
AMARILLO - WICHITA	300
ATLANTA - MOBILE	299
ATLANTA - SHREVEPORT	579
ATLANTA - WASHINGTON	577
BIG SPRING - FORT WORTH	253
BIG SPRING - EL PASO	282
BILLINGS - HELENA	195
BIRMINGHAM - ATLANTA	141
BIRMINGHAM - MEMPHIS	268
BISMARCK - BILLINGS	384
BOSTON - BANGOR	210
BOSTON - BUFFALO	403
BOSTON - BURLINGTON	192
BOSTON - MONTREAL	265
BOSTON - PORTLAND	95
BROWNSVILLE - SAN ANTONIO	273
BUFFALO - CHICAGO	506
BUFFALO - DETROIT	249
CHARLESTON - CINCINNATI	152
CHARLESTON - RICHMOND	362
CHARLESTON - ST. LOUIS	475
CHARLESTON - WASHINGTON	461
CHICAGO - CINCINNATI	279
CHICAGO - DES MOINES	318
CHICAGO - MINNEAPOLIS	370
CHICAGO - ST. LOUIS	257
CLEVELAND - CHICAGO	320
CLEVELAND - DETROIT	107
DENVER - ALBUQUERQUE	408
DENVER - AMARILLO	378
DENVER - OMAHA	486
DENVER - SALT LAKE	469
DENVER - SHERIDAN	400
DES MOINES - DENVER	604
DETROIT - CHICAGO	257
EL PASO - ALBUQUERQUE	251
EL PASO - PHOENIX	383
EL PASO - SAN DIEGO	666
FARGO - BISMARCK	187
FORT WORTH - EL PASO	545
FORT WORTH - OKLAHOMA CITY	181
FORT WORTH - MONROE	310
GREAT FALLS - BILLINGS	202
GREAT FALLS - SALT LAKE	488
GREAT FALLS - SPOKANE	299
GREENSBORO - ATLANTA	307
HELENA - SPOKANE	269
HOUSTON - ALICE	222
HOUSTON - CORPUS CHRISTI	184
HOUSTON - DALLAS	267
HOUSTON - FORT WORTH	271
HOUSTON - SAN ANTONIO	238
INDIANAPOLIS - ST. LOUIS	222
JACKSONVILLE - ATLANTA	275
JACKSONVILLE - CHARLESTON	208
JACKSONVILLE - NEW ORLEANS	529
KANSAS CITY - CHICAGO	413
KANSAS CITY - DENVER	568
KANSAS CITY - HURON	416
KANSAS CITY - MINNEAPOLIS	471
KANSAS CITY - ST. LOUIS	205
KEY WEST - MIAMI	157
KNOXVILLE - NASHVILLE	151
LAS VEGAS - SALT LAKE	370
LOS ANGELES - LAS VEGAS	277
LOS ANGELES - SALT LAKE	647
LOS ANGELES - SAN FRANCISCO	362
MEMPHIS - FORT WORTH	468
MEMPHIS - NEW ORLEANS	349
MEMPHIS - ST. LOUIS	261
MEMPHIS - TULSA	362
MIAMI - JACKSONVILLE	334
MIAMI - TAMPA	222
MINNEAPOLIS - FARGO	228
NASHVILLE - MEMPHIS	205
NEW ORLEANS - HOUSTON	313
NEW YORK - BUFFALO	291
NEW YORK - BOSTON	193
NEW YORK - CLEVELAND	433
NEW YORK - PITTSBURGH	335
NEW YORK - ROCHESTER	277
NEW YORK - SYRACUSE	193
NEW YORK - WASHINGTON	228
OKLAHOMA CITY - WICHITA	158
PENDLETON - SALT LAKE	495
PHILADELPHIA - PITTSBURGH	258
PHOENIX - LOS ANGELES	369
PITTSBURGH - CLEVELAND	124
PITTSBURGH - INDIANAPOLIS	353
PITTSBURGH - NEW YORK	361
PORTLAND - BANGOR	115
PORTLAND - PENDLETON	185
PORTLAND - THE DALLES	73
PORTLAND - SEATTLE	131
RICHMOND - WASHINGTON	98
ROANOKE - KNOXVILLE	244
SACRAMENTO - SAN FRANCISCO	76
ST. LOUIS - CHICAGO	257
ST. LOUIS - KANSAS CITY	205
ST. LOUIS - MEMPHIS	261
SALT LAKE - BUTTE	379
SALT LAKE - GREAT FALLS	488
SALT LAKE - SACRAMENTO	549
SAN ANTONIO - CORPUS CHRISTI	168
SAN ANTONIO - BIG SPRING	267
SAN ANTONIO - DALLAS	251
SAN ANTONIO - FORT WORTH	258
SAN DIEGO - LOS ANGELES	106
SAN FRANCISCO - PORTLAND	574
SAN FRANCISCO - SALT LAKE	625
SAN FRANCISCO - SEATTLE	705
SEATTLE - SPOKANE	245
SHERIDAN - GREAT FALLS	307
SPOKANE - PENDLETON	161
SPOKANE - SEATTLE	245
TALLAHASSEE - BIRMINGHAM	297
TALLAHASSEE - NEW ORLEANS	363
TAMPA - TALLAHASSEE	225
TULSA - ALBUQUERQUE	629
WASHINGTON - CHARLESTON	267
WASHINGTON - GREENSBORO	271
WASHINGTON - NEW YORK	226
WASHINGTON - PITTSBURGH	190
WASHINGTON - ROANOKE	196
WICHITA - KANSAS CITY	176
WINSLOW - LOS ANGELES	502

N.B. The attempt to superimpose VHF ranges cartographically upon the low frequency system practically nullified the Guide charts for either VHF or LF navigation.

It was decided, therefore, to give the VHF ranges separate coverage. With the Guide's stringent page limitations, separate VHF range charts necessitated the elimination of the Civil Airways and Mileage Charts. Specific flight advisory and traffic control area boundaries and specific fix mileages, however, may still be found on the individual Guide Charts.

It is hoped that the mileages tabulated above facilitate flight planning because the addition of small sector mileages is no longer necessary.

NOTICES TO AIRMEN

SPECIAL NOTICES

ARMY DATA: Advice covering Army fields or Army operations on civil fields, or Army radio facilities, and also Air National Guard fields and facilities should be forwarded to Commanding General, Air Transport Command, ATTN: Flight Operations Division, A-3. Requests for approval of the closing of Army airfields or restrictions in airfield facilities to transient military aircraft for over 10 days should be forwarded to the same address for submittal to Headquarters Army Air Forces, as required. Restrictions in Air National Guard Fields or facilities will be forwarded to the National Guard Bureau through the State Adjutant General for approval. That Bureau will forward approved restrictions to the above address for publishing. Information to be published will be coordinated and submitted to the Civil Aeronautics Administration.

NAVY DATA: In accordance with Hydrographic Office Memorandum for Aviators No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air /gnd communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25,D.C. for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter No. 96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

CIVIL DATA: The Airman's Guide covers primarily two broad fields of civil airport information, namely so-called permanent data changes and temporary hazardous conditions. Permanent airport data refer to new airports or changes in field layout, servicing, lighting, or permanent obstructions of existing airports. Temporary hazardous conditions refer to conditions that make such airports temporarily unusable or usable only with caution. Such hazardous conditions could be, for example, a field closed because of floods, spring thaws, or construction; or merely a burned-out obstruction light or a runway partially unusable because of construction. Obviously, temporary hazardous conditions should be reported to the aeronautical public at once. The necessity for reporting additional aids or minor changes in existing aids, however, isn't nearly as cogent In other words, a temporarily closed airport is ordinarily of much more importance from a safety angle than is a new airport, and the aeronautical public should be told about it as expeditiously as possible.

Notamizing of advice covering a field unusable because of flood, or snow, a runway closed because of construction, or the erection of a pole-line in an approach, doesn't necessitate an engineering background on the part of the reporter Too, safety frequently necessitates the notamizing of such advice before an official check can be made. On the other hand, advice covering permanent airport data changes, such as a new airport, or a lengthened landing strip, or an additional hangar, obviously doesn't require the same expeditious transmission to the aeronautical public, and the data may be checked from an engineering standpoint and for standardization before being publicized.

SUMMATION: (a) Since the aeronautical public should be immediately advised of hazardous conditions, reporters should utilize the CAA Airways Communications Stations The item to be reported, therefore, should either be telephoned or mailed to the nearest communications station for dissemination as a notam and for further transmission to the publishers of the Airman's Guide.

(b) Permanent airport data changes (as differentiated from temporary hazardous conditions) should be reported to the appropriate CAA District Airport Engineer for coordination before they are included in the Airman's Guide.

USE OF AIRPORTS BY MILITARY AIRCRAFT: (1) AAF REGULATION 85-2: The attention of Army clearance personnel and of Army pilots is invited to the provisions of Section III, AAF Regulation 85-2 and AAF Regulation 85-2A, which state in part: "Except for those Army aircraft assigned to civil contractors or agencies under bailment contract, no Army aircraft will utilize civil airports which have not been leased, purchased, or where AP-4 or similar landing rights agreements have not been negotiated by the Government, except in case of emergency or in case of official business. Each instance of flights in AAF aircraft for official business will be covered by competent air force, major air command, or higher authority orders. Each instance of flights for official business in organic aircraft of the Army Ground Forces will be covered by written orders of the commander of the unit to which the aircraft is assigned. These written orders must designate the field of intended landing. Unauthorized use of such airports is a substantiating factor in claims for damage with accompanying requests to the Government to bear maintenance and repair costs or to provide Government equipment at such civil airports. Notation will be made by clearing authorities in Remarks section of AAF Form 23 that competent authority authorizes use of such fields and will be transmitted in Remarks Section of the flight plan as 'authorized flight'. All landings by military aircraft without competent written orders on inactive, temporarily inactive Army airfields and civilian airports, except in case of emergency, will be limited to the ones identified by letters "A, N, NG, or P" in the Airman's Guide. It is the responsibility of the various air forces, major air commands and certain field activities under the direct control of the Commanding General, AAF, to prevent unauthorized use of airfields and airports as outlined in this Regulation".

2. "OFFICIAL BUSINESS" within the meaning of AAF Regulation 85-2 is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units, or organizations at or near the airfield selected for landing for the puspose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintaining flying proficiency are not considered to be official business within the meaning of this regulation.

3. POLICY OF ARMY USE OF TEMPORARILY INACTIVE AIRFIELDS: (a) Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein (directory section only) by the following notice: "ARMY TEMP INACTIVE - CIVIL FACS"
(b) Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft at the discretion of the Commanding Officer of the organization to which the aircraft is assigned. Such airfields will be identified herein (directory section only) by the following notice: "TEMP INACTIVE. NO FACS.". Above policy statement is not to be construed as countermanding any AAF Regulations or letters governing command use of municipal airports or Army airfields.

4. "CLOSED" ARMY AIRFIELDS: Under the provisions of AAF Regulation 60-23 or under specific direction of the CG, AAF, from time to time certain airfields under the jurisdiction in whole or in part of the Army Air Forces will be listed as "CLOSED": Such as, (a) Fields closed to all transient traffic except on official business or in emergency; (b) Fields that have been declared surplus to the AAF and on which permits have not been issued for civil use or which have not been otherwise disposed of by WAA. The listing "CLOSED" will appear in the directory section only. Airfields so designated will be used on official business only under written orders in each case.

CLEARANCE OF AAF AIRCRAFT: National Guard Units are not authorized to clear AAF aircraft. At bases occupied solely by National Guard, clearance for AAF aircraft will be obtained from Flight Service in accordance with provisions of paragraph 2, AAF Regulation 60-22.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA AND AZORES - Brookley Fld, Ala., MacDill Field, Fla., Washington National Arpt, D.C., or Westover Field, Mass. ALASKA - McChord Fld, Wash., or Great Falls AAF, Mont. BERMUDA - Mitchel Field.

✓ Indicates new or revised Special Notices

N.Y., Brookley Fld, Ala., MacDill Field, Fla., Washington National Airport, D.C., or Westover Field, Mass. CANADA - Great Falls AAF, Mont., Brookley Field, Ala., McChord Fld, Wash., Washington National Airport, D.C., Selfridge Field, Mich., or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif., MacDill Field, Fla., Kelly Field, Tex., or Brookley Fld, Ala. CARIBBEAN - Brookley Fld, Ala., Kelly Fld, Tex. or MacDill Field, Fla ENGLAND, GREENLAND, ICELAND, AND NORTH IRELAND - Washington National Arpt., D.C., or Westover Field, Mass. NOVA SCOTIA AND NEWFOUNDLAND - Washington National Arpt., D.C., Westover Field, Mass., Selfridge Field, Mich., or Brookley Fld, Ala. HAWAII - Fairfield-Suisun AAF, Calif. EUROPEAN THEATER - Brookley Fld, Ala., MacDill Fld, Fla., Washington National Arpt., D.C., or Westover Fld, Mass.

PILOT PROCEDURES WITH FLIGHT SERVICE, USING AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): (1) Departure from AAF Bases: No change. References: AAF Regulations 15-23 and 60-22 (2) Departure from non-AAF Bases: All pilots of AAF aircraft departing from a non-AAF base will file a complete flight plan, with, and when necessary secure approval from, the nearest Flight Service Center prior to take-off, or as outlined in AAF Regulation 60-22. Communication with a Flight Service Center may be established by a collect telephone call. When a telephone is not available the nearest AAF base or AACS station may be contacted by radio After obtaining the Flight Service approval, pilots contemplating flight under Instrument Flight Rule conditions will secure a CAA Airway Traffic Control clearance The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA communications facilities. However, if CAA commun. facs. are not available, the CAA clearance may be obtained through Flight Service. (3) Change of Contact Flight Rule (CFR) Flight Plan Enroute: AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACA airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of IFR Flight Plan, or CFR to IFR, or IFR to CFR Enroute: Any AAF aircraft requiring a change or route, altitude, point of first intended landing, cruising speed, or alternate airport, or change from CFR to IFR, or IFR to CFR, enroute will contact a CAA communications station for CAA Airway Traffic Control clearance and Flight Service approval if necessary. Pilots possessing clearance authority must furnish Flight Service their new flight plan. If communication with a CAA communications station cannot be established, an AACS airways radio station will be contacted for coordination between CAA and Flight Service and to obtain CAA Airway Traffic Control clearance and Flight Service approval when necessary. (5) CFR Position Reports: When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS airway radio stations enroute and receive any necessary advisories from Flight Service. One position report each 30 minutes is considered adequate. (6) IFR Position Reports: When flying under IFR conditions, pilots will first make position reports to CAA communications stations as heretofore required by Civil Air Regulations, and then to AACS airways radio stations en route, and receive any pertinent Flight Service advisories (7) Voice Calls: AACS airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio". (8) Arrival Reports at non-AAF Bases: Arrival reports from fields where there is no established AAF Base Operations will immediately be sent by the most expeditious means available or by a collect telephone call to the nearest Flight Service Center. (9) RON Messages: At bases not connected with Flight Service Centers by military interphone, pilots may file RON messages via long distance telephone to the Flight Service Center at the time the arrival report is filed (10) All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency, and service obtainable. An Index of AACS airways stations within the U.S., together with a listing of the assigned frequencies, may be found on pages 100 and 101 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service	
A	116.1 mcs.	CAA AIRWAYS (RANGE STATIONS)	** AACS Airways
B	126.18 mcs.	CONTROL TOWERS	(Plan 62)
C	137.88 mcs.	AACS AIRWAYS (PLAN 62)	** Control Towers
D	140.58 mcs.	MILITARY EMERGENCY & GCA FINAL APPROACH	

** Available for service indicated on a secondary basis. CONTROL

(11) It will be some time before all AAF aircraft are equipped for operation on AACS airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt to make position reports to Flight Service as described above. Emergency Flight Service advisories, however, may be transmitted to such aircraft on the AAF control tower frequency Aircraft which are equipped for operation on AACS airways frequencies will contact airways station whenever possible rather than AAF control towers. (12) The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA AREA	FLIGHT SERVICE AREA	PHONE NO.
Washington; Pittsburgh; New York; Boston	Olmsted Flight Service Center Middletown, Penna.	Steelton 93387 Steelton 93470
Jacksonville; Miami	MacDill Flight Service Center Tampa, Fla.	Tampa H-4871
Memphis; New Orleans; Atlanta	Maxwell Flight Service Center Montgomery, Ala.	Montgomery LD 89
Cleveland; Cincinnati; Detroit;Chicago;St. Louis	Wright Flight Service Center Dayton, Ohio	Osborn 88691 Osborn 88692
Ft. Worth; San Antonio; part of El Paso	Ft. Worth Flight Service Center** Fort Worth, Tex.	Fort Worth 77251
Denver; Minneapolis; Kansas City	Lowry Flight Service Center Denver, Colo.	Denver LD 116 LD 117
Los Angeles;Albuquerque; part of El Paso	March Flight Service Center** Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland; Salt Lake	Hamilton Flight Service Center Hamilton Field, Calif.	San Rafael 770 San Rafael LD-20
Great Falls;Seattle	McChord Flight Service Center Tacoma, Washington	Tacoma LD-20 Tacoma LD-21

**REVISION OF ARMY FLIGHT SERVICE CENTER AREAS: The boundary between the March and Fort Worth Flight Service Areas has been moved. That part of the El Paso CAA area lying E of the following points now falls within the Fort Worth Flight Service Area; that part lying W within the March Flight Service Area: From 25 miles SE of the Clarendon Range, thence SSW to lat. 33°, long. 101°35', thence W to 33°-104°, thence S to 31°-104°, thence W to the U.S.-Mexican Border at 31°-105°34'.

IFR CLEARANCE OF ARMY AIRCRAFT: Except as outlined below, no Army aircraft will be cleared for instrument flight unless such aircraft is equipped with a low frequency radio receiver capable of reception in the 200 to 400 kc. band. The BC-1206 (Detrola) receiver is not considered adequate as regards compliance with this directive. Aircraft not so equipped may be permitted to clear under IFR when the instrument type clearance is necessitated by reduced local visibility caused by fog, smoke, or haze, or when the flight will not be conducted under conditions which will require navigation by radio.

CLEARANCE OF AAF AIRCRAFT IN NEW YORK CITY AREA: In accordance with notification from Headquarters, Army Air Forces, July 2nd AAF Letter 63-9 has been rescinded and the following instructions will govern the clearance of AAF aircraft in the New York City Area: For clearance purposes into or from the New York City Area (encompassed by a 25 mile radius from the southern tip of Manhattan) CFR is defined as ceiling at least 2000' and visibility 3 miles or more; IFR when the visibility is not less than one mile and the ceiling is unlimited, or when the ceiling is not less than 5000' and the visibility not less than 2 miles. AAF aircraft flying into

the New York City Area may be cleared to any authorized field therein provided weather conditions are not less than those defined above. In all cases in-flight approval from Olmsted Flight Service Center by contacting Olmsted Airways, Rome Airways, Westover Airways, Mitchel Airways, or Ft. Dix Airways must be obtained prior to proceeding to the field of destination. All pilots whose destination is an airfield within the area will indicate on the AAF Form 23 that their flight plan to the field of destination is via any of the five stations listed. Flights for which the point of first intended landing is Mitchel Field may be made using normal clearance procedure and restrictions outlined herein are not applicable to that station. AAF aircraft engaged in regularly scheduled transport flights under the operational control of the Air Transport Command are exempt from these restrictions.

SELECTION OF WEATHER ALTERNATES BY ARMY PILOTS: In accordance with policy stated by the CG, AAF April 7, 1947, Army pilots are not to be refused IFR clearances because of selection of other than "A, N, NG, or P" fields as an alternate. The selection of an alternate airport is a planned procedure to be resorted to in case of emergency and any suitable airport, military or civilian, will be accepted for clearance purposes. Concerning this policy, it is pointed out that pilots who do utilize other than "A, N, NG, or P" fields under such circumstances may be called upon to justify their use of same.

V.H.F. CHANNEL ASSIGNMENTS:

Following are Army assignments:

Channel	Frequencies
A	116.1
B	126.18
C	137.88
D	140.58
G	137.70
H	134.10
U	108.3
V	108.7
W	109.1

Following are Navy assignments:

Channel	Frequencies
1	116.1
2	142.56
3	126.18
4	128.70
5	143.28
6	134.64
7	143.64
8	142.02
9	142.74
GUARD	140.58

ARMY DISTRESS, AND SEARCH AND RESCUE PROCEDURE: 1. When an aircraft is in distress and the pilot is unable to establish two-way communication on any frequency, he will transmit as follows: "Mayday. Mayday. Mayday. This is Army 1 2 3 4, this is Army 1 2 3 4, this is Army 1 2 3 4, my approximate position is --, Over." Pilot may follow this emergency transmission with any other information he deems necessary. Although Channel "D" (140.58 mcs) has been designated as the Joint Army-Navy emergency frequency, the pilot in distress will use any or all frequencies at his disposal. Communication coverage on various frequencies will vary depending upon the location of control tower, airways, VHF/DF, and other radio stations. 2. To request escort by Air Rescue Service rescue plane when two-way communication can be established, aircraft in distress will: (a) Contact Flight Service through nearest AACS airways station. (b) Give position report; if position is not known, request QTF (Fix). (c) Give nature of trouble, also estimated time plane can remain aloft. (d) Follow instructions transmitted by Flight Service. (e) Follow instructions of Air Rescue Service aircraft after contact is accomplished. 3. To report sighting of crashed aircraft: (Note: Previously reported and identified crashes are marked with yellow paint). (a) Contact Flight Service through nearest AACS airways station. (b) Give position of crash. (c) Evidence of survivors, type and number of aircraft (if possible). (d) Follow instructions transmitted by Flight Service. (e) Immediately after landing make a complete report for transmission to the nearest Air Rescue Unit; also notify nearest Army Air Forces installation.

SERVICING FOR ARMY AIRCRAFT: Transient Army servicing is usually available at active Army airfields and, when available, is indicated in the remarks column, data section by an "S" designation (as defined under data legend) and octane ratings of gas are shown. At airport designated by a single (A) in the "Airman's Guide" (joint use with civil interests), Army servicing is available unless remarks column carried "ARMY TEMP INACT-CIVIL FACS." Notation is given in remarks column to servicing available for military aircraft: for example, "91,100 oct. Army" This may be contract service. As a matter of policy, limited servicing and maintenance will be available to transient military aircraft at Air National Guard Fields (on Form 15) Notation with regard to available facilities will be shown in the remarks column; for example, "91,100 oct. NG". At (P) or civil fields, military servicing or Army contract fuel will not be available; servicing may be secured in emergency only on a Form 15. Army servicing may be procured at Navy fields on a Form 15.

✓ REVISION TO ARMY FLIGHT CLEARANCE PROCEDURE: Effective August 15, 1947, within the continental limits of the U.S., flight clearance procedure is revised as follows: (Conflicting portions of AAF Regulation 15-23 and 60-16 are being rescinded): All written weather data will be eliminated from Form 23. Forecaster will indicate on Form 23 whether the flight should be conducted under IFR or CFR conditions. A verbal briefing consisting of at least the following factors will be given: (1) Existing synoptic situation and terminal forecast for destination, and if required, for alternate. (2) Existing route weather. (3) Location of pertinent hazardous weather areas and recommended procedures for avoiding them. The pilot will certify on Form 23 as follows: "I have been adequately briefed on the current and forecast weather affecting my flight and I understand the weather situation". A written or cross section forecast will be furnished only upn request submitted two hours in advance. At non-AAF bases and AAF bases where no forecaster is on duty, the appropriate Flight Service Center forecaster will brief the pilot verbally over the interphone system or telephone: The Flight Service dispatches will monitor receipt of pilots acknowledgment of adequate weather briefing.

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof

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✓ REISSUANCE OF EXPIRED PILOTS CERTIFICATES: 20.550 Reissuance: Any person who on June 30, 1947, held a valid private or commercial certificate and who failed to exchange such certificate in accordance with Section 20.55 of the Civil Air Regulations, may, notwithstanding such failure and without other showing, obtain a pilot certificate with appropriate ratings upon application to the Administrator.

✓ PERSONAL POSSESSION OF PILOT CERTIFICATE: No person shall pilot a civil aircraft within the U.S. unless he holds a valid pilot certificate with appropriate ratings issued by the Administrator or an appropriate and valid foreign pilot certificate. Such certificate shall be in the personal possession of the pilot at all times while piloting aircraft and shall be presented for examination to any inspector of the Administration or State or local law enforcement officer upon the request of such inspector or enforcement officer.

✓ ISSUANCE OF STUDENT PILOT CERTIFICATES AND TEMPORARY STUDENT PILOT CERTIFICATES. DURATION OF PILOT CERTIFICATES WITH PRIVATE OR COMMERCIAL RATING: The purpose of this regulation is to provide that (1) an authorized representative of the Administrator, as well as the Administrator, may issue student pilot certificates, (2) temporary student pilot certificates as well as pilot certificates with private or commercial rating may be issued by the Administrator or his authorized representative, and (3) pilot certificates with a private or commercial rating shall not have a prescribed expiration date. Effective July 22, 1947, Part 20, of the C.A.R. was amended to read in part as follows: "20.00 Issuance. A student pilot certificate will be issued by the Administrator or his authorized representative to an applicant who meets the applicable requirements." "20.51 Duration. (A) A student pilot certificate shall expire 24 calendar months after the month of issuance. (b) a pilot cer-

tificate with a private or commercial rating shall remain in effect unless it is suspended, or revoked, or a general termination date for such certificate is fixed by the Board." "20.52 Temporary certificates. The Administrator or his authorized representative may issue a temporary student pilot certificate or a temporary pilot certificate with a private or commercial rating for a period of not to exceed 90 days, subject to the terms and conditions specified therein by the Administrator. 20.53, Reinstatement, repealed.

NOTICE TO ALL FLYING PERSONNEL: Because of the increase in aircraft operations, both civil and military, in recent months, the number of complaints regarding airplane noise nuisance has reached such proportions that the advancement of aviation and development of new airports are in danger of being severely retarded. To reduce the number of such complaints, it is requested that the following practices be put into effect by all fliers: (1) Discontinue all unnecessary low flying. (2) When weather and traffic volume permit, increase altitudes of all traffic patterns that require flight over inhabited areas. (3) Re-route channels of approach and departure to avoid residential and business districts whenever possible. (4) If the airport is located near inhabited areas, reduce power and increase pitch of propellers as quickly as possible during take-off so as to keep engine and propeller noises at a minimum (5) Keep rpm's set at a minimum required operational setting when low flying over populated areas is necessary.

✓ SEAPLANE BASE DIRECTORY: A new Seaplane Base Directory, dated June 15, 1947, has been mailed to all seaplane base operators and seaplane owners on record It is obvious from correspondence received that not all operatbrs and owners received their copies. This is notice, therefore, that any qualified non-recipient may have a copy upon request to: Office of Aviation Information, Attention: A-258, C.A.A., Department of Commerce, Washington 25, D.C.

RADIO TELEPHONE-OPERATION AUTHORIZATION: This is the simple way in which an authorization to operate a radio telephone transmitter in an aircraft is obtained: the applicant appears in any of the Federal Communications Commission field offices, or before any CAA flight examiner of the CAA, who has been designated by the FCC to issue the permits, proves he is a United States citizen, that he has need of such an authorization, and that he understands the few simple rules and regulations. He is given a card granting the authorization then and there. FCC offices are listed under U.S. Government in phone books, and there are some 30 of them throughout the country. Mostly, they are in downtown offices. There are more than 1,000 CAA designated flight examiners. Mostly they are located at airports. The "examination", if it may be so described, consists of a few questions establishing the ability of the applicant to transmit and understand spoken messages in English, and to understand the simple rules governing the use of such equipment. He is also given simple, printed instructions for its use.

V.H.F. IFR FLIGHTS: Until further notice, Air Traffic Control will be exercised on the assumption that aircraft are utilizing intermediate frequency radio ranges. If a pilot desires to conduct IFR flight using VHF ranges over all or a portion of the route, his flight plan should so indicate. Further, flight should not be conducted on civil airways in IFR weather using VHF ranges unless the ATC clearances so authorize. (See pages 144, 145, 146 for VHF range coverage).

NEW PRIVATE FLIER VHF FREQUENCIES: All CAA Communications Stations and Towers are discontinuing receiving watches on 131.7 mcs. and 131.9 mcs. as new equipment becomes available to guard the new private flier frequencies of 122.1 mcs. for transmission to CAA Communications Stations and 122.5 mcs. for transmission to CAA operated towers. Practically all CAA towers now guard 122.5 mcs. but the communications station program is not fully effective yet because of non-receipt of the new receivers. CAA Communications Stations normally reply to itinerant aircraft on the voice feature of the range, low frequency or VHF, whichever is applicable. Replies are made on 111.1 mcs if VHF reply has been requested on other than range frequency. CAA airport control towers will reply to itinerant aircraft on one of the frequencies 118.3, 118.5, 118.7, or 118.9 mcs: in addition to towers' low frequencies. See individual data pages in the Airman's Guide for inclusion of these frequencies as commissioned.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS: The time of observation for all weather reports is 30 minutes after the hour, unless otherwise announced. Pilots enroute are requested to avoid, if possible, calling airway communications stations at or about 15 and 45 minutes past the hour (which are the scheduled broadcast times) to request weather information, as such calls may delay starting of scheduled broadcasts and cause inconvenience to other persons who are dependent on the broadcasts for weather reports.

RADIOTELEPHONE COMMUNICATIONS: The word ROGER in radiotelephone communications means "I have received all of your last transmission", and its use in any other sense by CAA stations and towers is not authorized. In order to avoid confusion it is suggested that pilots engaging in air-ground contacts also limit the use of ROGER to acknowledgment of transmissions.

INSTRUMENT FLIGHT, NEW YORK METROPOLITAN AREA: Revised arrival, departure, holding instrument approach and control procedures utilizing new radio aids were placed in effect in New York Metropolitan Area. Non air carrier pilots proposing instrument flight through this area or to or from Newark, Mitchel, or La Guardia Fields should write the Chief Controller, New York Air Traffic Control Center, Box 575, La Guardia Field, New York, for copies of applicable Operations Letters describing these procedures

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CFR FLIGHT PLANS, AND ARRIVAL REPORTS: CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. One hour after E.T.A., if no notice of arrival is received, queries are sent out over CAA communications systems. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. To reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

TETRAHEDRONS: The tetrahedrons at the following airports were discontinued July 1, 1947: Atlanta Arpt, Ga., Orlando Arpt, Fla., Birmingham Arpt, Ala. Those at the following airports were leased to municipalities for maintenance and operation: Miami Arpt, Fla., West Palm Beach Arpt, Fla., Jacksonville Arpt, Fla., Tallahassee Arpt, Fla., Savannah Arpt, Ga., Charleston Arpt, S.C., Raleigh Arpt, N.C., Spartanburg Arpt, S.C., Charlotte Arpt, N.C., Winston-Salem, Arpt, N.C., Greensboro, Arpt, N.C., Nashville Arpt, Tenn., Knoxville Arpt, Tenn., Memphis Arpt., Tenn., Jackson Arpt, Miss. (7-3)

✓ REVISION OF A.T.C. AREA BOUNDARIES: Effective August 11, 1947, the boundaries between the Cleveland and Cincinnati ATC Areas were relocated as follows: On Red 27 - to 25 miles S of Findlay Radio Beacon Station; on Amber 6 - to 25 miles S of the intersection of Red 17 and Amber 6; on Blue 15 - to 25 miles SW of the intersection of Red 17 and Blue 15. Concurrent with the above the affected portion of the Cleveland-Cincinnati Flight Service Area boundaries will be relocated to connect with the above locations.

AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: Correct "TO-08-15-2", (a) page 45, AAF Air Rescue Svc, by showing 5th Rescue Sqd at MacDill Fld, rather than at Morrison Field. Telephone No. will be furnished at a later date. (b) page 24, by showing Flgt."D", 5th Rescue Sqd at Westover Fld. instead of Air Rescue Detachment #2.

Correct "TO-08-15-3", page 73, by deleting reference to Channel A at Marshall Field, Kans. radio range, as radio range cannot be contacted on this frequency.

Correct "TO-08-15-1", by showing N signal in NW quadrant at Eglin Field, Fla. Weather is broadcast at 29 minutes past the hour.

Correct Alaskan Airman's Guide, by changing the call letters of Kodiak GCA from "CORKY" to "KODIAK GCA".

Correct Flight Information Manual, Vol. 2, No. 1, dated July 1, 1947, (a) Chapter II, page 11, by changing the identification for Kirksville, Mo. to KKV instead of KKU. (b) Chapter III, page 17, by inserting Ontario, Ore. under 382 kcs. instead of 305 kcs. (c) Chapter XIII, page 168, by changing San Diego, Calif., Lindbergh Field remarks column to read "Climb to 3000' on SE leg. . ." (d) Chapter I, page 8, by showing Ponca City, Okla. as an MH fac. instead of a Range. (e) Chapter III, page 18, by adding Helena, Mont. to transmitting frequency index 111.1 mcs. (f) Chapter I, page 7, by listing New Florence, Mo. as an H fac. (g) Chapter IV, page 24, by showing the call letter for Lucin, Utah as KTWU instead of KYWU.

(h) Chapter IX, page 114, under heading of "Handling of CFR Flight Plans and Arrival Reports", erroneously states that CFR flight plans are forwarded in the same manner that IFR flight plans are. CFR flight plans are not transmitted. Upon termination of a CFR flight, the pilot should close out his flight plan. Notice of arrival is then sent over the C.A.A. communication system to the station holding the original flight plan. See page 153 of this issue for details.

(i) Chapter V (OFACS), page 27, by deleting the following data: Balboa - 3104,6210,transmitting; Canton - 11369, transmitting and receiving; Guantanamo - call sign "WFT"; Honolulu - 11369, transmitting and receiving on Honolulu - Canton - Palmyra Route; Palmyra - 11369, transmitting and receiving; San Francisco - "Seaplanes Only"; San Juan - 3182.5, 4917.5,2870, transmitting and receiving, 3117.5, 4495, receiving.

By adding the following data: Balboa - 3400, 6515 transmitting and receiving on Voice Balboa - Mexico Route; Canton - 500, 8280 transmitting and receiving on CW International Distress, 4495, 6970, receiving on Voice Military frequencies, 11344 transmitting and receiving; Everett - Remarks: At 15: Vancouver, B C., Victoria, B. C., Princeton, B. C., Portland, Ore., Yakima, Wash., Ephrata, Wash., At 25: Annette Island, Alaska, Patricia Bay, B. C., Port Hardy, B. C., Massett, B. C., Comox, B.C. At 37: Boeing Field, Seattle-Tacoma Airport,Seattle Naval Air Station,Everett; Wash., Bellingham,Wash., Vancouver, B.C.; Guam - Radio Call: KCD, 3395,6577,8577, 11369, transmitting and receiving on CW Opers. cont. Honolulu-Midway-Wake-Guam Route, 17319 transmitting and receiving on CW on req., 8280 transmitting and receiving on CW International Distress.; Guantanamo - Radio Call: NAW-1; Honolulu - 2976, 5165 transmitting on Voice Weather broadcasts at 15 and 45 past each hour: Honolulu terminal forecast and winds aloft plus John Rodgers Field, Hickam Field, Kanoehe, Ewa, Maui,Hilo, Port Allen, Barbers Point, Molokai, Lanai, Upolu Point, Barking Sands Surface Reports. Last five reports available only 0800H to 1600H, 500-8280 receiving on CW International Distress. Type Emission CW Weather broadcast every hour on half hour on all route frequencies in use when flights inbound: Honolulu and Hilo surface reports, 11344 transmitting and receiving on CW Honolulu-Canton-Palmyra-Sydney route; Miami - 6583 transmitting and receiving on CW Miami-San Juan-Canal Zone route; Midway - 17319 transmitting and receiving on CW on request; New York - 3380, 5960,8720,12395,16250 transmitting on CW Weather broadcast hourly at 55, surface reports: N.Y., Boston,Bangor,Newark, Philadelphia,Baltimore,Washington,Norfolk, plus navigation reports; Palmyra - 11344 transmitting and receiving on CW Opers. cont. Honolulu-Canton,Palmyra,Sydney route, 500-8280 transmitting and receiving on CW International Distress, 4495 receiving on Voice Military Frequency, 364 transmitting on Beacon and Voice Weather broadcast (local) at 05 and 35 hourly from 1800 to 0300 GCT; San Francisco - 4275,5145,6675 transmitting and receiving, 2940 transmitting and receiving; Trinidad - Radio Call: NYS-1; Wake - 17319 transmitting and receiving on CW on request; Anchorage - KIS, 1674,6537,9980 transmitting and receiving on CW Medium-long range, KCDW,2946, 5872.5,118.3 transmitting and receiving on Voice Medium range, KCDW 338 transmitting, and 3105,4495,6210,5037.5 receiving on Voice and Range Voice, Short Range, KIS, 500,8280 transmitting and receiving on CW International Distress, KIS 4580,8220 transmitting on CW Weather broadcast hourly at 52: Anchorage (Merrill,Elmendorf Flds), Fairbanks (Ladd, 26 mi. and Weeks Flds), Big Delta, Tanacross, Northway, Aishihik, Whitehorse, Sheep Mtn, Gulkana, Kodiak, No. Dutch Island, Middleton Isl, Cordova, Cape St. Elias, Yakataga, Yakutat, Gustavus, Kenai, Homer, Iliamna, Port Heiden, Ft. Randall, Ft. Glenn, Adak, Massacre Bay, Shemya.

WEATHER REPORTING SERVICE

Weather Reporting Location	Type of Report	Lat., Long.	Elev.	Action Taken
Ottumwa, Iowa	Raobs			Discontinued
Culiacan, Sinaloa, Mexico	6-hourly	24-49,107-24	600'	Established
Guaymas Son., Mex.	6-hourly	27-55,110-54	13'	"
Bishop, Calif.	Pibals	37-22,118-25	4145'	Begun
North Bend, Ore.	Supple.wea.	43-24,124-14	4'	Established
Corvallis, Ore.	Supple.wea.	44-30, 12-17	235'	"
McMinnville, Ore.	Supple.wea.	45-11,123-08	156'	"
Minross, Mich.	Hourly	46-15, 84-28	780'	"
Montrose, Colo.	Supple.wea.			"

NOTE: Hourly in lieu of supplementary weather reports now available from Roswell, New Mexico.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc.) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with 2-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields, and before taxiing and taking off, should be on the alert for and be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and C.A.R. Digest or Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons indicate suspension of CFR traffic.

AIRPORT AND RADIO NOTICES

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

FOREIGN DATA

SPECIAL NOTICES

FOREIGN ENTRY PROCEDURES, AIRPORTS OF ENTRY, CUSTOMS REPORTS, CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: These procedures and regulations were all incorporated into the Flight Information Manual, Vol. 2, No. 1, dated July 1, 1947. Only amendments to the data contained in the Manual will hereafter be carried in the Airman's Guide.

FREQUENCIES GUARDED BY U.S. OPERATED OCEAN STATION VESSELS: Effective Aug. 5, 1947, all U.S. operated ocean station vessels in the North Atlantic will guard 118.1 mcs for routing VHF communications with aircraft in lieu of 116.1 mcs. Continuous guard of 140.58 mcs. distress frequency remains unchanged.

UNITED KINGDOM MILITARY AIR BASE USAGE: The following United Kingdom Military Air Bases are available to civil air carriers of only U.S. and United Kingdom and to aircraft which were purchased in either the U.S. or the United Kingdom and are in ferry status. (a) for regular use: Kindley Field, Bermuda; Beane Field, St. Lucia; Coolidge Field, Antigua; and Atkinson Field, British Guiana. (b) for alternate use: Waller Field, Trinidad; Vernam Field, Jamaica; and Carlsen Field, Trinidad. Even though the above fields are open to civil air carriers and ferry status planes it is mandatory that the operators of such aircraft secure approval for use of these military air bases from Headquarters, AAF, Washington, D.C., prior to the departure of each flight or series of flights.

TRANSMISSION OF INTERNATIONAL NOTAMS: Effective May 10, 1947, the transmission of international notams to Service A circuits by WSY N.Y. was discontinued. Offices desiring receipt of this material should obtain receiving drops on the Service O system.

INTERNATIONAL RADIOTELETYPE CIRCUITS: Effective May 16, 1947, WFM Lagnes, Azores permanently decommissioned. The following radioteletype circuits are established and in operation at CSY Santa Maria; WSY New York; DIP Shannon; FXO Paris; NHY Port Lyautey. Inter-island radioteletype link CSY Santa Maria to WYQY Lagens will be continued until further advised. All above circuits are operating in accordance with ICAO Communications Procedures

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NAVAL COMMUNICATIONS WITH COMMERCIAL AIRCRAFT IN CARIBBEAN AREA: Effective March 24, 1947, and until further notice, San Juan NAS, Trinidad NAS, Guantanamo NAS, guard 6515 kcs voice continuously, transmitting and receiving, for communications with commercial aircraft.

LORAN RATE RELOCATED: "Frederick Dahl Loran Rate 1L4" shifted to new operations bldg. June 23, 1947. This change involved new antennas, transmitter, timers, and transmission lines. A Loran System error may develop.

AFRICA-Casablanca, Africa: The following established circuits are now in operation at CNO Casablanca Aeronautical communication station: CSZ Lisbon, FXW Bordeau, FOO Paris, CNC Tangier, CNS Gaercife, CNA Fez, CNV Oujda, CNU Meknes, FOR Oran, FNA Algiers, CNN Taza, CNZ Fort Trinquet, CNY Tindouf, CND Agadir, CNX Marrekech FOK Dakar. Landline teletype to FFAG Algiers and CNPL Port Lyautey. Guards Route C radiotelegraph frequencies 3248, 6563, 8538, and 12776 kcs. Additional air ground guards 333, 336, 6510, 4195 kcs. Radio range and beacon identification "KR", 222 and 403 kcs. respectively. Tower voice VHF 116.1 mcs. and 6440 kcs.

Dakar, Africa: Effective May 15, 1947, Overseas Foreign Aeronautical Communications Station WFG, YOFF Airport, Dakar FWA, will be combined with FOK under call sign FOK. Following CAA circuits will be operated and supervised by French Nationals: A/G 3285, 6563 kcs. cont., 11319 kcs. daylight hours, point-to-point circuits, FOK/WFH Port Lyautey, FOK/ELPA Roberts Field, FOK/ZVJ Recife, FOK/ZNT Accra. Following principal circuits operation and supervision French Nationals: Point-to-point, FOK with following stations, CNB Casablanca, X 08 Natal, FOO Paris, FGS Abidjan, FNA Algiers, FSP Port Etienne, FMW Port Au France, FHK Amsterdam. Yoff Tower, range and beacon operation and supervision French Nationals, frequencies unchanged.

Dakar Weather Broadcast: Effective 0820Z GCT, March 24, 1947, station WFG commenced broadcasting Dakar METAR hourly at 20 minutes past each hour on 3285 kcs., A1 emission.

Port Lyautey Communications: Effective June 11, 1947, circuit operations NHY Port Lyautey to FOK Dakar and CSZ Lisbon were transferred to station CNO Casablanca. Following civil circuit functions remain in operation NHY Port Lyautey: Circuit 207T Port Lyautey-Santa Maria. Circuit 224 Port Lyautey-Roberts Field, Liberia. 24 hour landline teletype operations connecting NHY Port Lyautey and CNO Casablanca facilitates E and W traffic movements via 207T. Port Lyautey maintains continuous civil air ground guards 3285, 6563 kcs, 11319 kcs. from 0700 until 2200 GCT. Additional civil air ground guards 8554, 8543, 8523 kcs. upon request.

AZORES-Fayal-Radio: Radio beacon call sign CTN. Operates on 333 kcs. days and on req. Air to ground call sign CTN for emergency use only on 6563 and 6577 kcs.

Flores-Radio: Radio Beacon call sign CF operates from 00 to 05, from 20 to 25 and from 40 to 45. Reliable for Homing.

Lagens-Radio: Tower operating on 116.1, 126.18 mcs. and 2834, 2993 kcs. for continuous transmitting and receiving. Tower on 4220 kcs. for emerg. and on 5000 kcs on req. OP range on 341 kcs in cont. operation with legs of 343° and 163° mag. reliable for instrument letdowns if caution is used. DK radio range on 288 kcs on cont. operation with legs of 343° and 163° mag., reliable for instrument letdowns if caution is used. Z markers are operating on both ranges. Racon beacon inoperative until further notice. SCS-51 operates cont. between 1730 and 0900Z and on 30 min. req. thereafter on channel Y for runway 16 and channel X for rnwy 34 if no glide path operating on channel Y. Localizers not modified in accordance with Technical Order 16-1-62. Long range DF on 6563 kcs days and night transmitting and receiving and receives fixing signal on 6210 kcs call sign is CSE9. Short range DF call sign CSE7 on 4575 kcs operating on req. from Lagens tower or CSY at Santa Maria. GCA operates on one hour request on all voice frequencies. Field: Crews inbound to Lagens will be cautioned of high terrain on E and W sides of rnwy 34. Due to repairs being made on 2700' on the N end of rnwys 16/34, no GCA landing will be made on rnwy 16 until further notice.

Santa Ana-Radio: Radio Beacon call sign BB7 operates cont. on 308 kcs.

Santa Maria-Radio: Tower transmits and receives on 116.8 and 126.18 mcs and 2834 kcs. Tower transmits on 278 kcs and guards 6440 kcs. Radio range operates cont. on 249 kcs. Call sign WY. Radio Beacon operates on 329 kcs., call sign WY. No Z marker on WY range. SCS-51 localizer on channel X on rnwy 19 operates cont. Glide path has resumed operation. Localizer not modified in accordance with T.O. on 6-1-62. Santa Airways operates on 3093 kcs cont. and 4220 kcs in emerg. Air to ground call sign CSY operates cont. on 6563, 12776, 3248, and 8538 kcs on CW. CSY is ICAO control center for the Azores. All letdowns are to be made on the N and S legs of the WY range.

BELGIUM-Brussels: ONBU reports as from July 1, 1947, the Queen Code ICAO document 2560 will be used by all the Belgian Stations.

BRITISH HONDURAS-Belize, Landing or Private Aircraft: Aircraft intending to land at Belize Airport or on the Belize waterfront should give the Director of Aviation, Belize, British Honduras, at least 4 hours' advance notice of their intended arrival. Flight plans may be filed for transmission to Belize between the hours of 1400Z and 2400Z through MIAMI CAA-operated overseas foreign aeronautical communication stn.

BRITISH WEST INDIES-Kingston, Jamaica-Montego Bay Airport: Montego Bay Arpt, is a British Controlled airport now under limited operation by Pan American Airways. It is necessary for all flights departing from Montego Bay for points in the U.S. to file flight plans with the Kingston ATC through the Kingston Communications Stn-call letters MRX. Flight plans also must be filed for all flights departing from U.S for Montego Bay They may be filed for transmission to Montego Bay through the CAA-operated Overseas Foreign Aeronautical Communication Station at Miami - call letters WBR, or New Orleans - call letters WEK.

Kingston, Jamaica-Palisadoes Airport Facilities: The Palisadoes Airport is a British Government controlled airport. The Government controlled tower transmits on 397 kcs only, and guards 2870, 3105, 6210 kcs. It is necessary for all itinerant flights coming to Palisadoes to file a Flight Plan from point of departure to the Communications Station at Kingston - call letters MRX. This Flight Plan should be marked for Information: Palisadoes Airway Traffic Control The route frequency of

6515 kcs. A3 emission is guarded at MRX. They have a good signal on this frequency and can be read consistently throughout the day and night in the Caribbean Area. Flight Plans may be filed for transmission to Palisadoes through the CAA-operated Overseas Foreign Aeronautical Communications Station, WBR, Miami.

Trinidad NAS: Effective June 16, 1947, Navy Squadron commenced conducting aerial gunnery from 1300Z to 2000Z daily except Sat. and Sun. until further notice. Surface craft and aircraft remain clear of area 10° N, 60°45' W, 10°30', 60°45', 10° N, 60° W, 10°30', 60°. The marine radiobeacon at Trinidad was discontinued 7-10-47

CANADA-Barrington-Radio: Name of this FM will hereafter be Hemmingford FM. (7-1)

Megantic, P.Q.-Radio: Correct var. 18° W. Courses 105°,176°,285°, 359°.

Moncton, N.B.: Effective July 15, 1947, the following changes apply to air ground services offered by stations CYA Moncton: Moncton CYA will maintain standby watch only on frequencies 6563, 6577, 8538, 11319 kcs. from 1300 to 2000Z daily and on 3248, 3285, 6563, 6577 kcs. from 2000Z to 1300Z daily and will transmit on above frequencies only: (a) when called by aircraft; (b) on request OATC CFMO; (c) on request VOAC Voga.

Montreal, P.Q.-Dorval: Effective July 15, 1947, the following changes apply to air ground services offered by station CYB Dorval: Dorval CYB will maintain continuous watch and transmit on frequencies 3248, 6563, 8538, 12776 kcs only.

Quebec, P.Q.-Radio: Correct var. 19° W. Courses: 61°,171°,248°,356°.

Vancouver Arpt., B.C.-Radio: Tower discont transmitting on 116.1 mcs. This corrects "AIRGI", Vol. 2, No. 9. (7-23)

Yarmouth, N.S.-Radio: Correct var. 21° W. Courses: 16°,89°,180°,267°

CUBA-Rancho Boyeros Airport, Havana: Effective May 19, 1947, and until further notice, all aircraft operating into and out of the Rancho Boyeros Airport must file a flight plan prior to entering the area. This applies to both IFR and CFR flights. Form of flight plan as follows: Identification; type; route of flight; time of flight departure; time of minutes; altitude, CFR or IFR indicated by C or N respectively and alternate if necessary. Example: NC60459 DC3 Miami Havana 1230/60N KW. For trial period and until further advised all flight plans except Expreso and those presently using PAA communications facilities may be forwarded through WBR addressed to OAHAV at no charge.

ENGLAND-London Airport: SCS51 and SBA facilities to be considered out of service as navigational or landing aids. They can be used for holding and letdown procedures only until further notice. Owing to the possible presence of vehicles within the restricted area of the SCS51 and SBA sites the accuracy of these installations is questionable

GREECE-Hassani Airport, Athens, Radio Call: Effective April 30, 1947, call sign WWJC replaced Army call sign WUCW on all circuits formerly using call signs at this station.

LABRADOR-Goose Bay: Effective July 15, 1947, the following changes apply to air ground services offered by station VOAV Goose Bay: Goose Bay VOAV will maintain continuous watch and transmit on frequencies 3248, 6563, 8538, 12776 kcs., but with frequencies 3285, 6577, 8554 (receive and transmit) available on request.

NEWFOUNDLAND-Military and Naval Landings: All military and naval aircraft landing in Newfoundland should use Harmon Field at Stephenville or Naval Operating Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

Gander: Gander Metar weather broadcast now in operation on 363 and 5410 kcs. simultaneously at hour plus 20 min. and hour plus 50 min. Reception reports on 5410 kcs requested. Effective immediately the dewpoint will be added as a remark at the end of the Metar for Gander, Stephenville, Sydney, and Moncton broadcast by VOAC on 5410 and 363 kcs at hour plus 20 and hour plus 50. Example: D.P. 47. Tele VOGA

Torbay Airport: Torbay Airport open to traffic between hours of 1030Z and 0230Z. No aircraft will be dispatched to arrive at Torbay between hours of 0230Z and 1030Z. No traffic will be available between landing and takeoff minimums of 1930Z and 1030Z. Landings and takeoff minimums as published in ATLD Amendment #16 "Mile visibility, takeoff night 500' 1 mi. visibility, landing day 800' 1 mi. visibility, landing night 800' 3 mi. visibility".

PACIFIC OCEAN-Weather Station Communications: Effective July 1, 1947, Pacific Ocean Weather Station FOX discontinued use of 4220 kcs for voice communications with trans-Pacific aircraft and substituted 5165 kcs for this purpose. The following paragraphs of SOP-1-A should be changed in accordance with the above: Section IV. 4 (a); 4 (b); 5 (a) (5); 5 (b); 5 (c) (1); 7 (a).

Pacific ICAO Procedures: International Civil Aviation Organization Airway Traffic Control and Communication Procedures were placed into effect in the Eastern Pacific effective Aug. 1, 1947

PUERTO RICO-Caguas: Radio antenna tower under construction unlgtd until further notice. Height 150' located one and one quarter miles N of Caguas, lat. 18-15-20 N, long. 66-1-53 W

Isla Grande Airport (San Juan): Designated an Airport of Entry. (7-2)

Mayguez Airport: Caution - do not use taxi strip W of Terminal Bldg. until further notice. Men and equip. on fld. (7-17)

San Juan Seadrome Landing Lights: Effective June 9, 1947, the seadrome landing lights were discontinued and the landing light buoys were removed from the bay of San Juan at the NAS, San Juan.

San Juan Pre-Flight Clearances: San Juan Civil Air Terminal (U.S. NAS), Isla Grande Airport, San Juan, P.R. - All civil operations at San Juan Air Terminal were assumed by the Puerto Rico Transportation Authority effective March 4, 1947 Authority must be obtained for landings at this airport prior to the commencement of any flight. Address requests to Airports Division, Box 3508, San Juan, P.R. Cable address is "Autoritan".

URUGUAY-National Airport, Carrasco: Effective June 15, 1947, Air Traffic Control Tower at National Airport, Carrasco discontinued its frequency of 2870 kcs., and new frequency of 278 kcs. was commissioned. (6-3)

DOMESTIC DATA

ALABAMA- ALA-TENN-GA ARPT (BRIDGEPORT)-Ctn in wet weather (5-22)
ALBERTVILLE ARPT-SW side of strip soft, rough and washing. Soft in spots in wet weather. (4-29)
ALLENPORT ARPT (MONTGOMERY)-Muddy after rains-ctn. (5-22)
ANDALUSIA ARPT-Bare in spots. Ctn in wet weather. (5-22)
ANNISTON ARPT-Ends of strips soft in wet weather. (4-29)
ATHENS ARPT-Ctn in wet weather (5-22)
ATMORE FLYING SERVICE-1800' strip muddy when wet. (7-18)
BARIN NAAS EAST & WEST FLDS (FOLEY)-Closed to trans acft. (5-6)
BATES FLD (MOBILE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-18)
BEAVER DAM FLD (DECATUR)-Soft after rainy weather. (5-22)
BIRMINGHAM ARPT-Closed to civil acft not equipped with operating rcvr Landing on sod areas approved by twr in dry weather, unsafe in wet weather. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. Tetrahedron wind indicator lctd E end E/W rnwy to be discont. Aug. 5. (8-1)
BOYKIN FLD (DEMOPOLIS)-Cattle on fld. (5-22)
BREWTON ARPT, new-Cattle on fld. (5-22)
BROOKLEY FLD (MOBILE)-RADIO: AACS oper HF/DF stn temp suspended. (4-24)
FLD: Soft-use rnwys, taxi strips only. (4-23)
CENTRAL PARK ARPT (BIRMINGHAM)-Avail. lgt acft in all weather (5-22)
CENTRE ARPT-NNW/SSE strip closed. N side E/W strip rough in wet weather. Avail. lgt acft only. (4-29)
CHASTAIN'S ARPT (PRICHARD)-Soft after rains. Shallow dip near center of E/W strip. (5-22)
CRAIG FLD (SELMA)-RADIO: Army DF stn inop. (12-20) FLD: Bndry lgts inop. (5-29)
CULLMAN ARPT-Soft in wet weather. (5-22)
DAVENPORT ARPT (FT. PAYNE)-Muddy in wet weather. S end rough. (5-22)
★DOTHAN-RADIO: NW and SE courses realigned to 143° and 323° July 25th. Figt-checked, courses correctly aligned.
EUTAW ARPT-Use only NW/SE strip. (4-17)
FAYETTE ARPT-Avail. only lgt acft during wet weather. Trees and fone line at W end (5-22)

[redacted]:FLINT CREEK ARPT (DECATUR)-Soft after rainy weather. (5-22)
GAINESVILLE INT, SITE 55, FV-AG-Emerg use only. (5-22)
GOODYEAR FLD (GADSDEN)-Soft in wet weather. Lgt acft land with ctn. (5-22)
GRAGG FLD, SITE 27, PS-TM (CLANTON)-Ctn in wet weather. (5-22)
GREENVILLE ARPT, SITE 24, NO-AG-Soft after rains around arpt circle on N/S strip. (5-22)
GUNTER FLD (MONTGOMERY)-Closed to all trans acft. Use Maxwell Fld. (6-24)
GUNTERSVILLE DAM ARPT-Soft spots at ends. (5-22)
HARTSELLE ARPT-Use W side fld. Avoid E side. E half of strip has small depressions extending from S end for approx 600' toward the N. Small area at SW portion fld soft after rains. (5-22)
HUNTSVILLE ARPT-Sod strip rough at runwy crossings. Ngt approaches use ctn-hills NE, S, E. (4-29)
JACKSON FLD (LIVINGSTON)-Rolling and slightly rough. Soft spots along N side at SW end. (5-22)
LEGION FLD (MONROEVILLE)-Do not confuse golf course fairways with landing strips. (5-22)
LUVERNE ARPT-Ctn in wet weather. (5-22)
MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi S looks like arpt and lgts give impression of parallel runwys. (10-17)
McKEE FLD (JACKSON)-Soft after rains. Not licensed. Use at own risk. (5-22)
MOTON FLD (TUSKEGEE)-Use with ctn in wet weather. Soft and rutted spots along E side. (5-22)
NAPIER FLD (DOTHAN)-Avail. civil acft in emerg only. (7-3)
NORMAN BRIDGE ARPT (MONTGOMERY)-Muddy after rainy weather. (5-22)
NORTH SAUTY BASE (SCOTTSBORO)-SE end soft in wet weather. (5-22)
OAK ARPT (FOLEY)-W end E/W, N end N/S stripe soft in wet weather. (5-22)
ONEONTA ARPT-N 800' strip wet, soft, rough. Unserviceable in wet weather. (4-29)
PRYOR FLD (DECATUR)-Rough spots around wind sock, mrkd. (5-22)
ROBERTS FLD (BIRMINGHAM)-S side fld avail. during wet weather. (5-22)
RUSSELL FLD (ALEXANDER CITY)-Washes on S edge near W end E/W strip, mrkd. (5-22)
SCOTTSBORO FLYING SERVICE-Soft in extremely wet weather. Rough spots on SE corner. (5-22)
STROTHER FLD (GASTONBURG)-PRIVATE. Cattle on fld. (5-22)
TALLADEGA ARPT-N 700' N/S strip soft in wet weather. (5-22)
VALLEY AIR SERVICE (LANETT)-Soft after rains. (5-22)
VAN DE GRAAFF ARPT, SITE 59, FV-AG (TUSCALOOSA)-Heavy acft avoid extreme NW and SW corners of fld after heavy rains. (6-3)
WALKER CO. ARPT (JASPER)-Land inside of bndry mrkrs. Avoid new landing strip now being graded. (5-22)
WEEDON FLD (EUFAULA)-Trees in W approach. (5-22)
WINFIELD ARPT-S end N/S strip soft in wet weather. (5-22)
WOOD-DEARING ARPT (RUSSELLVILLE)-Muddy in wet weather; lgt acft land with ctn. (5-22)
[redacted]:ASHFORK INT, SITE 36A, LA-AQ-Center 100' of strips rough, rocky, bal fld hazardous-grass, hills. (3-4)
DAVIS-MONTHAN FLD (TUCSON)-E fld closed-acft parked on runwys. Blinding ceilometer W end fld between ends of NW/SE, E/W runwys. (6-17)
DEEP LAKE INT, SITE 54A, LA-AQ-Avail. emerg use only-soft. (3-4)
DOWNTOWN ARPT (TUCSON)-Runwy 30 lgtd ngts for 2 weeks per month from 1900 to 2300 for pilot training. Only obst lgts are those in line with lgtd runwy. All ngt training flgts will oper S of arpt. (5-27)
GILA BEND AAF-Maj obsts S fld lgtd. (7-21)
GILBERT AUX FLD NO. 1-Closed to all acft-used for tow target dropping. Hazardous objects on fld. (7-31)
GOODYEAR AUX FLD NO. 2-Being used exten for student training. All civilian acft prohibited use of this fld. (7-31)
HOLBROOK INT SITE 51B LA-AQ-Equip. on fld daylgt hrs. (5-10)
KINGMAN AAF-Closed to all flying. No obst lgts atop Haulpai Mtn 8500' MSL, 11 mi S. (7-3)

[redacted]:LAGUNA LANDING STRIP-Equip. on fld. Only N/S runwy avail. (6-20)
LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from C.O. No ngt opers. (3-13)
LUKE FLD (PHOENIX)-Traffic direction indicator on second hangar from N inop. Traffic direction indicator S end N/S runwy free-swinging. (1-7)
NOGALES INTERNATIONAL ARPT-Use only NE/SW paved runwy, N/S turf strip and paved taxiways. Bal fld avail. cross wind landings. (5-6)
OASIS ARPT (MESA)-W end E/W, SW end NE/SW stripe unsafe for a distance of 500' (ditches across ends). (7-24)
PHOENIX-Inst. training on Phoenix Rng between 5500' and 9500'.
PRESCOTT-RADIO: Rng gnd-checked only. (7-28)
RYAN FLD (TUCSON)-Suitable for landing by all lgt acft up to and including Twin Engine Cessna, AT6, Etc. Heavy acft use runwys in wet weather. (4-28)
**SCHNEBLY HILL BCN SITE, 42, LA-AQ-Comm July 28.
SKY HARBOR ARPT (PHOENIX)-Local ngt flying acft must be equipped with 2-way rdo. Equip. near Runwy 12. Installation of ILS in progress off end of Runwys 26 and 8. (5-25)
TEMPLE BAR ARPT-Unsafe (soft). (6-26)
THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft).
TUCSON ARPT-Soon fld will not be lgtd. Acft desiring to use fld after dark shall give 2 hrs adv notice in order that lgts may be turned on. (5-8)
WILLIAMS FLD (CHANDLER)-RADIO: Army rng unreliable and to be used for training only. (6-3) FLD: Use runwys only. Exten runwy repair being conducted. All acft use ctn from 1200M Fri until 0800M Mon each week. No 100 oct fuel avail. to trans acft except in extreme emerg. (7-21)
WINSLOW-RADIO: Visual-aural rng stn operates unattended or without means of remote monitor.
WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed (flood damage). Equip. on fld days. (5-27)
YUMA CO. ARPT-Parking rstd to W side fld. Bndry lgts inop. (7-10)
[redacted]:BIGGERS ARPT-Use strips only-cattle on fld. (4-25)
EL DORADO-RADIO: Ctn-visual-aural rng unmonitored. (4-10)
EL DORADO ARPT-GOODWIN FLD-Lgts avail. emerg only. (1-10)
ERWIN FLD (NEWPORT)-Use runwys only-cattle on fld. (4-25)
FORT SMITH ARPT-Taxi strips connecting E/W runwy with Admin Bldg closed to all acft of 6000 lbs or more. W end NE/SW runwy from intersection W closed, mrkd. Bndry lgts this area inop. (4-6)
GRIDER FLD (PINE BLUFF)-Closed ngts. (3-11)
HOPE ARPT-Use runwys only. (4-9)
HOT SPRINGS MEMORIAL FLD-Use ctn when landing and taking off. Soft sod in wet weather. (5-15)
JONESBORO ARPT-Use runwys, taxi strips only. (1-10)
LEVEE FLD (WEST MEMPHIS)-Ctn when wet. (9-23)
LITTLE ROCK-RADIO: About Aug 11, Keo bone-shaped FM will be comm on the SE course, 10.6 mi from rng stn at lat 34-34-12, long. 92-03-06. Ident. two dashes. Rng stn guards 3117.5 kcs 2200 to 0600.
LUXORA INT, SITE 39 NO-LS-30' unlgtd pole line being erected S end N/S runwy. (9-27)
MANILA ARPT-Use SW quarter of fld only. (4-25)
McGEHEE ARPT-Cattle on fld intermittently. (9-6)
MILLTOWN ARPT (NEWPORT)-Use runwys only-cattle on fld. (4-25)
PINE BLUFF-RADIO: Ctn-visual-aural rng unmonitored. (4-10)
PRAIRIEVILLE ARPT (ALMYRA)-Ctn on taxiways.
THOMPSON-ROBBINS FLD (HELENA)-Use runwys only, fld soft and rough. (3-17)
WALCOTT FLD NO. 3 (WALNUT RIDGE)-Use runwys only-cattle on fld. Soft-heavy acft use ctn. (4-25)
WALNUT RIDGE AAF-Acft parked all areas fld and ramp. Use runwys only. Equip. on fld Closed 1730 to 0800. NE/SW runwy closed. (3-17)
CALIFORNIA :ALAMEDA NAS-Maintain high approach on Runwys 26L and 21. Heavy acft parked these areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility. Equip. adj to and on runwys. Fld on positive control. (4-15)

** CALIFORNIA:ARCATA ARPT-RADIO:ILS at Landing Aids Experimental Stn will be inop 0800 to 1700 Mon thru Fri until further notice. Cont oper at other times and avail. on 30 mins notice IFR during above hrs. (6-26) Formerly carried as Redwood Fld. (7-29) See page 17. FLD: Closed to acft without 2-way rdo. Use surfaced areas only. (3-25)

BAKERSFIELD-RADIO: About Aug 7, Famoso FM will be comm on the NW course, 11.4 mi bear. 141°, lat 35-36-09, long. 119-09-02. Ident. four dashes. (7-23)

BAKERSFIELD-KERN CO. ARPT-Unlgtd 92' pwr line 1/2 mi N of bndry. (7-8)

BAY MEADOWS ARPT (SAN MATEO)-Const on rnwys and taxiways. Rnwy 31 usable in all weather for acft up to 10,000 lbs. Taxiways should be used with ctn during winter months. When taking off on Rnwy 31, make a climbing turn of 45° to the right after crossing 19th Ave., but no lower than 200'. When landing acft turn off rnwy toward nearest taxi strip. No taxiing back on rnwy. (5-19)

**BIDWELL ARPT (RED BLUFF)-Fld lgts oper cont sunset to midnight; avail. upon req. at all other times. (7-27) See page 17.

BLYTHE AAF-Obst lgts atop control twr inop. (2-28)

*BORDERLAND FLD (SAN YSIDRO)-Target drone Unit 36 conducting flgts between 0900-1600. (1-21)

BRAWLEY ARPT-Holes in extreme NW corner fld. (1-10)

BRESSON ARPK (BLYTHE)-Soft spot W side N/S strip. (5-30)

BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs).

BURBANK-LOCKHEED AIR TERMINAL -Closed to all trans P-80 acft except on special projects for modification that stn. Right traffic Rnwys 7,15; left traffic Rnwys 25, 33. Approach lgts Rnwy 7 changed to red. 2-way rdo rqrd all acft. Rnwy 13-31 closed (parked acft). No NG facs. (7-9)

CAL AERO ARPT (CHINO)-Use rnwys only-parked acft. (3-24)

CAMARILLO-VENTURA CO. ARPT (OXNARD)-Use rnwys, shoulders only. Taxiways and bldg area closed. (4-28)

CANNON FLD (FRESNO)-Will be perm closed soon. (4-3)

CASTLE FLD (MERCED)-No opers office. (3-24)

CATALINA ARPT (AVALON)-Private arpt. Scheduled Airline opers only. Use by acft other than UAL absolutely prohibited. (3-20)

CLEAR LAKE SEAPLANE BASE -Avail. emerg only. (6-11)

COALINGA ARPT-NW/SE rnwy closed. Shoulder adj to inside of strip avail. for taxiing. Left traffic at 500'. (7-18)

COMMERCIAL ARPT (LOMPOC)-Strips unusable. (5-30)

COMPTON CENTRAL ARPT-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (1-21)

CORCORAN-135' unlgtd twr being const adj Santa Fe RR, downtown Corcoran. Upon completion will be 148' high and lgtd.

COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (2-27)

CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs).

DAGGETT INT, SITE 13, LA-AQ-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. Areas immediately outside bndry lgts utilized for storage. Remain on rnwys unless in vcnty of bldgs N of intersection Rnwys 3, 7. (3-13)

DEL MAR ARPT-Right traffic at 800' with prevailing westerly winds. (5-21)

DESERT CENTER INT, SITE 17, LA-PH-E/W strip emerg use only. (3-31)

★DONNER SUMMIT-RADIO: July 28, BMRL fac shutdown until approx Aug 7 for const.(7-29) Stn guards 3105,4495,6210.3117.5 kcs, 116.1,122.1 mcs. This corrects Airgi, Vol. 2, No. 9.

EL CAJON ARPT-Right traffic when landing and taking off to the E. (3-26)

EL CENTRO NAS-Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. Tetrahedron lgtd all times. (5-22)

★EL TORO MCAS (SANTA ANA)-RADIO: VHF/DF stn now operates 100 to 156 mcs from 0800 to 1630 Mon thru Fri. At other times on 30 min notice. (7-25) FLD: Rnwys, taxiways being repaired. Fld on positive control. (7-22)

FAIRFIELD-SUISUN AAF-RADIO: Army rng unreliable, use for homing only. (6-5) AACS oper HF/DF stn temp suspended. (4-24) FLD: First 1000' Rnwy 25 open to acft days and CFR opers only. (6-5)

FILLMORE ARPT-Private fld. Acft parked adj to strip. (3-20)

FRESNO-RADIO: Soon, Bowles FM will be comm on the SE course, 10.5 mi, bear. 316°, at lat 36-35-35, long. 119-44-35. Ident two dashes. (7-23)

CALIFORNIA:FURNACE CREEK ARPT-All traffic away from mtn side of strips regardless of wind. (5-21)

GILLESPIE ARPT (EL CAJON)-Use E/W rnwy only. Right traffic when landing and taking off to the W. (3-26)

GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. Closed ngts (lgts inop). (1-28)

HAMILTON FLD (SAN RAFAEL)-RADIO: AACS oper HF/DF stn temp suspended. (4-24) FLD: Extension to Rnwy 12 closed except in emerg. (10-18)

HARMON FLD (HEMET)-Traffic pattern 2200' indicated or 600' above gnd. Left traffic when landing or taking off to the NE-right when landing or taking off to the SW. All flying under supervision of arpt mgr at all times. (3-19)

HASTER FARM OLF (GARDEN GROVE)-Closed to all civil acft except in emerg or by approval of the C.O., NAS, Los Alamitos. (4-9)

HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Arpt. (3-20)

HOBERG ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)

HOLTVILLE ARPT-Closed-emerg use only.

HORSE FARM OLF (LOS ALAMITOS)-Closed to all civil acft except in emerg or by approval of the C.O. NAS, Los Alamitos. (4-9)

HUGHES ARPT (CULVER CITY)-Closed to public use except in emerg. (5-2)

HUMBOLDT CO. ARPT (EUREKA)-25' fone wires NW end NW/SE rnwy, 100' back from end of rnwy. Right traffic pattern. (5-5)

**LANCASTER-New 125' steel twr erected 0.5 mi NW, obst lgtd. (6-21)

LINDBERGH FLD (SAN DIEGO)-Right traffic Rnwys 27, 31; left traffic Rnwys 9, 13. (6-19)

LIVERMORE NAS-Avail emerg use only. (10-1)

LIVERMORE SKY RANCH ARPT-Avail. lgt acft only, except in emerg. (2-18)

LOCKHEED AIR TERMINAL-See Burbank.

LONG BEACH ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (3-20) FLD: Ltd maintenance and fuel supply Army acft. No svcg mil acft temp due fuel shortage. (8-4)

★LOS ALAMITOS NAS (LONG BEACH)-RADIO: Navy Racon stn placed in oper July 25. AN/CPT-6 series.278 and 362. Geographical position: lat 33-47-30, long. 118-03-15. Code 1-2. Coverage 000-360. Operates 24 hrs daily. FLD: Closed 1630 to 0800 except in emerg or by prior arrangement. Rnwy 22R closed until approx Aug 6. Equip. on fld. (7-22)

LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl area from 2000 to 2300 daily. (7-26)

LOS ANGELES ARPT-Ctn approach to Rnwy 29-two 25' poles at arpt bndry within this approach zone, unmrkd, unlgtd. Parked acft within approach zone to and parallel with S side Rnwy 29. Unlgtd oil derricks on approach to Rnwy 34. E/W paved strip S side fld avail. taxiing only. All landings, take-offs and taxiing rstd to paved areas. Rnwy 4-22 closed. Unlgtd 40' pole 350' S of twr. (7-2)

LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs adv notice should be given if possible. (7-1)

MACHADO ARPT (SANTA MARIA)-Use strips only. (2-23)

MARCH FLD (RIVERSIDE)-RADIO: AACS oper HF/DF stn temp suspended. (4-24) FLD: Rnwy 7-25 closed-avail. on twr permission only. (1-8)

MARTINEX ARPK-Unusable during rainy weather. (5-26)

MATHER FLD (SACRAMENTO)-Use rnwys only-mat unserviceable. (1-29)

McCLELLAN FLD (SACRAMENTO)-Rnwy 4-2 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders, unsurfaced areas unsafe. (4-23)

MERCED MUN. ARPT-Daylgt oper of bcn is to warn lcl and trans acft of approaching airline acft. Ctc, approach lgts inop. (6-24)

MILE SQUARE FARM OLF (SANTA ANA)-Closed to all civil acft except in emerg or by approval of the C.O. NAS, Los Alamitos. (4-9)

MODESTO ARPT-Rng lgts being installed across rnwy ends. Const and soft spots, mrkd. (3-28)

[redacted]: MOFFETT FLD NAS-LTA-HTA (MOUNTAIN VIEW)-Fld on positive control. Multi-engine acft above JRB class Rnwy 14L-32R only, except in emerg. N connecting taxiway closed to all traffic. (6-17)
MOJAVE NAS-Closed to all acft except on off. bus. (5-21)
MONACHE MEADOW LANDING STRIP (OLANCHA)-Strip maintenance uncertain-ctn.(5-30)
MONTEREY PENINSULA ARPT-Right traffic Rnwys 24,28;left Rnwys 6,10. (5-20)
MT. LAGUNA-RADIO: 116.1 mc rcvr operating. Too late to delete symbol.
MUROC AAF-RADIO: Army rng unreliable,to be used for homing and training only. (6-9)
FLD: Lctd within a danger area. No facs 1900 to 0700 or Suns. Closed to all trans acft except on written permission Commanding General, Air Materiel Command. Acft will not carry trans passengers to this fld. (3-7)
NEEDLES ARPT-Bndry lgts NE/SW rnwy inop. (7-31)
NEWHALL INT, SITE 3A, LA-SF-No fuel. (5-30)
OAKLAND ARPT-RADIO: Twr equipped to transmit on and guard 121.7 mcs for mobile ground traffic. (7-2) FLD: Rock surface area adj to Rnwy 27R avail. small acft. Adhere to instructions issued by twr. Maintenance facs avail. 0800 to 1800. Closed to acft not equipped with 2-way rdo except acft may land for repairs or fuel without rdo on permission from arpt supt. Rnwy 6-24 avail. lgt acft only. Taxiway leading from Rnwy 33 to Navy ramp closed. Equip. on E/W taxiways and parking apron sealing expansion joints. Heavy acft use rnwys, taxi strips only. Arpt channel unmrkd day, ngt. Equip. days in turf areas between all rnwys, mrkd. (7-24)
O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only, muddy when wet. (5-19)
OXNARD-VENTURA CO. ARPT-Bndry lgts inop. Const, equip. on fld days. Use rnwys, taxiways only. (4-28)
**PALM SPRINGS ARPT-Fld lgts and rot. bcn oper on req or emergencies only. (7-3). See pages 98, 100. Right traffic, all takeoffs and landing on Rnwys 31,35 Rnwys 13,17 usual left. (5-17)
PLUMAS CO. ARPT (BECKWOURTH)-Use rnwys, taxi strips only, turf rough. (6-2)
SACRAMENTO-RADIO: Soon, Clarksburg FM will be comm on the SW course, 10.2 mi, bear. 18°, at lat. 38-21-30, long. 121-36-30. Ident. three dashes. (7-24)
SACRAMENTO ARPT-Use rnwys, taxi strips only-shoulders, fld soft. Unsafe small acft.-rough. (2-21)
**SAN BERNARDINO AAF-Three 305' Rdo twrs erected 3.5 mi. WSW (253° true) at lat. 34-04-41, long. 117-18-20. Obst lgtd on top with one 1000 watt blinking bcn, first and second levels with 2, 100 watt lgts. (7-4)
SAN CLEMENTE ISLAND OLF-Closed except in emerg. (6-3)
SAN DIEGO-Night fighter train. being conducted within the following described areas: (a) A sector of a circle with radius of 40 mi centered at lat 32-54-30, long. 117-07-24 extending clockwise between lat 32-20-00, long. 117-03-20 and lat 33-18-20, long. 117-37-30, excluding those portions which lie within the confines of civil airways and S of the U.S.-Mexico bndry. (b) A sector of a circle with radius of 40 mi centered at lat 32-54-30, long. 117-07-24 extending clockwise between lat 33-23-30, long. 117-29-30 and lat 32-50-30, long. 116-26-30, excluding those portions which lie within the confines of civil airways.
SAN DIEGO NAS-Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing thru Point Love (black and orange checkered floating pyramid) unless directed by twr. Point Love (black and orange checkered floating pyramid) is lctd 1.5 mi S of Hotel Del Coronado. Acft crossing air traffic lanes at North Island must be above 1500'. Acft will not fly over Coronado or Amphibous Training Base at an alt of less than 1500'. Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (6-3)
SAN FRANCISCO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-3) CAA ILS will be comm soon serving E/W rnwy with approach from E. Lclzr freq. 109.5 mcs with ident "SF", transmitter lctd 220' from W end E/W rnwy. Glide path freq 332.6 mcs, transmitter lctd 580' from E end E/W rnwy and 625' N of rnwy centerline. Outer mrkr will be lctd 6.6 mi from E end E/W rnwy, keyed 2 dashes per sec, inner mrkr will be lctd 4550' from E end E/W rnwy, keyed alt. dots and dashes. No bndry mrkr. Will oper cont. (5-14) FLD: Avoid rnwy, taxiway shoulders

[redacted]: Turf area closed, unmrkd hazards. Use rnwys, taxiways. Equip. extreme E end Rnwy 10-28. E 2000' Rnwy 10-28 closed for landing acft days only. Barge in bay 2000' E of E end Rnwy 10-28 and 150' N of rnwy centerline, mrkd. (7-30)
SAN FRANCISCO CGAS-Seaplane harbor, channel and landing area unmrkd day or ngt. Facs avail. but unmrkd. Seaplanes landing can be taken care of either at Coast Guard or PAA. (3-22)
SAN MATEO ARPT-Avail. lgt acft only-const. (2-24)
SAN NICOLAS ISLAND OLF-Use in emerg only (caretaker status,no facs)
SANTA BARBARA-RADIO: About Aug. 14, Capitan FM will be comm on the W course, 9.7 mi. bear, 254°, at lat. 34-27-57, long. 120-02-30. Ident. four dashes. (7-29) About Aug. 11, low freq rng (320 kcs) will be intermittently interrupted days for conversion to simultaneous oper. About Aug. 25, fac will resume oper as class SBMRLZ-DTV fac. (7-25)
SANTA BARBARA ARPT- i. Closed to glider opers. (6-14)
SANTA MONICA ARPT-CLOVER FLD-Avail. trans acft with 2-way rdo. Closed ngts and to all student pilots. (5-6)
SHASTA SKY RANCH ARPT (FALL RIVER MILLS)-Approx 1/3 of the main strip has been gravelled and should be used during the winter months. Medium and large acft avoid during the spring thaw. (5-26)
SHERMAN FLD (WALNUT CREEK)-NW/SE strip closed. Equip. adj to NNE/SSW strip.(5-6)
SHERWOOD FLD (PASO ROBLES)-40' unlgtd wires E end E/W strip. (3-17)
STOCKTON ARPT-Rnwy 4-22 closed. Taxi lgts inop. No 100 oct. Single ended bcn operating without course lgts. (5-11)
SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer NAAS Ream Fld. No commun at landing strip. (12-5)
TEMPLETON MEADOW FLD (OLANCHA)-Unusable. (5-30)
TERMINAL ISLAND NAS (SAN PEDRO)-Bcn will be discont. soon. (6-26)
TRONA ARPT-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (3-7)
TUNNEL LANDING STRIP (OLANCHA)-Strip maintenance uncertain-ctn. (5-30)
VAN NUYS METROPOLITAN ARPT-Avail. civil acft providing they have off. bus. with one of the acft companies lctd on fld. Acft without rdo may enter providing previous arrangements have been made with twr. (12-5)
VICTORVILLE AAF-Use only Rnwys 16L-34R, 7R-25L, 3R-21L. (5-13)
VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (3-26)
WARM SPRINGS ARPT-Heavy acft avoid fld during rainy weather. Glider opers with plane and auto tows. Tall grass and equip. on fld. (3-14)
WILLIAMS-RADIO: About Aug. 13, rng will be shut down for realignment of E course from 244° to 251°. Disregard spurious signals during realignment. (7-30)
[redacted]: BUCKLEY FLD (DENVER)-RADIO: 126.18 mc transmitter temp inop. (6-7)
FLD: No lgts, messing, transportation or lodging facs. (4-5)
CRESS FLD (WESTCLIFFE)-Use rnwys only. (2-19)
EAGLE-RADIO: About Aug 7, ctl stn will be relctd to new quarters at Int. Fld. Visual-aural rng will operate cont unmonitored and all rcvg watches, transmitting freqs of 111.1, 116.1 mcs and voice channel will be interrupted during relctn.
FLAGLER ARPT-Avail. ski-equipped acft after heavy snow. (2-19)
FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy. (9-29)
★LOWRY FLD (DENVER)-RADIO: Army GCA training fac operates from 0800 to 1700 Mon thru Fri on VHF communication Channels A-B, with HF transmissions on 3475, 4890, 6640,3105,4495,6210 kcs. Guards 4495,4765,6210 kcs. Rcvs 3000-18000 kcs. Commercial airline freq. 3117.5 kcs and Channels C-D-G-H will be put into oper soon. (7-28). These data rcvd too late for inclusion on GCA page. FLD: Equip. on fld 0800 to 1700 Mon. thru Fri. (4-11)
PINE VALLEY ARPT (COLORADO SPRINGS)-All rnwys avail. between mrkrs only. Use rnwys only. (6-13)
PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 37-17-28, S by lat. 38-16-19; W by long. 104-18-38; E by long. 104-17-40.
PUEBLO ARPT-Rot. bcn atop hangar when lgtd indicates fld closed except to scheduled air carrier acft. NW/SE rnwy unlgtd. NE end NE/SW rnwy designated as calm wind

[redacted]: rnwy. Tetrahedron modified to automatically choose the calm wind rnwy when wind velocity below 7 mph. All acft land, take-off according to the tetrahedron. Two 300' twrs Rdo Stn. KCSJ erected, but not comm, lctd 5 mi NE (40° true) (7-17)
RIFLE ARPT-Strips under const. I n emerg use the extreme N side of the E/W strip Grade stakes on strip. (1-17)
ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (fone lines)(5-14)
RUSTON FLD (DENVER)-Strips soft during wet weather. NE/SW strip closed (6-6)
RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.
SALIDA ARPT-Landings should ordinarily be made to the W and take-offs to the E. (6-13)
SKY RANCH ARPT (DENVER)-Right traffic Rnwys 26,30,36; left traffic Rnwys 8,12,18 Traffic controlled by tetrahedron. Avail. CFR oper days only. (6-13)
TRINIDAD ARPT-Strips avail. lgt acft. (2-21)
**UTE FLD (CORTEZ)-Formerly carried as Cortez Municipal Arpt (Cortez)(4-7). See page 72.
WALKER FLD (GRAND JUNCTION)-Hvy acft use rnwys only. (6-13)
[redacted]: ★BRADLEY FLD (WINDSOR LOCKS)-RADIO: CAA ILS now operates 0730 to 1600 Mon thru Fri. (7-29)
BRAINARD FLD (HARTFORD)-RADIO: Twr equipped to transmit on and guard 121 9 mcs for mobile gnd traffic. (6-16) FLD: Equip. on fld intermittently. 300' bldg under const 1.5 mi NW fld bndry, close to NW leg Hartford Rng. Flood lgts N end N/S rnwy inop. 11 street lgt poles erected W side fld, unlgtd. Lgts approx 12' below top of poles. All seaplanes landing in Conn. River adj to Brainard Fld must be equipped with 2-way rdo. All trans acft landing at fld must be equipped with operating rdo rcvrs.(7-28)
BRIDGEPORT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-1)
BRIDGEPORT ARPT-Use rnwys only. Exten local traffic days. Acft landing without establishing rdo communs with twr must conform to local traffic pattern. Observe twr at all times for lgt gun signals especially on base leg and final approach Clear rnwy toward twr immediately after landing. All acft without rdo communs with twr should determine proper rnwy and taxi route from twr or opers prior to taxiing. (6-10)
BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans student pilots. Const N and S ends of fld and on taxiway between fld and shop (4-21)
DANBURY-SPECIAL NOTICE: Danbury Fair Inc, operating a search lgt at Danbury Speedways every Sat. ngt throughout the summer season. (5-27)
HAMMONASSET FLYING FLD (MADISON)-Closed to trans acft Fld under complete reconstruction. (7-31)
HARTFORD-RADIO: Auto. range monitor. sys inop. (9-30)
KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only. (4-21)
NEW HAVEN ARPT-Avail. days only. Use rnwys only. No local take-offs or landings during airline arvls and dptrs when signalman stationed at approach end of rnwy being used, displaying red flag. (4-21)
RENTSCHLER FLD (EAST HARTFORD)-CFR acft flgt test opers days at all alts within 40 mi radius (7-28)
SOUTHINGTON ARPT-Right traffic when taking off and landing to the E and SE. (4-25)
STEPHENSON ARPT (BRISTOL)-S 350' N/S strip being graded. Equip and rough area mrkd bal rnwy avail. lgt acft. (4-21)
TRUMBULL FLD (GROTON)-Water twr being const atop hill 1 mi NW. 107' unlgtd derrick being used during const. (5-19)
WATERBURY ARPT (PLYMOUTH)-Muddy with scattered puddles-avail. with ctn. (3-11)
[redacted]:DE VRIES (LEWES)-CLOSED (landing strip being repaired) (7-21)
NEW CASTLE CO. ARPT-Use rwys only. Equip. on fld days. (3-14)
SUSSEX ARPT (FRANKFORD)-NE 450' NE/SW strip unsafe-being extended. Use sod strips only. (7-23)
[redacted] SPECIAL NOTICE: The Administrator of CAA has designated the Mt Vernon National Monument a congested area. In accordance with C.A.R. 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat. 38-42, long. 77-05-30.
SPECIAL NOTICE: TELEVISION TWR 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL ARPT, LAT. 38-53-46, LONG. 77-08-05. (3-22)
ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of 2 hrs. prior req of ETA. Boom const masts 100 to 150' high lctd [redacted]: 600 to 800' N of Rnwy 3-21, mrkd. (7-12)
BOLLING FLD (WASHINGTON)-Ltd fuel for trans acft. Rnwys 10-28, 14-32 closed Rnwy 17-35 closed to acft when weather minimums below ctc flgt minimums. Rnwy 2-20 avail No JP-1 fuel avail. (6-4)
★WASHINGTON NATIONAL ARPT-RADIO: Voice feature comm on CAA ILS Aug. 1. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. Following inst landing minimums have been estab for all Army traffic except sched ATC flgts: Day and ngt: Form 8 white card holder 800' and 1 mi. Form 8A green card holder-600' and 1 mi. Army acft landing this arpt will not use B channel VHF to ctc twr for landing and take-off instructions. B channel VHF will be used in case of emerg only. (1-16). FLD: Army: Use of this arpt by Army acft is prohibited except for: (a) Scheduled ATC traffic. (b) Landings and take-offs necessary for overseas flgts using customs and immigration clearance facs of aerial port of embarkation. (c) Flgts transporting VIP and General Officers above grade of Maj. Gen, as well as officials in similar or corresponding category of executive branches of Gov't. who may be using Army acft. Army acft authorized above to use arpt will be manned by fully competent crews who are well versed in air traffic control procedures peculiar to Washington Area. Army acft landing this fld should taxi to new ATC Term. Bldg. N of Admin. Bldg. Navy: Closed to Navy acft except NATS. Use Anacostia NAS In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. General: Closed to acft without rdo. Stay on paved areas-shoulders soft. Equip. on fld. Parking area ltd-turf soft. At times pilots of private acft will be unable to secure parking space. Lgtd trailer 500' W of centerline of N/S rnwy at N end. (2-15)
[redacted]: ALBERT WHITTED ARPT (ST. PETERSBURG)-Use rnwys only-soft shoulders. Stacks 1/4 mi SW. Seawall being const E of fld. Equip. on fld. (7-9)
**ALTOONA ARPT-ABANDONED. (7-28). See page 134.
AVIATION CENTER ARPT (LEESBURG)-Use rnwys only-sand soft. (5-22)
★BANANA RIVER NAS-RADIO: Navy rng decomm Aug. 1. Navy exper VHF rnwy lclzrs and various types of ILS oper intermittently, day, ngt. Navy exper rdo bcn, 414 kcs, ident. "BR", A-2 and A-3 emission, oper intermittently, day, ngt. (2-27) FLD: Open 0800 to 1700 for essential administrative traffic and emerg only. (6-27)
BANANA RIVER NAS SEAPLANE BASE-Closed to all acft. (6-27)
BOCA RATON AAF-Closed to all trans mil acft except on off. bus. or in emerg. Port. floods avail. on 15 mins notice. Stay on rnwys-shoulders soft. (6-9)
BRONSON FLD NAAS (PENSACOLA)-Inactive-no facs. (4-9)
BUNNELL ARPT-Cattle on fld. (5-19)
CANNON MILLS ARPT (ORLANDO)-N,NE,NW,E use right traffic. S,SW,SE,W use left traffic. (5-27)
CEDAR KEYS ARPT-Use rnwys only. (5-19)
CHAPMAN FLD (MIAMI)-Closed to trans acft ngts. Observe wind tee for traffic direction Orange arm to right indicates right traffic. (6-24)
**CROSS CITY AAF-Rot bcn in operation (7-26). See page 132.
DALE MABRY FLD (TALLAHASSEE)-26' unlgtd bldg 900' NW of NW end NW/SE rnwy. Observe twr E side fld for lgt signals. Bcn atop water tank S of fld inop Unlgtd hangar N side fld. (5-7)
DAYTONA BEACH ARPT-Top lgt of 347' twr Rdo Stn WNDB, 2 5 mi NE (45° true) burning but not flash. (7-5)
DINNER KEY CGAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10)
DREW FLD (TAMPA)-Use rnwys only. Ditch, equip. along outer edges of N and S ramps, mrkd. Avail. to rdo rcvr equipped acft tuned to twr freq. Equip. along both sides of first 2000' of Rnwy 18-36 days, and adj to Rnwy between intxn of Rnwys 26,37, mrkd ngts. Neon approach lgts of ILS under const left side approach end Rnwy 18 and outward for 1500'. Trench both sides rnwy N of taxi strip between Rnwy 32 and ramp in front of twr. (7-28)
★EGLIN FLD (VALPARISO)-RADIO: "N" signal of Army rng should be shown in the NW quad. Weather bdcast 29 mins after the hr. Army GCA fac in regular oper and operates cont during IFR, for practice during CFR from 0800-1630 and on 30 mins req at other times. Freqs are: VHF Channels A,B,C,D,G,H. Transmits on 4890,3475,6640 kcs. Gds 4495,6210 kcs. Transmits on and guards airline emerg freq 3117.5 kcs. (7-29) These

FLORIDA: data rcvd too late for inclusion on GCA page. Army ILS to be reactivated soon.
FLD: Acft approaching fld will enter area along right edge of S leg Crestview Rng (1)-Acft on CFR will fly 3000' or 500' below the ceiling, whichever is lower, until cleared by Eglin Twr. (2)-Acft on IFR will enter at last assigned airways cruising alt and ctc Eglin Twr for let-down instructions. Exten const. (6-11)
ELLYSON NAAS (PENSACOLA)-Inactive-no facs. (4-9)
FORT LAUDERDALE-RADIO: Identification keying of FM on N course of Miami range may be erratic. (8-1)
FORT LAUDERDALE ARPT-Const. Fifty acres being cleared, graded and paved at the E side of fld. Taxiway being const parallel to the NW/SE rnwy, NW/SE rnwy being extended at the SE end. (6-3)
GILBERT FLD (WINTERHAVEN)-Use rnwys only. (4-17)
HILLSBOROUGH ARPT (TAMPA)-E/W rnwy avail. lgt acft only. Sinkhole 100' E of intxn filled with sand. Other rnwys and taxiways usable. (5-19)
HOMESTEAD ARPT-RADIO: CAA port. ILS lclzr equip. installed approx 1000' from E end E/W rnwy. Glide path equip. 400' N and 1000' E of W end E/W rnwy. ILS flgt-checked and will be comm at a later date. (6-24)
HOMESTEAD ARPT-Landing fee all acft. (3-12)
IMMOKALEE INT, SITE 13, MM-TM-Use with ctn-soft. (6-25)
JACKSONVILLE ARPT NO. 1-Operating of pvt acft between sunset and sunrise rstd to acft equipped with functioning rdo transmitter and rcvr. Between sunrise and sunset such acft shall be equipped with at least functioning rdo rcvr unless exceptions granted by Chief Arpt Traffic Controller. (3-25)
JACKSONVILLE NAS-Trans seaplane acft desiring ngt facs notify Jacksonville NAS 12 hrs in advance. (5-22)
KEY WEST NAS-Closed between sunset and 0730 except by prior notification or in emerg. (2-4)
KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (4-10)
LAKE BUTLER OLF-Cattle on rnwys. (5-22)
LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500'. Prevailing wind E to SE. (1-22)
**LEESBURG AAF-206' twr of Rdo Stn WLBF erected 5 mi SW(251°true)at lat. 28-48-12, long 81-53-14, obst lgtd with one kilowatt blinker on top, two 100 watt lgts on other levels. (7-2)
MacDILL FLD (TAMPA)-RADIO: AACS oper HF/DF stn temp suspended. (4-24) FLD: Rnwys 4-22, 13-31, 18-36 avail. GCA equip. 3000' from end Rnwy 22R, lgtd. Heavy equip between Rnwy 13-31 and parallel taxiway. Rnwy 4R-22L closed. Ltd svcg facs for trans acft on off. bus. only. (7-23)
MASTER NAS (MIAMI)-Closed 30 mins after sunset until 0700. Extreme ctn-hvy traffic. Northernmost E/W rnwy closed (equip., parked acft)(1-8)
MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks 400' E of S end Rnwy 4-22. Obst lgts atop old control twr inop. Line of unlgtd pwr poles 25' high, 500' NW of and parallel Rnwy 11 and extending 1000' beyond end of rnwy before making 90° turn N now in process of const. (7-17)
MIAMI-RADIO: Federal Communication Comm Fld Unit Direction Finding Aids inop (being relctd. (7-11)
MIAMI INTERNATIONAL ARPT-AAF-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-25) FLD: Domestic non-scheduled acft taxi to old Army Terminal Bldg SE side fld upon arvl and prior to dptr and register with Ramp Supervisor. Scheduled air-carriers and international acft requiring immigration and customs service use 36th St. Terminal. Trans international pilots advise twr before landing. Use rnwys only. Equip. on fld intermittently days. Obst lgts inop atop pole lines adj Seaboard Airline R.R. Shops between N and S flds. All acft landing on E/W or N/S rnwys maintain sufficient alt to clear vehicular traffic on 36th St. and LeJeune Rd. No JP-1 fuel. Const in grass area between Terminal and W hangar ramps and E/W rnwy in N fld. Area mrkd and lgtd. New 80' control twr being erected approx 100' S of present twr bldg. (7-7)
MIAMI NAS-Acft remain on N leg Miami Range for distance of 25 mi N of rng stn when passing Miami NAS. Stay clear of NW corner fld-fighter training break-up area. Acft practicing touch and go landings ngts. Closed sunset to 0700. (11-15)

FLORIDA: MORRISON FLD (WEST PALM BEACH)-RADIO: Glide path transmitter of Army ILS being moved to lctn 1100' E of W end E/W rnwy, 400' S of centerline Middle mrkr ident being changed to alt dots and dashes. (3-17). AACS oper HF/DF stn temp suspended (4-24) FLD: 205' twr of Rdo Stn WIRK, erected 4 mi SSW (209° true) at lat 26-38-05, long 80-07-25. Top level two 500 watt red flash lgts, middle level, two 100 watt red lgts, lower level two 100 watt red lgts (6-24)
Closed to all trans acft except on off bus or in emerg (7-3)
ORLANDO-RADIO: Soon, rng will be shut down for conversion to type SBMRLZ fac. (7-11)
ORLANDO AAB-ARPT-Fuel avail. mil acft on off. bus. with written orders only. (7-22)
ORLANDO AVIATION COUNTRY CLUB ARPT-Land to N, take-off to S Pwr line N. (5-19)
PAGE FLD (FT. MYERS)-NW/SE rnwy lgts inop. (5-1)
PENSACOLA ARPT-Exten Navy training thruout area. Join pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest avail. taxi strip Opers and svcg lctd brick hangar. (4-29)
PENSACOLA NAS-CHEVALIER FLD-Avail. days only. Ngts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Disposition delivery acft land at NAS Chevalier Fld. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld, bear. 34° NNW. Pilots desiring to land at Chevalier Fld etc Pensacola Navy twr before entering traffic pattern. (5-22)
PETER O. KNIGHT ARPT (TAMPA)-Sodded areas E of Rnwy 3-21 and S of Rnwy 10-28 rough - use ctn when taxiing. Hvy acft use rnwys Equip. on fld days. (5-20)
PINELLAS CO. INTERNATIONAL ARPT (ST. PETERSBURG)-Lgt acft landing and taking off on sodded area directly S of fld. (6-30)
PUNTA GORDA MUN. ARPT-Usable emerg landings only. (5-29)
ST. AUGUSTINE ARPT-All lighting facs inop. (5-19)
SAUFLEY NAAS (PENSACOLA)-Equip. on fld. (6-30)
STENGEL FLD (GAINESVILLE)-Cattle on fld. (5-19)
SUNNY SOUTH ARPT (MIAMI)-Lgtd for student ngt flying. Closed to trans acft. (5-13)
TALLAHASSEE-RADIO: About Aug. 15, rng freq will be changed to 379 kcs (8-1)
TAMIAMI ARPT (MIAMI)-CFR day oper. Landing fee only to acft carrying passengers or cargo for hire. Equip. on fld intmtly. days. (3-12)
TAYLOR FLD (OCALA)-Use rnwys only. (1-23)
*TITUSVILLE INT, SITE 20, MM-AG-The 24" clear 6 rpm bcn with clear course lgts flash char. "O" (- -) and lgtd wind cone loc lat 28-37, long 80-50 oper as line bcn adj to Day Fld oper by Brevard County. (7-17)
TITUSVILLE-COCOA ARPT-Use rnwys, taxiways only (soft sand)(5-8)
VERO BEACH ARPT-Crash facs not avail. on line. Rnwys 11-29, 3L-21R, 7L-25R, 18-36 closed (repairs)(5-21)
WEST PALM BEACH-RADIO: Rng inop until Aug 9. Rcvd too late for (R) symbol.
WHITEHOUSE OLF (JACKSONVILLE)-Closed Suns, used by model acft. Avail. emerg only.
WHITING FLD NAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" sloping curb at rnwy edges. Tetrahedron indicates rnwy in use and not wind direction. Ctc twr before entering traffic pattern. (4-14)
GEORGIA: ALBANY ARPT-Use rnwys only. (7-8)
ATLANTA ARPT-RADIO: Middle compass lctr of CAA ILS temp inop. (6-27)
FLD: Const, equip. on fld intmtly. Use rnwys ngts. Closed to HB and VHB acft. Trans Army acft use Marietta AAF. 25' lgtd bldg near N end N/S rnwy. N portion of N/S rnwy extending down to the E/W rnwy obscured from twr and is closed to all traffic except acft with 2-way rdo in commun with twr. Pilots land at own discretion. (7-5)
ATLANTA NAS-Avail. sunrise to sunset. After sunset open for landings only. No clearance or svcg. No fuel temp. (7-7)
BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rnwys. Use rnwys only. (7-1)
CALLOWAY ARPT (LA GRANGE)-Heavy acft use rnwys, taxiways only-grass areas soft. All-over landing small acft in dry weather. (4-17)
CAMILLA ARPT-Equip. on fld. (7-9)
CAMP STEWART AAF (HINESVILLE)-Cattle on fld (12-17)
CARROLLTON ARPT-Equip. on fld. (5-12)
CHATHAM AAF (SAVANNAH)-Rot. bcn inop. Exten P-47 NG acft transition training, formation flying and acrobatics 0800 to 1700 all within 35 mi radius. (4-4)
CIVIL AIR PATROL ARPT (WAYCROSS)-Use mowed strips only (7-8)
COCHRAN FLD (MACON)-Use rnwys, taxi strips only. (12-5)

[redacted]:CORDELE-Use rnwys only. (7-8)
DANIEL FLD (AUGUSTA)-Unlgtd embankment with fence and hwy at W end Rnwy 28.(7-18)
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. Approx 1200' of E end of E/W rnwy not visible from twr. Hangar now obstructing view expected to be dismantled by approx Sept 23. Obst lgts atop bldgs in center of N ramp inop. (6-23)
JESUP ARPT-WNW 700' ESE/WNW strip under const. (7-8)
LAKEWOOD ARPT (ATLANTA)-Strips rough in spots. (10-9)
LAWSON FLD (COLUMBUS)-RADIO: Army rng freq will be changed to 335 kcs soon. Rng unreliable and to be used only for homing and training until further notice. (7-23) FLD: MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2,32. Right traffic Rnwys 14,20,27; left traffic Rnwys 2,9,32. (4-30)
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (1-22)
MALCOLM-McKINNON ARPT (BRUNSWICK)-Equip. on fld days. Use rnwys only. (7-8)
MARIETTA AAF-No maintenance 1700 to 0800. Ltd transportation. Temp twr atop Opers Bldg 200 yds N intersection Rnwys 10 and 15. (5-19)
MILLEDGEVILLE MUN ARPT-Soft after rainy weather. (4-17)
MUSCOGEE CO. ARPT (COLUMBUS)-Wind tee tied day and ngt when wind is 12 mph or less. Free swinging over 12 mph. (5-16)
ST. MARYS ARPT -Cattle on fld and rnwys. Use rnwys only. (7-8)
SAVANNAH-RADIO: Rng figt-checked July 26, courses correctly aligned.
SOUTHER FLD (AMERICUS)-Use strips only. Soft when wet. (4-8)
SPENCE FLD (MOULTRIE)-Use rnwys only. All over fld avail. lgt acft only in certain areas. Landing area N of rnwys to be used only by pilots familiar with fld. Grass area adj to rnwy closed (sloped for drainage). (4-8)
TURNER FLD (ALBANY)-RADIO: Army air/gnd stn temp inop. (2-10)
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld). (1-16)
[redacted]: BOISE ARPK-Right traffic for NW landings and take-offs. (5-21)
BOISE AIR TERMINAL-Use rnwys, taxi strips only-shoulders soft. Non-rdo equipped acft use Rnwy 10L with left approach or Rnwy 28R with right approach when tetrahedron indicates traffic SE or NW. Parking ramp on Nat'l Guard side of fld immediately in front ot twr SW of Rnwy 10R-28L closed to all acft other than mil except for taxiing. Extreme ctn while taxiing thru this area. (6-2)
BRADLEY FLD (BOISE)-Right traffic SE take-offs and landings. (3-17)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (2-22)
GOODING ARPT-Use strips only-sod unsafe (erosion). (3-1)
GREEN MEADOWS ARPT (EAGLE)-Right traffic NW take-offs and landings. (3-17)
MOUNTAIN HOME AAF-N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
POCATELLO-RADIO: VHF omni-directional rng shutdown for an indefinite period.(7-26)
POCATELLO ARPT-6' ceilometer approx 75' S of Rnwy 5-23 at a point 500' W of taxi strip that intercepts Rnwy 29. Use rnwys, taxiways only. Equip. on fld days. (6-3)
PRIEST RIVER MUN. ARPT-NNE/SSW strip under const. (1-13)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (3-14)
TWIN FALLS ARPT-Use strips only, soft when wet. (2-21)
[redacted]: ALBERTUS ARPT (FREEPORT)-Const. Use N/S, NW/SE rnwys, soft when wet. Land withing rnwy mrkrs. (2-25)
ASHBURN ARPT (CHICAGO)-Avail. only lgt acft under 2000 lbs. Landing fee for heavier acft $2.00 and up. NE/SW rnwy under const-unusable. Do not turn off cinders onto grass. (5-5)
CASEY ARPT-Red flag on windsock indicates strips too soft for safe oper, green flag indicates strips in good condition, orange flag idicates Right Traffic. (2-26)
CHANUTE FLD (RANTOUL)-Ltd parking. Inten training including weather, hood, and ngt between the hours of 0700 to 0100 daily. (6-24)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const.) (3-3)
[redacted]:CHESTERFIELD INT, SITE 4, LS-CG-Will be perm discont Sept. 1. (7-22)
CHICAGO-RADIO: Ctn - VHF omni-directional rng unmonitored. About Aug 20, weather permitting W course will be realigned from 66° to 81°. (7-30)
CHICAGO ARPT-RADIO: GCA temp inop. (6-16) FLD: Const 60' high W of Rnwy 22 center at NE corner fld. Snow extension lgts 22" above grade on Rnwys 31L, 36R, 27L, mrkd. GCA truck and trailer lctd near center of fld, lgtd. Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Terminal Bldg upon arvl and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable at Arpt Supt's Office before dptr. 3 hangars under const along N taxiway. Ctn when taxiing Ramp in front of new Terminal Bldg being repaired. (5-14)
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
★CHICAGO HEIGHTS-RADIO: VAR rng comm for oper without voice feature July 30 at lat 41-31-08, long. 87-34-32. Aural courses: 178°,358°; visual courses: 88°,268°. Freq. 108.3 mcs., Ident "CG". Stn unmonitored and operating without auto. standby equip.
CHICAGO-ORCHARD PLACE ARPT-RADIO: About Aug 15, CAA twr freq will be changed to 332 kcs, 126.18 mcs. (7-31) FLD: Landing fees same as Chicago Arpt. Trans acft register in city office S side fld. Glide path bldg 800' SE of NW end NW/SE rnwy 400' SW. Lclzr bldg 950' SE of SE endNW/SE rnwy. (6-4)
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (3-27)
DECATUR PARK DISTRICT ARPT (DECATUR)-Use rnwys only. (4-22)
FLORA ARPT-NE/SW strip under const. (12-10)
GALESBURG MUN. ARPT-W bndry rough. (3-28)
JOHNSBURG ARPK-Equip. on fld. (3-18)
JOLIET-RADIO: About Aug 18, weather permitting, NW course will be realigned from 139° to 68° and will then be identified as the W course, SE course from 306° to 248° and will be identified as the E course. (7-30)
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (4-29)
LEWIS-LOCKPORT ARPT (LOCKPORT)-Use strips only. Stay on gravel when wet.(3-16)
MARION ARPT-Ext. train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. Wind tee moved to circle in center of fld. (5-12)
METROPOLIS MUN. ARPT-Under const. Will be completed approx Sept 15. (7-16)
MOLINE-RADIO: About Aug 19, weather permitting, E course will be realigned from 265° to 258°. (7-30)
MOLINE ARPT-75' lgtd mast, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. 20' gravel pile 300' W of SW end NE/SW rnwy. (4-30)
MOUNT VERNON ARPT-E/W strip mrkd with flare pots, dusk to dawn. Serve as mrkr lgts only. (4-7)
NEWARK-RADIO: About Aug 20, coincidentwith reorientation of W course of Chicago rng FM on E course will be decomm. (7-31)
PAL-WAUKEE ARPT (GLENVIEW)-250' Goodyear Blimp based on fld until approx Aug 10. Stationary mooring mast 45' high with single obst lgt lctd on NE side of fld, approx 300' from rnwys. Blimp unlgtd, but riding lgts will be turned on upon approach of acft. Pilots requested to avoid use of rnwys during 10 or 15 min period which occurs twice a day when blimp is landing or taking off. (5-31)
PEORIA ARPT-Eqhip. on fld 0800 to 1630 daily except Sun. (5-10)
PROSPERI ARPT (TINLEY PARK)-Use rnwys only-equip. on fld. (7-8)
QU INCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. Use only rnwys in thawing weather. (2-24)
ROCKFORD-RADIO: About Aug 14, weather permitting SE, NE and SE courses will be realigned to 93°,273°,314°. (8-2)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
SCHILT FLD (OLNEY)-NW/SE strip softin wet weather and after thaws. (3-31)
SCOTT FLD (BELLEVILLE)-E/W rnwy perm closed to all take-off and landings. Parked acft on rnwy. (7-22)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)

ILLINOIS: SPRINGFIELD ARPT-Fld and strips soft after heavy rains. Unsafe heavy acft when soft. (4-5)
SPRINGFIELD MUN. ARPT-New arpt lctd 3 mi NW of Springfield will be completed about Aug 6. Day time oper only-no lgts. Use rnwys only. ditches and hills off rnwys. (8-1)
STINSON ARPT (LA GRANGE)-NE end NE/SW rnwy closed. (5-14)
STOCKTON ARPT-Use strips only. (6-10)
WAUKEGAN ARPT-NW/SE E/W strips usable except in extremely wet weather (5-13)
WHITE CO. ARPT (CARMI)-NE SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (4-7)
Indiana: ANGOLA-RADIO: Ctn - VHF omni-directional rng unmonitored.
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FT. WAYNE)-Rnwy lgts 9-27 inop. Tetrahedron uncontrolled. (4-22)
BENDIX FLD (SOUTH BEND)-Equip. on fld days. N triangle closed. (7-5)
BLOOMINGTON ARPT-Turf sparse-soft when wet. (5-19)
BRIGHTWOOD ARPT (INDIANAPOLIS)-E end E W strip under const. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. Circular traffic pattern in use. (5-19)
CHAIN-O-LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only.(5-23)
CHARLESTON ARPT-Trees at both ends-usable with ctn. Entire fld soft after prolonged rain. (5-19)
COLUMBUS MUN. ARPT-Turn off rnwys onto taxi strips after landing. Use rnwys only. (7-5)
••EVANSVILLE ARPT-480' twr of Rdo Stn WIKY erected 5 2 mi SW. (227° true). one red flash. lgt on top level. two red flash. lgts at 240' levels. three steady red lgts at 120' and 360' levels. Twr unpainted. (7-9) Trans use rnwys only. Equip. on fld days. (5-5)
HULMAN FLD (TERRE HAUTE)-Erosion on fld-use rnwys only. (6-23)
INDIANAPOLIS-RADIO: 75 mc bndry mrkr using keyed 3000 cycle tone. oper intermittently at SW bndry of arpt. Exper lclzr on 108.3 mcs SW end NE SW rnwy. Exper rdo rng with 5 lgtd 131' twrs oper intermittently at Avon, Ind.,7 mi NW of arpt on 172 and 194 kcs Low pwr (holding mrkr), 75 mcs, 10 mi SW of arpt on ILS lclzr course, keying "U", tone 3000 cycles, temp inop. (11-22)
★INDIANAPOLIS ARPT-RADIO: GCA unit oper by CAA on exper basis discont. (7-23) FLD:
•• 36'' rot bcn atop Admin Bldg showing green on one side and white on other comm July 24, 1947. 24'' rot bcn and flash green code lgts removed. (7-25) Right traffic pattern for acft landing on grass to the right of rnwy in use; left for acft landing on grass to left of rnwy. Acft landing on rnwys use left traffic pattern unless otherwise advised by twr. Exper bcn atop Admin Bldg rot. at high speed counter clockwise operating during IFR days only. All trans acft use rnwys only unless cleared by twr to operate on grass areas. Grass areas normally reserved for local acft operating under preventive control. (7-9) Pilots of mil and trans acft register with registrar in Admin Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. No mil svcg-use Stout Fld. EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner operating; intermittently. 2-1/2' exper rnwy lgts both sides NE/SW rnwy. Exper flights of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip 400' NW end NW SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' NE of NE SW rnwy on centerline trailer adj CAA glide path 400' SE of NE/SW rnwy. all lgtd ngts Exper slope line (glide path) approach lgt sys installed W end Rnwy 9-27. Lgts consist of 3 pairs of red tubular lgts spaced 100' apart with first pair lctd 100' W of rnwy The outer pairs show red only on approach side; the inner pair show red on approach and rnwy sides. The high end of outer unit is 8'. and high end of inner unit is 5'. Operate normally with rnwy ctc lgts. 20' elevated gaseous tube directional taxi mrkr lgts showing a blue lgt when lgtd. 5 on exper stn taxi strip and 15 on short N/S rnwy and two short E W taxi strips leading therefrom to Admin Bldg apron. (6-24)
McCOOL INT, SITE 3, CG-LG-Pwr poles approx 460' S of the S end of the N/S rnwy , fone line along the S side of Hwy #6, 50' silo 1160' W of watchhouse, all unmrkd. Green bndry lgts No. 17 and 28 changed to clear. (5-27)
MORGANTOWN-RADIO: FM formerly on S course of Indianapolis Rng will remain in oper on exper basis. (11-8)
MUNCIE ARPT-Will be closed from 1430 to 1630 Sunday, Aug 17 for Air Show. (7-25)
Indiana:MYERS FLD (FT. WAYNE)-Avail with ctn. Soft during wet weather. (7-5)
PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to heavy local traffic, trans acft avoid turning in middle of fld after landing. Taxi straight to end of fld; then taxi within 100' of bndry to hangar. Scattered pools of water SW end NE SW rnwy in wet weather. 377' twr rdo stn WASK erected 3.75 mi ESE (105° true). Temp obst lgtd. (7-16)
SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft when wet. Const area mrkd. (5-19)
••SMITH FLD (FORT WAYNE)-300' antenna twr of Rdo Stn WFTW erected 6 mi SSW (209° true) at lat 41-04-02, long. 85-12-54. Flash. bcn atop. (6-26) Use rnwys only-turf soft when wet (5-19)
SOUTH BEND-RADIO: Ctn - VHF omni-directional rng unmonitored.
SOUTH BEND-Barrage balloon over S central portion of South Bend. Max height 500' above gnd. Aloft 0700 until 1700 daily. (5-27)
STARK CO. ARPT (KNOX)-N S strip soft-loose sand Avail. lgt acft only. (5-19)
STOUT FLD (INDIANAPOLIS)-Crash equip. avail. 0800 to 1700 daily only. Ltd svcg facs Lgts on prior req. (5-22)
TRI-STATE ARPT (ANGOLA)-N S strip closed (const.) (5-5)
URSCHEL FLD (VALPARAISO)-Strips soft in wet weather. (5-19)
WELLS CO. ARPT (BLUFFTON)-Avail. with ctn-soft during wet weather (5-5)
WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N No wind conditions land to W. (5-8)
IOWA: CEDAR RAPIDS ARPT-Use rnwys. taxi strips only. (3-22)
CHAPMAN FLD (WATERLOO)-Bcn. bndry. obst lgts inop. (4-2)
CRAM FLD (DAVENPORT)-Const. Fld rough. equip on fld. (3-21)
DES MOINES ARPT-Entire area off rnwys E of N S. NW/SE rnwys closed. Use rnwys only. Area off SE end NW SE rnwy closed to taxiing, mrkd. Equip. on fld. (7-25)
DUBUQUE ARPT-CLOSED (flooded). (6-13)
ELKADER ARPK-N S strip newly graded and seeded. (5-29)
HUNTER FLD (CEDAR RAPIDS)-Use rnwys only. (7-29)
IOWA CITY ARPT-Closed ngts Sod adj rnwys. taxi strips freshly seeded. Lgts being installed Const. Trenches 3' deep adj all rnwys, mrkd. Equip. on rnwys. Rnwys will be cleared for air carrier landings. New bcn 250' E of N S taxiway. mrkd by red lanterns ngts. (6-13)
LAMONI INT SITE 10. KC-MP-Unsafe (soft) (4-16)
MASON CITY ARPT-Landings and take-offs prohibited on sod rnwys W of Admin Bldg. Sod between taxi strip and N end N S rnwy unusable. (4-29)
OTTUMWA NAS- S landing mat closed (helium bottles on mat) Use rnwys only. Fld opers avail. 0800 to 1800 Mon thru Fri. Facs avail on 24 hrs notice at all other times. (7-10)
SIOUX CITY ARPT-Blinding ceilometer 1000' N of Admin Bldg. Army refueling avail. on off. bus. or in emerg only. (7-22)
KANSAS: ALLMAN ARPT (LENEXA)-Use strips only (4-2)
BEECH ARPT (WICHITA)-During damp weather, use rnwy only (4-2)
CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags (2-6)
DODGE CITY ARPT-Blinding ceilometer installed 1000' NW of Admin Bldg. E W rnwy closed. Parked acft on fld N and S of Admin Bldg due to partially completed const on parking area. Hangars being built NW Admin Bldg. (4-11)
FAIRFAX FLD (KANSAS CITY)-Only 100 oct avail. (6-13)
FT. RILEY-AA firing conducted immediately N of Marshall Range Stn.
GARDEN CITY AAF-No svcg or maintenance avail (2-7)
HUTCHINSON MUN ARPT-Heavy acft use rnwys only. (7-22)
HUTCHINSON NAS-CLOSED-no facs. (11-25)
INDEPENDENCE AAF-Closed to all acft except on off. bus or emerg. Only N S rnwy nearest ramp avail. (6-23)
MARSHALL FLD (FT. RILEY)-For AA firing see Ft Riley, Kans. Use rnwys, taxi strips, ramps only. Soft shoulders off rnwys. Rnwy lgts undependable. (2-10)
OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Range Stn.
OLATHE NAS-Closed 1800 to 0800 - flights desiring landing during these hrs must notify opers before 1600. (6-13)

[KANSAS]: OLATHE OLF NO. 2-Use in emerg only-no facs.
OLATHE OLF NO. 4-Use in emerg only-no facs.
OLATHE OLF NO. 7-Use in emerg only-no facs.
OLATHE OLF NO. 9-Use in emerg only-no facs.
SHERMAN FLD (FT. LEAVENWORTH)-Left traffic Strips 12,15; right traffic Strips 30,33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (4-11)
SMOKY HILL AAF (SALINA)-RADIO: Army ILS (CAA type) inop indefinitely. (4-1)
TOPEKA-Inst flying radio range ngt, day. Call Topeka Radio at least 20 mi out before flying range.
TOPEKA AAF-Closed to all trans mil acft except on off. bus. or in emerg. Four 197' rdo twrs being const 5.1 mi NE, lat 39-01-17, long. 95-34-15, temp obst lgtd. (7-14)
WICHITA ARPT-Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Trans acft without rdo use ctn. Stay on concrete-sod unsafe. (4-29)
WICHITA AUX ARPT-Arpt lctd 6 mi SE of Wichita not avail. as an auxiliary fld. City of Wichita not responsible for consequences arising from use of the fld. (4-19)
[KENTUCKY]: **BLUE GRASS FLD (LEXINGTON)-Bcn, rng, obst and rnwy ctc lgts on prior req. (5-7). See page 84. Use rnwys only. (5-5)
BOWLING GREEN ARPT-Use rnwys only. NE/SW rnwy lgts inop. (8-4)
CAMPBELL AAF (HOPKINSVILLE)-Ext const. Only Rnwy 4-22 avail. (6-1)
GODMAN FLD (FT. KNOX)-RADIO: Army rng unreliable; use primarily for homing. (6-24)
FLD: CLOSED TO ALL ACFT GROSSING 30,000 LBS OR OVER EXCEPT IN EMERG. High trajectory firing in danger area NE fld day, ngt. (6-24)
GREATER CINCINNATI ARPT (COVINGTON)-Lgts not controlled from twr. Lgts inop Rnwy 13-31. Equip. between Admin Bldg and tetrahedron. Open places adj to rnwys and taxi strips, lgtd and flagged. (7-7)
JODY FLD (LONDON)-Const-use rnwy N of hangars only. (4-28)
LEXINGTON-RADIO: Ctn-visual-aural rng unmonitored, no auto. standby equip.
PADUCAH-McCRACKEN CO. ARPT-Bcn, ctc lgts oper from dusk till dawn daily. Only NE/SW rnwy lgtd ngts. (6-18)
STANDIFORD FLD (LOUISVILLE)-NG svcg not yet avail. (4-22)
[LOUISIANA]: BARKSDALE FLD (SHREVEPORT)-Liaison type acft land Rnwy 14R-32L. Exten training, heavy traffic. GCA unit on right and left hand side of center rnwy, lgtd. No 91 oct. Fuel avail. to acft on off. bus. with written orders only-fuel shortage. (7-21)
**CAMP POLK-Two danger areas in vicinity have been discont.
COMMERCIAL ARPT (HODGE)-Unsafe (rutted). (6-10)
COTTON VALLEY ARPT-E/W strip closed. (1-23)
CROSS LAKE SKY HARBOR (SHREVEPORT)-Land only in area in front of Base. (2-13)
DONALDSONVILLE INT, SITE 26, HU-NO-Equip. on fld. (7-14)
EAST BATON ROUGE PARISH ARPT (BATON ROUGE)-Avoid SE corner fld, mrkd with white flags. (1-27)
HOUMA NAS-LTA-Twr oper daylgt hrs 0800 to 1630 only for all acft by Navy in connection with Bureau of Aeronautics Sto. Closed to all other mil acft except in emerg. No fuel. Civil acft may land during daylgt hrs. Lighting facs for ngt flying not in oper for civil use. (4-23)
IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. (3-13)
JENNINGS ARPT-Use strips only. Smudge pots avail. on prior arrangements. Unlgtd pole lines S and E side fld. Right traffic when landing S and W. (3 19)
LAFAYETTE ARPT-Use rnwys only. (4-29)
LAKE CHARLES MUN. ARPT-Blinding 30 million candle pwr ceiling lgt installed stn WBAS. Operates during cloudy conditions. Two 195' twrs 3.5 mi NW under const, lgtd. 80,91 oct for mil acft. (7-31)
LE GROS MEMORIAL ARPT (CROWLEY)-170' twr being erected 9 mi NE (55° true). Will be lgtd upon completion. (3-24)
★MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-RADIO: Middle mrkr now monitored. (8-3). CAA ILS flgt-checked Aug 3, oper normal. FLD: Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way rdo except in emerg. 171' steel derrick being erected approx 15 mi SSE in Lake Salvador, unlgtd. Tetrahedron inop. (5-12)
MONROE ARPK-Avail. days only. (12-20)
[MISSISSIPPI]: NATCHITOCHES ARPT-Twd to right. 44' trees approx 400' S of S end N/S rnwy and 77' trees approx 800' W of W end E/W rnwy. (1-23)
NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Closed to all Army acft except primary, basic and advanced (not including converted tactical type) trainers, utility cargo, C-46, C-47 series, C-60, C-64, liaison acft, helicopters and autogyros. (3-26)
SELMAN FLD (MONROE)-Obst lgts atop twr inop. Equip. on fld. (12-27)
SHREVEPORT ARPK-Entire fld avail. except sod area E of N/S rnwy. Land with wind tee Wind sock for wind direction only. (1-6)
SHREVEPORT ARPT-Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1-1/4 mi S within approach zone N/S rnwy lgtd. 185' rdo twr being erected 4 mi SW (230° true). Work in progress SW end Rnwy 5-23, approx 100' from end of rnwy, mrkd. Equip. on fld days. NE/SW rnwy closed from intersection N/S taxi strip to SW end of rnwy approx 450'-const. Tetrahedron not operating. (7-31)
[MAINE]: AUGUSTA-RADIO: Rng flgt-checked June 20, SE course displaced 3° SW, bear. 312°. Use stn lctn mrkr with ctn until flgt-checked. (7-11)
AUGUSTA ARPT-Obst lgts on antenna poles 400' NE Admin Bldg inop. (4-22)
DOUGLAS FLD (BRUNSWICK)-Right traffic when wind from the S. (4-22)
★DOW FLD (BANGOR)-RADIO: Army ILS temp inop. (7-26). Army GCA training fac oper on VHF Channels A-B-C-G with HF transmissions on 3475,4495,4890,6640 kcs. Guards 1500-18000 kcs. (7-31). These data rcvd too late for inclusion on GCA page. FLD: E/W rnwy closed. Use concrete portion fld only. Ltd transportation and maintenance facs. Equip. sides rnwys. Tetrahedron inop. (7-22)
FARMINGTON ARPK-After heavy rain land to W side strip. (4-23)
LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft use rnwys only-safety strips soft. (11-13)
MERRYMEETING FLD (BOWDOINHAM)-Use in emerg only. (4-22)
MILLINOCKET-RADIO: Auto. rng monitor. sys temp inop. (7-10)
MILLINOCKET ARPT-NW 1000' NW/SE rnwy closed. Ctc lgts inop. (4-15)
NEW MEADOWS ARPK (WEST BATH)-PRIVATE-emerg use only. (5-8)
NORRIDGEWOCK ARPT-CLOSED-use in emerg only.
OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop. (2-24)
PORTLAND ARPT-Pile driver with vertical boom about 100' high at high tide, lctd 1/2 mi from SE end NW/SE rnwy, unlgtd. Will be in oper until approx Sept 19. (7-31)
PRESQUE ISLE AAF-RADIO: Army HF/DF stn temp suspended. (5-16). Effect July 15, VHF/DF stn will be inop for indefinite period. (6-30) FLD: No longer assigned as Foreign Clearing Stn, except as weather alternate for scheduled ATC flgts. Svcg trans acft 0800 to 1700 only. Acute fuel shortage. Equip. on fld adj rnwys. Rnwy 16-34 closed for repairs. Bcn lgt atop standpipe 2/3 mi NE inop. (8-1)
SCARBORO ARPT-CLOSED (soft). (3-31)
[MARYLAND]: ANDREWS FLD (CAMP SPRINGS)-RADIO: Army ILS temp inop. (6-17)
BALTIMORE-RADIO: About Aug 12, Severna Park FM will be comm on the S course, 7.9 mi from rng stn, at lat 39-05-38, long. 76-32-50. Ident. three dashes. (7-25)
**BALTIMORE MUN. ARPT-80,91 oct; 100 oct prior req; rdo rqrd between sunset and sunrise. Stacks NW and SE; ships 120' masts S, SW and W. (7-29). See pages 86, 88. No Crash equip. ngts. Use rnwys, taxiways only, other areas soft. Equip. on fld. Lgtd 160' derrick at lat 39-14-15, long. 76-31-00. 45' lgtd mobile steel boom 1/2 mi from fld bndry and 600' N of approach to Rnwy 27. (6-30).
BALTIMORE SEAPLANE BASE-Radio facs same as Baltimore Arpt. Control launch and other services avail. commercial operators by prior agreement with BOAC. Ramp and fuel services avail. by contacting Baltimore Twr. (4-21)
BELTSVILLE OLF-No crash equip. Closed to all acft except in emerg. (4-9)
★BRANDYWINE-RADIO: July 23, N and S courses realigned to 168°, 348°. Quadrants reversed, "N" signal in NE quad. Gnd-checked only.
EDGEWOOD ARSENAL FLD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM C.O. Closed Sat and Sun. Operates. Mon thru Fri 0800 to 1600. (3-14)
ERCO ARPT (RIVERDALE)-Do not land on diagonal taxi strip due to softness and holes. Soft shoulders off rnwys. Avail. days only. (2-19)
GLENBURNIE-WHIPP ARPT-Avoid flagged area-equip. (2-19)
MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON

[redacted]: OFF. BUS. WITH GLENN MARTIN CO. OR IN EMERG. Trans or local traffic, not landing at fld, should avoid fld traffic patterns or approaches. (1-22)
PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches adj Rnwy 9-27, mrkd. Equip. on fld. Obst SE end Rnwy 13-31. Ctn-land long on rnwy. (6-6)
PHILLIPS FLD (ABERDEEN)-CLOSED TO ALL TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG OR PRIOR PERMISSION FROM C.O. Ltd svcg. No maintenance or RON. Danger area 1500 yds S; firing to 25,000'. Approach from N only, flying a heading of 200° from Aberdeen to fld. Heavy traffic rnwys. Rnwy 4-22 closed. (7-31)
SALISBURY-RADIO: Commissioning of VHF rng indefinitely postponed. (5-5)
SALISBURY ARPT-Ctn advised using Rnwy 13-31. Use center rnwy only-rough area on S side rnwy 2000' from W end. Equip. on fld. (7-6)
SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (4-10)
WEBSTER FLD (BEACHVILLE)-Closed except on 24 hr notice.
[redacted]: AGAWAM-Two searchlgts being operated from Riverside Park dusk to midngt May 30 to Sept 7. (5-8)
BARNES ARPT (WESTFIELD)-Oper of arpt bcn days indicates suspension of CFR oper. Ctc Westfield Rdo for lgts. 139' tank 5500' SW, lgtd-temp painted gray. No ctc lgts. (6-12)
★BOSTON-RADIO: July 31, rng freq changed to 382 kcs. Rng flgt-checked, courses correctly aligned.
BROOKFIELD'S ARPT-Ctn-steep grade at SE end. (4-21)
CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been established approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay.
GRAFTON ARPT (NORTH GRAFTON)-Avail. lgt acft only. Glider towing opers daylgt hrs. Powered acft approach with ctn. (5-16)
LA FLEUR ARPT (NORTHAMPTON)-Closed ngts. (7-10)
LAWRENCE ARPT-At ngt use rnwys for landing and taking off. (3-23)
LOGAN ARPT (BOSTON)-RADIO: CAA ILS placed in cont oper June 10 for pilot training and familiarization purposes only. Lclzr lctd 950' NE of NE end of Rnwy 4-22 on extended centerline. Freq. 110.3 mcs. Ident. "BOS". Glide path freq. 335 mcs. Angle 2.5°, lctd 1000' NE of SW end of Rnwy 4-22 and 550' SE of rnwy centerline. Middle mrkr 1.40 mi from SW end Rnwy 4-22 on extended centerline keyed alt dots and dashes; outer mrkr lctd 5.67 mi from SW end of Rnwy 4-22 on extended centerline keyed two dashes. Outer compass lctd at outer mrkr site on 203 kcs., ident. "G". Comm date of this fac for regular oper indefinite, pending completion of const and removal of const equip. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-16). FLD: Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight, cargo and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Private or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Manager and pay fees. Pilots will be denied clearance until fees are paid. Equip. on fld. Mercury arc vertical beam NW end new temp NW/SE rnwy-used intermittently day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. NE 100' Rnwy 7-25 unsafe. Old Rnwy 15-33 closed except for taxiing. All acft landing, taking-off or taxiing must use rnwys and taxiways only. Two-way rdo necessary for all acft landing this fld. 2 unlgtd 374' stacks lctd S. Boston Base 7900' from S end Rnwy 4-22. ILS lclzr path lies within 1500' of stacks-ctn. (7-13)
MANSFIELD ARPT Red flag flying when closed. (4-21)
MARLBORO ARPT-Avail. sunrise to one hr after sunset. (4-21)
MERRIMAC VALLEY SKYPORT (LAWRENCE)-Right traffic when landing or taking off down river. (4-4)
MYRICKS ARPT (BERKLEY)-Wires on S end N/S strip. (4-1)
NANTUCKET ARPT-Five 320' twrs being erected 6 mi W (280° true). (4-12)
ORANGE ARPT-Equip. on fld during summer months. (7-10)
OTIS OLF (FALMOUTH)-Use in emerg only (caretaker status-no facs).
PITTSFIELD ARPT, SITE 3B, AZ-BW -Land according to wind sock. (4-2)
••PLUM ISLAND FLYING SERVICE SEAPLANE BASE (NEWBURYPORT)-New base. Lat [redacted]: 42-47-45, long. 70-50-25. (7-30)
PROVINCETOWN LANDING FLD-CLOSED. (7-10)
REVERE ARPT-Right traffic on Rnwys 2,33,35, Const on seaplane base 1000' N of arpt. (4-21)
RICHARDSON ARPT (DRACUT)-Intersection of two strips muddy when wet. Heavy acft use wide pattern on downwind leg for WSW landing to avoid turkey farm 1000' from rnwy. (3-15)
SPRINGFIELD ARPT-Lgts inop. (4-21)
SQUANTUM NAS-Equip. at bndry and on fld. Fld avail. 0800 to 30 mins prior to off. sunset. Truck and two trailers 30' high on Rnwy 2-20, 150' S intersection Rnwys 14-32,2-20, lgtd (3-27)
STEVENS FLD (NORTH ADAMS)-Temp closed. (4-21)
WESTFIELD-RADIO: Rng flgt-checked July 25, courses correctly aligned.
WESTOVER FLD (CHICOPEE FALLS)-RADIO: Army ILS (CAA type) lclzr, Rnwy 24 unreliable. (4-23). HF/DF stn temp suspended. (5-22) FLD: Red bcn atop Mt. Nanatuck inop. (6-5) All acft on IFR approaching fld from NE will follow Amber 7 to Boston, thence follow Red 11 to Gardner intersection (W course of Boston Range and NE course Westover Range). Acft will report to Boston ATC over Gardner intersection and will then be instructed by Boston ATC to ctc Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing let-down procedures as disseminated from fld. Cruising alts assigned by Boston ATC will be maintained until further cleared to descent by Boston ATC. Westover approach control will assume control of acft upon departing Gardner intersection but not until released by Boston ATC. When under Westover approach control, all instructions will be followed which are transmitted by Westover Approach Control. (2-19)
[redacted]: ABRAMS ARPT (GRAND LEDGE)-Use strips only. (7-15)
ADRIAN CITY ARPT-SW corner of fld unsafe for landings and take-offs. (7-15)
ANN ARBOR ARPT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (5-23)
BAKER'S FLD(PORT HURON)-Use strips only. Fresh fill E 1/2 N/S strip from intersection to S end, also SW end NE/SW strip. Soft when wet. (2-25)
BEACH ARPT (CHARLOTTE)-Sides of rnwys used for taxi strips. Ctn should be used due to roughness. (7-16)
BISHOP ARPT (FLINT)-Use rnwys only-soft. Unmrkd acft parked on fld within 500' of bldgs. (6-9)
★CADILLAC-RADIO: VHF voice fac comm on 116.1 mcs. (7-22)
CADILLAC ARPT-S 100' of 1000' E/W strip avail. to all acft except tricycle gear acft. Other strip usable this area from N of bldgs to fld bndry. 40' crane 300' E, 100' S of E end E/W strip approx 200' off centerline of approach. (7-15)
CAMPBELL MUN. ARPT (INDIAN RIVER)-Emerg use only. (3-21)
CAPITAL CITY ARPT (LANSING)-N/S rnwy avail. days only. Equip. on fld days. Acft parked on W side of fld E of apron. (7-16)
DALTON ARPT (FLUSHING)-Ctn during wet weather. (4-11)
FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (4-24)
FORD ARPT (DETROIT)-Avail. in emerg only. (7-15)
★GLADWIN-RADIO: VHF voice fac avail. on 116.1 mcs. Stn now guards 3105,4495,6210, 3117.5 kcs, 116.1,122.1 mcs . These data rcvd too late for inclusion on data page and charts.
★GRAND MARAIS-RADIO: Cont rcvg watch on 3105 kcs and scheduled weather bdcast on the hr and 30 mins past the hr established on city operated rng July 24.
★GRAND RAPIDS-RADIO: Rng coordinates: lat 42-52-57; long. 85-36-55. (6-30)
••GROSSE ILE-Large ctn area approx 29 mi. SW has been discont.
GROSSE ILE NAS (DETROIT)-Fld lgts on prior req. (7-1)
HAINES FLYING FLD (THREE RIVERS)-Use strips only. (7-16)
JAMES CLEMENTS ARPT (BAY CITY)-Use rnwys only. Closed ngts. (7-22)
JOY ARPT (DETROIT)-Ctn-const on cinder rnwys and taxi strips. (7-20)
LINDBERGH MUN. ARPT (KALAMAZOO)-Avail. ngts in emerg. Land in accordance with wind tee lctd midway between NW end NW/SE and N end N/S rnwys. Use rnwys only. (5-23)

MICHIGAN: OSCODA AAF-Use rnwys, taxi strips only.
PHELPS COLLINS ARPT (ALPENA)-Lgt acft may use sod only between rnwys and ramp. (other sod has fox holes). (7-15)
ST. CLAIR CO. ARPT (PORT HURON)-Use rnwys only-soft when wet. (7-16)
••SALEM-RADIO. Visual-aural rng comm at lat 42-24-29, long. 83-35-37, lctd 1 mi W of Salem. Freq. 109.1 mcs. ident. "SVM" Visual courses: 82°,262°; aural courses: 172°,352°. Ctn - unmonitored. (7-21)
SAULT STE MARIE ARPT-Loose gravel on N/S rnwy. Use rnwys only. (7-16)
SELFRIDGE FLD (MT. CLEMENS)-RADIO: Army rng will be relctd soon. (5-20)
TRAVERSE CITY ARPT-Use rnwys only. (6-9)
WASHTENAW ARPT (DEXTER)-Use rnwys only. Avail. days only. (2-20)
WAYNE CO. ARPT (DETROIT)-No lgts or rdo. (7-16)
☆WILLOW RUN ARPT (YPSILANTI)-RADIO: CAA ILS with voice comm July 25, lclzr lctd on NE'SW rnwy (4R). Glide path angle 2 1/2°. See pages 32, 140. FLD: Equip. on fld. Trucks on NE SW strip. Pilots must register with Ramp Control Supervisor on arvl and check out on dptr. Graduated scale of landing fees in effect for all revenue producing trans acft. (6-17)
MINNESOTA: AITKIN MUN ARPT-Const. (3-18)
APPLETON ARPT-Use rnwys, taxi strips only. (2-14)
BENSON ARPT-Use strips only. Closed to trans acft. (4-14)
BLUE EARTH ARPT-NW/SE strip avail in dry weather. (5-6)
COLERAINE ARPT-Slightly rolling. Const on fld. Usable in N/S and NW/SE direction only. (11-5)
DECKER ARPT (AUSTIN)-Acft over 3500 lbs use ctn. Const. (4-21)
DETROIT LAKES ARPT-Use strips only. (5-5)
DULUTH ARPT-Use rnwys only. Ctn during ngt landings and take-offs - deer on fld. (7-3)
KENYON ARPT-N/S strip slopes to the N, NE/SW slopes to the NE. (5-9)
MANKATO ARPT-Strips soft during spring thaws. Closed to all multi-engine and heavy single engine acft. (4-1)
MARSHALL ARPT-Newly graded and seeded strips. Use with ctn. Avoid in wet weather. (4-28)
MONTEVIDEO ARPT-Strips muddy when wet. (3-14)
NEW ULM ARPT-E/W strip has 10' hill. Use with ctn. (11-1)
ORTONVILLE ARPT-Temp closed (const). (6-20)
PRINCETON ARPT-Use N/S strip only. (5-12)
ROCHESTER ARPT-Ruts in center of infld bounded by E/W, NE/SW, NW/SE rnwys, mrkd. (7-30)
ST. PAUL ARPT-Use rnwys, taxi strips only. (3-31)
THEIF RIVER FALLS MUN. ARPT-Use rnwys only. Bal fld planted in grain. (4-30)
••TOBY ARPT (ANNANDALE)-Formerly Kentoby Arpt. (5-7) See page 13.
UNIVERSITY OF MINNESOTA ARPT (NEW BRIGHTON)-N end N/S strip rough. (4-3)
VICTORY ARPT (MINNEAPOLIS)-Surplus Acft Sales Center-parked acft.
VIRGINIA ARPT-Rough. (4-1)
WHITNEY MEMORIAL ARPT (ST. CLOUD)-Equip. on fld all hrs. Use N/S strip along E side fld and E'W strip along S side fld. Closed ngts. (7-26)
WOLD CHAMBERLAIN FLD (MINNEAPOLIS)-Foreign Clearing Stn for Musk-Calf Project Flgts. Ltd maintenance facs, no parking facs for Army acft temp. No Army acft fuel avail. except on off. bus. or emerg. Exper horizontal neon lgt installed on fence 300' S of S end N/S rnwy. Heavy acft use rnwys, taxiways only-soft. High intensity rnwy lgts to be in oper along both sides N/S rnwy approx Aug 5. (8-2)
MISSISSIPPI: BASS FLD (LULA)-Landing area rough. (11-13)
COLUMBUS AAF-Use rnwys only.
GREENWOOD ARPT-Use rnwys only-sodded portions soft. (4-29)
GRENADA ARPT-NE'SW rnwy closed. (6-28)
GULFPORT ARPT. MUN.-Avoid flying over area directly off SW corner. Entire sod fld avail. (4-1)
••HAWKINS ARPT (JACKSON)-175' twr rdo stn WSLI approx 4 mi SE perm dismantled. (7-26) Two 115' temp lgtd stacks 1 1/2 mi SE. 136' water tank being erected 3.5 mi SSE (155° true) temp lgtd during const. Large holes adj N taxiway, mrkd. Bndry, obst lgts S bndry of arpt between Rnwys 11, 34 inop (being repaired). No gas avail. mil acft except on orders. (7-22)
[redacted]-JACKSON CO. ARPT (PASCAGOULA)-Trans acft use rnwys only-drainage grills under grass. (5-17)
KEESLER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way rdo. 20' boom NE corner NE/SW rnwy, mrkd. (4-28)
KEY FLD (MERIDIAN)-Unlgtd 143' stack and 101' tank 1500' NE of fld and in line with approach to Rnwy 22 and take-off path Rnwy 4. Entire fld and surrounding obst unlgtd except rot. bcn, N/S rnwy lgts and a few lgts on the NE/SW rnwy. (5-26)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
LOUISVILLE ARPT-N 1/3 of strip unusable in wet weather. Ditches near edges of strip. (12-20)
MARKS ARPT-Ctn in wet weather. (2-21)
McCOMB ARPT-West 1/3 of E/W strip unusable. (2-17)
O'KEEFE FLD (NEWTON)-Soft when wet. Low spot 450' N of circle mrkr. (4-24)
TATE ARPT (LELAND)-Soft when wet. (4-24)
TUPELO ARPT-Equip. stakes on fld. (1-2)
YAZOO MUN. ARPT-Use N/S strip only, bal fld soft. (2-17)
[redacted]ACE HIGH ARPT (GALT)-Under const. Use with ctn. N/S strip slopes badly to S.
BUTLER ARPT-NE/SW, NE/SW strips being lengthened, all strips being widened. (2-17)
CHILLICOTHE ARPT, SITE 7, KC-CG-Use sod areas with ctn, numerous washes, ditches, and wheel tracks. Avoid unmrkd ditches SW side SE end of paved rnwy and SE edge NE/SW rnwy SW of CAA weather stn. Keep to paved rnwy and taxi strip when wet. (5-5)
★COLUMBIA-RADIO: Auto. rng monitor. sys installed on W course and comm. July 30.
COLUMBIA ARPT-Heavy student traffic. Ngt flying 3 mi radius fld. Sod at rnwy sides soft when wet. Traffic pattern 800' on down-wind leg. Blinding ceilometer 1000' E of rot. bcn. Equip. on fld days. (6-3)
••GREENVILLE AAF-No lgts or svcg. (8-4) See page 112.
HARRIS FLD (CAPE GIRARDEAU)-Use strips only - parked acft.
INDEPENDENCE ARPT-CLOSED. (3-14)
JEFFERSON CITY ARPT-NE/SW, E/W strips avail. twin-engine acft not exceeding weight of C45, UC78. (4-22)
JOPLIN ARPT-Obst lgts NE end NE/SW runway inop. (2-22)
KANSAS CITY-RADIO: VHF omni-directional rng operating on exper basis. Oper of fac will be interrupted from time to time for adjustments and installation of adtnl equip.
★KANSAS CITY ARPT-RADIO: Bndry mrkr of CAA ILS comm July 30 about 60' N from N end of N/S rnwy, ident 6 dots. Glide path monitored cont. Soon outer mrkr and outer compass lctr will be inop for approx 2 weeks for relctn. (7-3) CAA ILS has low clearance spots or false courses 90° E of front course and 50° W of front course. Middle mrkr temp unmonitored. (7-30) FLD: Avail. mil acft not exceeding 50,000 lbs. Army acft rstd from refueling except in extreme emerg. No. 1 neon lgt lctd approx 90' N of N end of N/S rnwy and green course lgt approx even with N end N/S rnwy operating. Take-offs by lgt acft to the N from E of N/S rnwy prohibited. Obst lgt atop dike and on the extension of centerline of N/S rnwy. Heavy acft use rnwys and taxi strips only. Const immediately N of Term. Bldg-ctn when parking acft this area. 13' lgtd structure lctd 75' W of centerline at S end of N/S rnwy. Levee has been raised to 20' above fld level 200' off S end N/S rnwy, unlgtd. Five 300' twrs being erected 1.1 mi NNE (22° true), temp obst lgtd. (5-28)
KING ARPT (HOUSTON)-Staked for impending const. (4-2)
KIRKSVILLE ARPT, SITE 12, KC-CG-Sod portions fld soft. Heavy acft use N/S rnwy. (4-28)
KRATZ FLD (ST. CHARLES)-Avail. lgt acft only. Use with ctn. (7-14)
LAMBERT FLD-ST. LOUIS ARPT (ST. LOUIS)-RADIO: Middle mrkr of CAA ILS temp unmonitored. Soon outer compass lctr will be inop for about 6 days for relctn. (8-1) FLD: Closed to lcl non-rdo equipped acft and to trans acft without 2-way rdo. Soft off rnwys-avail. lgt acft. SW taxi strip closed. Apron NW corner fld and approach end Rnwy 7 closed. Equip. at intersection Rnwys 6-24, 16-34 days. Port. rnwy lgts on Rnwy 7-25. Const in progress on new rnwy 1500' SE of intersection Rnwys 6-24 and 16-34 thru intersection to approach end Rnwy 7. Const areas lgtd ngts. All Navy facs closed to all trans acft except off. orders and emerg less cross country training. Taxi strip between Rnwys 7-25 and 6-24 under const, mrkd. Grass area W of const to Rnwy 16-34 closed. 550' of approach end Rnwy 7 closed. Apron along hangar line usable-rough. Tetrahedron uncontrollable, unlgtd. (7-25)
MARYSVILLE MUN ARPT-Use strips only. (9-18)
McFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (2-20)

MISSOURI.NEUBEISER OLF (ST. LOUIS)-Use in emerg only (caretaker status-no facs).
ROSECRANS FLD (ST. JOSEPH)-Use rnwys only-sod areas unsafe. Equip. on fld. days. (4-29)
SIKESTON ARPT Use rnwys only-parked acft.
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough. Blinding 30 million candle pwr ceilometer in oper on E bndry. (4-29)
TARKIO SITE 10, KC-OH-S 1/3, N/S and E 1/3, E/W strips unsafe heavy acft (soft). (5 5)
VAUGHN ARPT (TRENTON)-1-1/2' ditch each side of strips. (2-26)
MONTANA.BILLINGS-RADIO: About Aug 11, Huntley FM will be comm on E course, 10.5 mi from rng, ident one dash. Spurious signals during tuning. Simultaneously, Kibbe FM will be discont. (7-8)
BILLINGS ARPT-Army acft rstd from refueling except in extreme emerg. (12-26)
★BUTTE-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. (7-23)
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-CLOSED (rnwys being resurfaced). (7-22)
★CUT BANK-RADIO: Stn now guards 3105,4495,6210,3117.5 kcs., 116.1,122.1 mcs. (8-2) These data rcvd too late for inclusion on data page.
DEER LODGE ARPT-Equip. on fld. Avail. with ctn. (6-3)
★DILLON-RADIO: Low freq rng stn now guards 3105,4495,6210,3117.5 kcs, 116.1,122.1 mcs. (7-31) These data rcvd too late for inclusion on data page. VHF omni-directional rng shut down for an indef. period. (7-26)
★DRUMMOND-RADIO: Stn now guards 3105,4495,6210,3117.5 kcs, 116.1,122.1 mcs. (8-1) These data rcvd too late for inclusion on data page.
GREAT FALLS-RADIO: VHF omni directional rng shutdown for an indef period. (7-26)
GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of rnwy shoulders-use 150' center strip. (3-27)
HELENA ARPT-Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. E 200' E/W rnwy closed, mrkd. Right traffic W winds, left traffic E winds. Traffic 600'.
HOT SPRINGS ARPT-Rough-muddy when wet. (12-13)
LEWISTOWN ARPT-Use rnwys only. Rnwy 2-20 being shortened to 6400'. SW 3600' will be discont. (6-29)
LIVINGSTON MUN ARPT, SITE 10, HL-TWIN CITIES-Stn KVRI erecting 50' unlgtd antenna pole atop 300' hill 2.5 mi WNW (288° true). (3-11)
★MILES CITY-RADIO: Low freq rng stn now guards 3105,4495,6210,3117.5 kcs, 116.1,122.1 mcs. (8-4). These data rcvd too late for inclusion on data page. VHF omni-directional rng inop. (7-31)
MILES CITY ARPT-NW and NE floodlgts inop. (5-7)
MISSOULA CO. ARPT-NE/SW rnwy closed. NW/SE rnwy closed to class B 17 or heavier acft. (2-21)
MOORE ARPT-S end N/S strip rough. (7-30)
NIBBE-RADIO: FM on E course of Billings rng will be discont about Aug 11.
POLSON ARPT-Usable with ctn. (7-19)
PONDERA CO. ARPT (CONRAD)-Ctn in wet weather (muddy). (3-31)
POPLAR ARPT-Dangerous when wet. (9-6)
ROUNDUP ARPT-NE 2500' NE/SW strip unsafe-large holes, mrkd. (1 21)
SIDNEY ARPT-Ends of strips in cultivation.
VALLEY CO. ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using. (9-7)
NEBRASKA:CLAY CENTER ARPT-Not maintained. (7-28) See page 60.
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (3-10)
CRETE ARPT-Use rnwys only. W 1/2 of E/W rnwy closed. (3-13)
ELGIN ARPT-Haystacks on fld. (3-10)
FREMONT ARPT-Sod areas freshly seeded unsafe for landing or taxiing when wet. (7 2)
GRAND ISLAND AAF-Blinding ceilometer lctd 1000' N of Admin Bldg. (5-8)
HARMON ARPT (KEARNEY)-Ctn in wet weather. (6-9)
HASTINGS ARPT-Use strips only-soft. (5-24)
KEARNEY AAF-RADIO: Army H fac temp inop. (1-21) FLD: No opers office. (3 24)
LAKESIDE ARPT (FRANKLIN)-ABANDONED. (7-21) See page 60.
LINCOLN ARPT-Private acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. Equip. on fld until approx Aug 16. No NG fuel avail. (7-30)

NEBRASKA:NORTH PLATTE ARPT-Army acft rstd from refueling except in extreme emerg. (10-9)
★OMAHA ARPT RADIO. Voice and ident comm at CAA ILS. See pages 36,38. Lclzr and glide path of CAA ILS flgt-checked. (7-22) FLD: Use rnwys only. Rnwy 17R-35L avail. days only. (4-7)
PENDER ARPT-Extreme ctn during wet weather. Lgt acft only. (2-20)
SCOTTSBLUFF ARPT-Taxi strip in E end fld leading to NE/SW rnwy closed. (7-7)
SIDNEY INT, SITE 50, SL-OH-Use rnwys only, bal fld rough. (4 23)
SIDNEY MUN. ARPT-Sdt in wet weather. Equip. on fld. (6-18)
NEVADA BATTLE MTN FLIGHT STRIP, SITE 35, SF-SL-Shoulders soft when wet. (7-12)
BOULDER CITY ARPT-N edge of SW end NE/SW rnwy soft. Land near center of rnwy.(7-2)
DOUGLAS TAHOE ARPT (MINDEN)-S 700' N/S taxiway closed. (4-2)
FERNLEY INT, SITE 22, SF-SL-Rough with soft areas due to wind erosion, soft sand, mrkd. Avail. days only. (3-11)
GOODSPRINGS RADIO: FM temp inop. (6-19)
HAWTHORNE ARPT-Traffic is 1500' outside of city mi square and 600' alt. Civil acft advised to enter and leave fld by following the main thru hwys and not fly directly over any bldgs. (3-3)
HUMBOLDT INT, SITE 28B, SF-SL-Washes E portion fld dangerous lgt acft, mrkd. (4-5)
LAS VEGAS RADIO. Visual-aural rng operating on test basis = disregard spurious signals.
LAS VEGAS AAF Bndry, rnwy rng lgts in cont ngt oper. Rnwy ctc lgts and neon approach lgts not avail. midngt to 0800 daily. (2-17)
MORMAN MESA INT, SITE 31B, LA-SL-NE end NE/SW strip being extended 600'. Const in progress until approx Aug 9. Sections of the bndry lighting will be in oper during const. (7-15)
TAHOE SKY HARBOR ARPT (ZEPHER COVE)-Trans or inexperienced pilots avoid using. (8-5)
WELLS INT, SITE 46, SF-SL-E/W strip 5700' long with paved rnwy 5500 x 150' and NE/SW strip 3800 x 500' will be comm soon for daytime use only. Lighting consisting of bndry lgts on E, W strip, 6 RPM clear bcn with green course lgts flash. char dash dot dash and lgtd wind cone will be comm at a later date when pwr avail. Equip. along edges of strips. (7 16)
YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)
NEW HAMPSHIRE.BOIRE FLD (NASHUA)-Wind sock atop brick hangar indicates wind condition. In calm air conditions take off and land to NW. Unlgtd 34' hangar under const adj to bldgs S border of fld. Rnwy const NW end of fld. Equip. on fld. Use ctn. Bcn oper intermittently. (7-14)
BRATTLEBORO HINSDALE AIRPARK (HINSDALE)-Use only N/S strip unless familiar with fld. (6-4)
CONCORD-RADIO: Rng flgt-checked July 30, courses correctly aligned.
CONCORD ARPT-Lgts Rnwy 3-21 inop. (5-12)
DEAN MEMORIAL ARPT (HAVERHILL)-New strips dangerous when wet. (2-17)
GRENIER FLD (MANCHESTER)-RADIO: Army ILS glide path inop. (7-10)
HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-9)
LACONIA ARPT-Safety strips rough. Holes and cave-ins edges E/W rnwy. (4-12)
LAFAYETTE FLD (PORTSMOUTH)-CLOSED (emerg use only). (5-6)
LAKES REGION ARPT (WOLFEBORO)-Turf strip unsafe (flooded areas). (4-7)
NEWPORT ARPT-60' trees N end N/S strip. (10-9)
NEW JERSEY:ATLANTIC CITY-RADIO: Visual-aural rng inop. (6-6)
ATLANTIC CITY ARPT-No acft of a gross weight exceeding 15,000 lbs shall be permitted to use arpt except in cases of emerg. (7-24)
ATLANTIC CITY NAS-Avail. 0800 to sunset. ETA prior to 0800 and after sunset rqrs 24 hrs pervious arrangement with Opers Officer. (12-11)
ATLANTIC OCEAN-Over-water bombing practice approx 40 mi off shore will be conducted at the following positions: lat 39-47-10, long. 73-26-00; lat 39-22-00, long. 73-25-00. This activity has not yet been cleared with Airspace Subcommittee.
★CALCO STACK-RADIO: July 30, LFM comm on NE course of Newark rng, at lat 40-43-00, long. 74-08-21, ident. one dash.
CALDWELL-RADIO: Visual-aural rng will be comm soon at lat 40-50-45, long. 74-23-00.

NEW JERSEY:Freq 109.1 mcs. Ident. "NU" Visual courses: 112°,292°, aural courses: 22°,202° Var. 11°W. Class: VARW. (7-10)
CALDWELL-WRIGHT ARPT-Right traffic when taking off and landing from SW. (4-24)
CAPE MAY CGAS-Closed to trans acft except in emerg (caretaker status-no facs).
COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (3-3)
HADLEY ARPT (NEW BRUNSWICK)-Use only cinder strips in wet weather. (2-27)
LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Right traffic when taking off and landing to the SW. (5-16)
LAMBROS SEAPLANE BASE (RIDGEFIELD PARK)-Right traffic for take-offs and landings to the S. (7-18)
LINCOLN PARK ARPT-Right traffic N, NW, NE winds. (5-7)
LITTLE FERRY SEAPLANE BASE-Right traffic when taking off to the S. (1-29)
LYNDHURST-Bcn atop N twr Rdo Stn WINS inop. (1-29)
MELLOR-HOWARD SEAPLANE BASE (RIDGEFIELD PARK)-Right traffic when landing to the E. (1-24)
MILLVILLE ARPT-Rnwys incorrectly mrkd. N/S rnwy 18-36 should be 1-19; NE/SW rnwy 4-22 should be 5-23; E/W rnwy 9-27 should be 10-28; NW/SE rnwy 12-30 should be 14-32. Bndry lgts inop. Ctc lgts E/W, N/S rnwy inop. (4-4)
NEWARK-RADIO: Aug 4, rng flgt-checked courses correctly aligned.
NEWARK ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic.(4-23) FLD: To reduce acft noise over Newark residential area and avoid tall bldg section: 1. Increase rate of climb as much as practicable. 2. N-bound or E-bound acft make left turn as soon as practicable in take-off to SW. 3. Make a half left turn as soon as practicable in take-off to W. 4. Make a half right turn as soon as practicable in take-off to N. Pass at least 500' E of gas tanks lctd in Harrison when making a S approach to the N/S rnwy. (9-7) Closed to all acft without 2-way rdo. Landing fee for trans acft now in effect based on weight. All acft must taxi to Registry Office NW side fld and register. E 800' Rnwy 28 rough. Pilots are to make approach for numeral on rnwy. No hangar space for Army acft. 75' lgtd pile driver 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. Ditch 12' E on both sides of and parallel to red approach lgts and overrun on Rnwy 6, extending up to green ctc lgts then continuing from Rnwy 6 to E taxi strip and along E side of same for approx 1500'. No maintenance facs mil acft. No aviation fuel avail. to Army acft unless on off. bus. with written orders, opers orders not acceptable. (8-25)
**OCEAN CITY ARPT-Formerly carried as Clarke Arpt. (7-15) See page 88.
OCEAN COUNTY ARPT (BRETON WOODS)-Const on NE/SW strip. (2-25)
RED BANK-Captive meteorological balloon vcnty of Red Bank between 2100 and 0600 daily until Sept. 1. Balloon will be released only when ceiling is 2000' and visibility 5 mi or better. (7-2)
RED BANK ARPT-Closed to acft over 10,000 lbs except by prior fone arrangements. (7-19)
SOMERSET ARPT (SOMERVILLE)-On W take-off start left turn as soon as practicable. On NW take-off make gentle right turn as soon as practicable followed by wide left hand pattern. (3-16)
TARRYTOWN SEAPLANE BASE-Right traffic when landing and taking off during S winds.
TETERBORO AIR TERMINAL (BENDIX)-Const. Pilots using fld do so at their own risk. Rdo rcvrs rqrd all acft using fld. Unsurfaced taxiways rough. 400' min. ceiling with 1 mi visibility authorized for non-scheduled air carrier take-offs under IFR conditions. S taxi strip closed-const. All rnwys being extended. Rnwy 6 avail. with ctn. (7-15)
TRIANGLE ARPT (GLASSBORO)-Strips being graded and fld being enlarged. (7-30)
NEW MEXICO:ALAMOGORDO AAF-RADIO: Army rng inop. (6-6) FLD: Wind tee inop. Closed to all trans acft except on orders from CG, AAF; CG, AMC; or CG, SAC. Acft will not carry passengers not listed on orders to this fld. Opers and svcg avail. 0730 to 1600 Mon thru Fri only. (6-6)
ALBUQUERQUE ARPT-Used by WAA. Avail. only for delivery surplus acft, prospective purchasers of surplus acft or parts, or in emerg. E/W rnwy closed. (4-18)
CARLSBAD ARPT NO. 1-CLOSED (rnwys in need of repairs). (7-7)
★CLOVIS AAF-RADIO: Army rng and twr discont July 26. FLD: No opers office. Emerg landings only ngts. (5-21)
CONDRON FLD-See notice under White Sands Proving Ground, N. M.
CREWS FIELD, SITE 42, EO-PU (RATON)-Avail. days only. (3-18)
**EL MORRO-RADIO: Rng coordinates: lat 35-01-30, long. 108-24-14. (7-2)
ENGLE INT, SITE 10, EO-PU-Unsafe lgt acft-rough. (7-23)
NEW MEXICO.GALLUP ARPT-E/W rnwy closed. (3-18)
GALLUP CITY ARPT-ENE/WSW strip under const. (3-18)
HOBBS AAF-Rnwys 3-21, 12-30 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (3-12)
HOBBS MUN. ARPT-Allway landing area rough. Heavy acft use rnwys only. (3-18)
JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)
KIRTLAND FLD (ALBUQUERQUE)-RADIO: CAA ILS lclzr and glide path will be shut down Aug 28, until approx Sept 1, for adjustment and installation work. (7-18) CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4 5)
LAS VEGAS ARPT-Use rnwys only, bal fld unsafe. (2 21)
LOS ALAMOS AIRFLD-Closed. Landing permission must be obtained from the Area Mgr. United States Atomic Emergy Comm, Santa Fe, Area, P.O. Box 1539, Santa Fe, N. Mex. (5-15)
LOVINGTON ARPT-Cattle on fld. (9-16)
MAGDALENA MUN. ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (3-18)
OTTO INT, SITE 74, LA-AQ-Unsafe lgt acft-rough. (6-18)
PARKER FLD (RUIDOSO-FT. STANTON)-Cattle on fld. (9-16)
ROSWELL-Inten inst training on Roswell Rdo Rng below, above, and in overcast. Acft inbound to Roswell or operating in vicinity under IFR, contact Roswell Rdo for instructions.
ROSWELL AAF-Ltd parking. (2 16)
SANTA FE ARPT, new-Army acft rstd from refueling except in extreme emerg. (1 15)
TULAROSA ARPT-Use E/W strip only. (9 16)
WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condron Fld, White Sands Proving Ground will be cleared to Biggs Fld. Tex, and will obtain permission and instructions from Biggs Fld Opers before landing at Condron Fld. When Condron Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by rdo prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condron Fld. (10-14)
NEW YORK.AERO LAKE SEAPLANE BASE (KINGSTON)-Right traffic when wind from the N. (5-27)
★ALBANY-RADIO: July 30, rng freq changed to 263 kcs. Flgt-checked. courses correctly aligned. About Aug 12, Round Lake FM will be comm on the N course. 10.2 mi from rng stn, at lat 42-56-30, long. 73-47-20, ident. one dash. Concurrently with the comm of this FM the Saratoga Springs FM on the N course will be decomm. (7-25)
ALBANY ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-22) FLD: Equip. on fld intermittently. 45' mooring mast erected in SW corner arpt, 500' W of N/S rnwy, lgtd. 250' blimp moored to mast until Aug 22. Overall height with blimp 70'. (7-23)
AMSTERDAM ARPT-CLOSED (soft). (4-11)
BATH-H'SPORT ARPT (HAMMONDSPORT)-Right traffic for landings and take-offs to the W. Use strips only-newly seeded sod, slippery when wet. (6-23)
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO-RADIO: Rng-flgt-checked May 30, NE course 4° NW. bear. 226°.
BUFFALO ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-26) FLD: Acft entering and departing Buffalo traffic zone use ctn-new arpt 4000' ESE. Rnwys and taxi strips mrkd with black flags for winter opers. (5-30)
CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control lcl traffic and at other times when circumstances make such practices consistent with safety. Reconditioning and resurfacing of rnwys and taxiways. Equip. on fld. Cont. (7-17)
CHRISTIE ARPT-Fld soft. Closed to trans acft. (3-8)
COLUMBIA AIRFLD (VALLEY STREAM)-Closed to all Navy acft except in emerg. (5-13)
★COXSACKIE-RADIO: July 30, FM placed in cont oper on S course of Albany rng at lat 42-22-30, long. 73-49-50, ident two dots three dashes. Flgt-checked July 1, radiation pattern normal.
★DANSVILLE-RADIO: Voice commun. and hourly weather reporting service became avail. 24 hrs daily effect. July 30.

NEW YORK: **EDO ACFT CORPORATION SEAPLANE BASE (COLLEGE POINT)-Lat. 40-47-15, long. 73-51-15. 0.7 WNW on East River. 1 ENE of La Guardia Fld. Factory and Navy use only. Trans. svcg in emerg. only. (6-3)
FLOYD BENNETT FLD NAS (NEW YORK)-Avail. 0800 to sunset. Avail. to transport traffic after sunset upon receipt of 2 hrs prior req of ETA. (5-18)
FLUSHING ARPT-Right traffic on N and NW, wind from 315° to 360°. All turns to left on ground. (3-28)
FORT PLAIN INT, SITE 40A, CV-AZ-Safe for middle weight twin-engine acft. SE 700' NW/SE, SW 300' NE/SW strips soft and rough. Dangerous areas mrkd. (7-7)
FULTON ARPK-Right traffic when landing S and SE. (3-31)
HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HYLAN FLD (ROCHESTER)-Use strips only-ctn when wet. (5-18)
IDLEWILD-RADIO: Courses aligned by ground check only. (7-23) CAA ILS comm Apr 9, for purposes of pilot training and familiarization only. Hrs of oper: 0830 to 1700 Mon. thru Fri. Serves Rnwy C (ENE/WSW) with approach from WSW. Mag. heading for landing: 72°. Lclzr freq 109.5 mcs, ident. "NY". Glide path freq. 332.6 mcs, angle: 216°. Outer mrkr lctd 5.8 mi from end of Rnwy C, keyed 2 dashes per sec. All acft utilizing this fac must clear with Navy twr at Floyd Bennett Fld. Idlewild Arpt under const and minimum alt permitted during simulated approaches will be 200'. (4-11)
IDLEWILD ARPT-Not yet opened - const. (3-13)
ISLIP-RADIO. Commissioning of VHF rng has been indefinitely postponed. (5-2)
ITHACA ARPT-Right traffic pattern in use. (3-3)
KINGSTON ARPT-Right traffic when wind from S. (5-27)
★LA GUARDIA (NEW YORK)-RADIO: Var. 12° W. Rng courses: 43°,130°,223°,274° (7-7) Twr equipped to transmit on and guard 121.9 mcs. for mobile gnd traffic. (3-25). CAA ILS flgt-checked. Simultaneous voice channel on lclzr comm July 23. Controlled by La Guardia twr for use by La Guardia GCA and Approach Control. Acft transmit to La Guardia GCA or Approach Control on authorized acft transmitting freqs and rcv on 109.9 mcs when desired. (7-25) FLD: ARMY ACFT HAVING OFF. BUS. WITH HQ ATLANTIC DIV ATC FT. TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. with Cmdr Eastern Sea Frontier or Hdqs 3rd Naval District when RON or refueling svcs not rqrd. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVAL ACFT USE NAS FLOYD BENNETT. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Obst lgts atop lclzr shack approach end Rnwy 22 and end Rnwy 4. 20' lgtd bldgs 300' E of NE end NE/SW rnwy. 40' GCA truck and trailer 500' W of intxn Rnwys 4-22 and 13-31, mrkd. Bowery Bay closed to all types seaplanes or flying boat oper account boring opers to permit westward exten of E/W rnwy. Will be completed approx Jan. 1949. (7-22) Port of New York authority advises that no four-engine acft carrying passengers or cargo shall use Rnwy 18-36 for landings or take-offs. (6-5)
MacARTHUR FLD (ISLIP)-Rnwy 14-32 closed (cable being installed). Acft use ctn-unconventional flight test oper. Equip. on fld days. (7-7)
MASSENA-RADIO: Ctn - visual-aural rng unmonitored. (7-7)
MASSENA-156' twr Rdo Stn WMSA lctd 3 mi SW (232° true) temp lgtd with red lgts on top Upon completion lgtg facs will consist of 300 mm flash. bcn atop and four side lgts; two at 1/3 level, 2 at 2/3 level.
MASSENA ARPT-Use rnwys, taxi strips only-turf rough. (2-21)
**MERCURY ARPT (HAMMONDSPORT)-ABANDONED. (3-28)
MITCHEL FLD (HEMPSTEAD)-RADIO: AACS operated HF/DF stn temp suspended until further notice. (4-24) FLD: Rnwy 18-36 closed. (4-25)
NANTICOKE VALLEY ARPK (MAINE)-Flares avail. in emerg. (3-17)
NASSAU ARPT (HEMPSTEAD)-Fld not maintained. (6-28)
NEW HACKENSACK-RADIO: Rng flgt-checked July 25, courses correctly aligned.
NEW HACKENSACK ARPT-CLOSED. (3-10)
NEW YORK-Each week end, weather permitting, between the hrs of 0900 Sat. and 1600 Sun, Naval acft from NAS N.Y. will conduct live gunnery runs and practice bombing in the following areas over New York Harbor: beginning at lat. 40-36, long. 73-15, to lat. 40-49, long. 72-30; to lat. 40-00, long. 72-30; to lat. 40-00, long. 73-15; thence to point of beginning. (2-6). THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIR-

NEW YORK: SPACE SUBCOMMITTEE.
NEW YORK-SPECIAL NOTICE-New traffic control procedures entitled "Instrument Flight, New York Metropolitan Area", see page 152, Special Notice.
NEW YORK-SPECIAL NOTICE-All acft operating in the vicinity of Upper Manhattan, New York City, N.Y., avoid flying over or near Lewisohn Stadium, 137th and Amsterdam Ave., between the hrs of 2000 and 2300, June 16 to Aug. 9. Lctn just E of the Hudson River Midway between the NW corner of Central Park, and the E end of the George Washington Bridge. (6-20)
NEW YORK CITY-See Special Notice "Restriction on Flight of AAF Acft in New York City Area".
NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2100 to 0700. (6-16)
NYACK SEAPLANE BASE-Right traffic on N take-offs. (6-25)
OQUAGA LAKE SEAPLANE BASE-Base lctd at lat 42-03, long. 75-29 is a resort lake during July, Aug, and Sept. resulting in increased activity. Seaplanes using this lake are ctnd to use extreme care while operating in this area. (7-18)
PENN YAN ARPT-Ctn at N/S and E/W intxn. Soft in wet weather. (3-4)
PLEASANTVILLE-RADIO: MH fac operating for test purposes only at lat 41-08-07, long. 73-46-00, freq. 281 kcs, ident. dash dot dash. Class: MHW. (7-19)
RANDALL'S ARPT (MIDDLETOWN)-Fld soft in wet weather. (3-1)
REPUBLIC FLD (FARMINGDALE)-Closed ngts. No lgt facs. (3-3)
RIDGEWAY ARPK (ROCHESTER)-Use rnwys only-extreme ctn in wet weather. (3-27)
ROCHESTER ARPT-Use rnwys only - soft. No hangar space. Equip. on fld days. (2-24)
ROCKLAND ARPT (NEW CITY)-50' unlgtd pole immediate vcnty of arpt. (6-5)
ROME AAF-Traffic alt 1500' MSL. Right traffic pattern Rnwys 6, 33, left traffic pattern Rnwys 10,15,24. Hospital 3/4 mi from Rnwy 28-avoid if possible. Clump of trees 125' to left and 700' from end of Rnwy 24. (4-18)
ROSS ARPK (PULASKI)-Use ctr of rnwys only. Sides soft (4-5)
★RYE-RADIO: MH fac placed in cont oper and comm July 30 at lat. 40-58-28, long. 73-43-11, about 12.6 mi from La Guardia Rng Stn on the NE course. See pages 40, 42. Flgt-checked July 7, oper normal.
SALAMANCA ARPT-SPECIAL NOTICE-The city of Salamanca has passed an ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100 for each violation. Closed to heavy acft. FLD: Right traffic when taking off and landing into the W. (5-7)
SARANAC LAKE ARPT-Use rnwys, taxi strips only-turf rough. (11-27)
SARATOGA SPRINGS-RADIO: FM will be decomm concurrently with the comm of the Round Lake FM on the N course of the Albany Rng. (7-25)
SCHENECTADY CO. ARPT-Equip. on fld intermittently. Use rnwys only, grass areas soft. (3-26)
SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic when landing to the E. 800' mtn directly N of fld. (5-5)
SCOTT FLD (LANCASTER)-CLOSED. (6-6)
SHAWNEE FLYING SERVICE (NORTH TONAWANDA)-Glider activity, including airplane and auto tow in progress during the summer and autumn months. (6-13)
SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const-NE/SW avail with ctn. (2-21)
SILVER CREEK ARPT-CLOSED (const)(6-12)
SMITHPORT INC. (UTICA)-Use paved rnwy only. (5-9)
STEWART FLD (NEWBURGH)-No Army acft will be cleared this fld under IFR. (4-4)
SYRACUSE ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (7-23) FLD: About Sept. 1, approach lgt lane will be comm E end E/W rnwy. (7-3)
SYRACUSE MUN. ARPT-Turf areas soft after heavy rains. (6-13)
TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (2-25)

UTICA ARPT-Pipe line installations NE side fld, mrkd. Equip. on fld days. (6-19)
VALLEY AIR PARK (MIDDLEBURG)-Right traffic when landing to NW. New strip under

NEW YORK. cont'd. Present strip will have equip. on it all summer. (7-7)
WALLINGTON ARPT (SODUS)-Wires S end N/S strip, orchard N end. Equip. on fld. Avail. lgt acft only. Ctn when wet. Avail. days only. (5-29)
WARREN CO. ARPT (GLENS FALLS)-Equip. on fld intermittently days. (5-27)
WATERTOWN-RADIO. Ctn - visual-aural rng unmonitored. (7-7)
WERLE FLD (DUNKIRK)-Scattered ruts on fld, mrkd. (6-19)
WESTCHESTER-RADIO. MH fac operating for test purposes only at lat. 41-04-09, long 73-43-01, freq. 260 kcs, ident. dash dot dot. Class. MHW. (7-19)
WESTCHESTER CO. ARPT (WHITE PLAINS)-RADIO. Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-6)
WINGDALE ARPT-Avail. lgt acft only-rough. (3-21)
ZAHNS AIRFLD (AMITYVILLE)-Right traffic when landing and taking off to the N as P84 jets are flying from Republic Fld. (5-8)
NORTH CAROLINA. ASHBORO ARPT-220' twr Rdo Stn WGWR being erected 6.5 mi NNE (13° true), temp obst lgtd. (5-14)
ASHEVILLE-RADIO: Ctn-visual-aural rng unmonitored, unattended, and should not be used for navigational purposes.
ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy, appch all rnwys with ctn, equip. on fld. No radio facs. (1-7)
ATLANTIC MCAAF-Use in emerg only (caretaker status - no facs)
BALLOON FLD NO. 1 (FORT BRAGG)-CLOSED TO ALL ACFT. No Army maintenance
BOGUE MCAAF-Use in emerg only (caretaker status-no facs).(4-16)
BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (12-6)
BURLINGTON ARPT-N/S strip and all sod area unusable. Use rnwys only. (2-20)
CAP ARPT (RALEIGH)-S 200' N/S strip unusable. SW 1400' NE/SW strip under const (2-10)
CHARLOTTE-RADIO: Soon. rng will be shut down for approx 3 days for conversion to simultaneous fac. (7-14). Stn class will be: SBMLZ-DTV.
CHERRY POINT MCAS-Equip. on rnwys. (6-30)
EDENTON NAS-Use in emerg only (caretaker status-no facs)
ELIZABETH CITY CGAS-Stay on rnwys-shoulders soft,rough. Closed ngts from 1900 to 0700 except on prior arrangement. Civil acft use only in emerg or with prior permission of the CO. Closed to acft exceeding 60,000 lbs gross weight. Rnwy 5-23 closed Equip. on fld. (6-13)
FORT BRAGG-Heavy firing is being conducted in all sections Ft. Bragg danger area up to 26,000' All acft must avoid this area shown on Flight Planning Chart 95 herein Inten training days with rdo control target planes from fld 6 mi due E on N end Pope Field Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute.
GASTONIA MUN. ARPT-Training program consisting of from 2 to 6 acft in progress ngtly during CFR conditions. All flgts conducted below 3000'. (1-29)
**GREENSBORO-HIGH POINT ARPT-No Navy activity. (7-21). See page 94. Use rnwys only (6-20)
HICKORY-RADIO: Ctn - visual-aural rng unmonitored, unattended and should not be used for navigational purposes.
JOSEPHSON ARPK (ASHEVILLE)-Four 181' twrs rdo stn WLOS being erected 0.5 mi NE (35° true), temp lgtd. (6-28)
KINSTON ARPT-Avail. civil acft only in emerg. (11-13)
NEW BERN-RADIO: Visual-aural VHF rng completely shut down for freq. change. (7-10)
★POPE FLD (FT. BRAGG)-RADIO: Army rng coordinates: Lat. 35-07-46, long. 79-00-36. (7-2) AACS oper HF/DF stn temp suspended (4-24). Army rng unreliable; all courses swinging, NW and SE courses too wide on on-course signal. (5-12) FLD: CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAY RDO - USE AUX FLD 2 MI. S, AT FT. BRAGG. 73 oct. avail. that fld. (1-31)
RALEIGH-DURHAM ARPT-Approach lgt lane operated when conditions of 1000' ceiling or less and/or visibility of 3 miles or less exists and on req. (8-4) ILS and transmitter bldg 900' from NE end NE/SW rnwy. Glide path unit 400' S centerline and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obsts mrkd. Use rnwys, taxi strips only. (7-18)
ROANOKE ISLAND ARPT (MANTEO)-Ben inop. (10-4)

NORTH CAROLINA. ROCKY MOUNT-RADIO: Ctn - visual-aural rng unmonitored, unattended and should not be used for navigational purposes
**ROCKY MOUNT ARPT-24'' clear ben oper upon arrival of acft Rnwy lgts small portable elec lantern avail 15 min prior to landing See page 94 Ben temp inop. (7-28)
SEYMOUR-JOHNSON FLD (GOLDSBORO)-Use rnwys only-shoulders soft.
SMITH REYNOLDS ARPT (WINSTON-SALEM)-N/S rnwy lgts very dim. (7-15)
THOMASVILLE ARPT-Ctn-strip rolling. (3-25)
WEEKSVILLE NAF-LTA-Avail. HTA and LTA acft from 0800 to 1630, all other times by prior arrangement with the CO or Operations Office. (7-16)
WILMINGTON-RADIO: Ctn - visual-aural unmonitored, unattended and should not be used for navigational purposes.
North Dakota: BISMARCK-RADIO: 116.1 mc transmitter and rcvr temp inop. (6-18)
BISMARCK ARPT-Use rnwys only. Crash and fire fighting equip. avail 0800 to 1900 only. 12' bldg and trenching opers in vcnty SE end NW/SE rnwy, mrkd. (7-5)
JAMESTOWN-RADIO. Range inop. Unkeyed 1020 cycle signal being cont emitted on carrier freq 344 kcs, except during voice transmissions. (7-16)
JAMESTOWN ARPT-Ben and wind sock inop. Bndry and obst lgts will be in cont oper during hrs of darkness. (7-15)
PEMBINA INT, SITE 14A, FO-WG-Closed to acft over 5000 lbs. (7-5)
VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES-Entire fld avail. These data revd too late to delete ⓪ symbol.
OHIO. AKRON ARPT-Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg. on arvl and dptr. Ltd svcg facs only. (5-1)
AKRON-CANTON ARPT-CO. FLD (CANTON)-Use rnwys only. No down-wind taxiing on rnwys. Equip. on fld days. (5-7)
BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)
BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to N, W, and SW. (3-1)
BRYAN-DEFIANCE MEMORIAL ARPT (DEFIANCE)-NE/SW rnwy under const. 50 pot torches on E/W rnwy avail. for ngt landings on prior req. (2-26)
CEDAR LAWN ARPT (KENTON)-Use strips only. (6-26)
CHARDON ARPT-Use rnwys only. Soft in spring rainy season (5-13)
CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W,SW,S use right traffic pattern. Land with wind tee regardless of wind direction. (11-25)
CLEVELAND-RADIO. VHF omni-directional rng, lat 41-27-00, long. 81-58-17 shut down. (7-22)
CLEVELAND ARPT-Trans pilots must register in Terminal Bldg upon arvl and dptr. Landing fee on all civil multi-engine acft. (6-23)
CLINTON CO. AAF (WILMINGTON)-RADIO: Soon, courses of Army visual-aural rng will be realigned to: 04°,94°,184°,274°. (7-17) FLD: Rnwy lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC center upon entering or prior to dptr from ATC area. Inten inst training being conducted; for danger area outline see Chart Columbus 63. Balloon 6' diameter, 25' long will be hoisted to 25' MSL before during and after thunderstorms at approx lat 39-11-00, long. 83-47-00. (5-15)
**COLUMBUS-Flashing red ben flash. 40 times a min. comm July 25, 1947, atop Leveque-Lincoln Bldg, approx 8 mi WSW Port Columbus Arpt-560' above street level or 1320' MSL. (7-25)
DAYTON ARPT-Sod area W Rnwy 18-36 rough-use in emerg only. At ngt and during wet weather use rnwys only. Taxi strip on E side of fld between Rnwy 27 and Airline loading ramp rough. (7-16)
FAIRFIELD-RADIO: Army FM unreliable. (2-17)
**FINDLAY-Large caution area has been estab. approx 7 mi NE within the following described area: beginning at lat. 41-25-00, long. 83-25-00; SSW to lat. 41-07-00, long. 83-35-00; ESE to lat. 40-55-00, long. 82-30-00; NE to lat. 41-03-00, long. 82-26-00; NW to lat. 41-23-00, long. 82-45-00; W to point of Beginning.
GRIESER ARPT (WAUSEON)-Use strips only. (7-3)
GRIMES FLD (URBANA)-Use strips only. Land according to wind tee lctd in center of fld. (3-1)
LAKEVILLE ARPT (CONNEAUT)-Closed to heavy acft. Ctn in wet weather Use strips only. (3-27)
LAKEWOOD ARPK (CINCINNATI)-Right traffic E, left traffic W (2-23)

[redacted]: LANSDOWNE ARPT-Rough-land with ctn. Soft in wet weather. (5-13)
LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (12-30)
FLD: Equip. all rnwys 0800 to 1700 Mon to Sat. until Aug. 31. (6-4)
LORAIN SKYPORT-Trans acft avoid fld in wet weather. (5-13)
LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Rnwy 6-24 (3-28)
**MANSFIELD ARPT-Lat. 40-49-00, long. 82-30-15. (4-28). See page 48. Use rnwys, taxi strips only. Equip. on fld (const). Temp 25' pwr line erected along W side fld S of hangar line. (5-2)
MARION ARPT-Use only NE/SW, NW/SE strips W side fld. NE/SW, NW/SE strips extend into cultivated area W end fld. (6-4)
McKINLEY ARPT (CANTON)-80' twr NW corner fld. (4-28)
MEDINA PRICHARD ARPT (MEDINA)-E/W, NE/SW strips closed Land N-S in W portion of sodded fld. Watch where local acft land. (2-3)
MIDDLETOWN ARPT-Right traffic pattern taking off to S,SW and W.
NEWARK ARPT-Guyed derrick 240' above gnd 1/4 mi W on Pure Oil Refinery Property. Eight guy wires will fan out from top of structure. (7-3)
NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)
OHIO STATE UNIVERSTITY ARPT (COLUMBUS)-Const. Trans use rnwys only. (2-26)
PARKS WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E,NE,SE. (3-3)
★PATTERSON FLD (FAIRFIELD)-RADIO: Army rng coordinates: Lat. 39-46-33, long 84-04-54. (7-1) Army ILS (SCS-51) inop. (6-2) FLD: Equip. on fld. Line of telephone poles 50' high near appch Rnwy 34, lgtd. Rnwys 3-21, 7-25 closed; 16-34 only avail. (4-21)
PAULDING ARPT-Soft when wet, land at own discretion. (2-26)
**PERRY INT, SITE 4B, CV-AZ-Bcn, bndry, range, flood and obst lgts oper dusk to dawn. (4-30). See page 48.
**PIQUA ARPT-Port flood and landing strip lgts on prior req. (4-15). See page 50 Temp closed to all trans acft due to repair work on fld. (7-17)
PORT COLUMBUS NAS (COLUMBUS)-RADIO: Compass lctrs at middle and outer mrkr sites of CAA ILS will be comm soon. (7-11) FLD: Use rnwys only-grass areas rough. Glide path and neon approach lgts not operating pending removal of obsts in approach lane. 30' portable twr on Curtiss Wright taxi strip W side fld 800' from E/W rnwy and 800' from NW/SE rnwy until approx Oct. 7 between 0800 and 1700 No fuel for trans mil acft. (7-3)
RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)
REED'S FLD (WATERTOWN)-Acft use ctn in wet weather. (5-13)
SKY HAVEN ARPT (NORTHFIELD)-Ctn when wet. (2-24)
STOMBAUGH ARPT (BRYAN)-Ctn wet weather. Use rnwys only. (2-20)
STOUT FLD (NORTH KINGSVILLE)-E/W strip closed. (6-1)
TAYLORCRAFT ARPT (ALLIANCE)-No rdo. Left hand 800' pattern. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots rqrd to register in Opers Office upon arvl and prior to dptr. Exper and production test flying immediate vcnty. Land according to wind tee atop NE corner of hangar. Mobile gnd traffic crossing SE end NW/SE rnwy intermittently. Open to trans acft only. (6-23)
**TOLEDO-Large caution area has been estab. approx. 10 mi NE within the following described area: beginning at lat. 41-57-00, long. 83-32-00; SE to lat. 41-42-00; long 83-25-00; SE along the shore to lat. 41-38-00, long. 83-16-00; NW to lat. 41-46-00; long. 83-18-30; NE along the Michigan-Ohio State Line to lat. 41-49-00, long 83-10-00; NW to lat. 42-02-00, long. 83-20-00; SW to point of beginning.
TOLEDO-RADIO: Ctn - VHF omni-directional rng unmonitored. About Aug. 14, weather permitting, N course will be realigned from 174° to 168°. (7-31)
TOLEDO ARPT-Equip. on fld 1500' S intersection. Wind tee free swinging. All sod landings parallel to active rnwy. Maj const extending from E thru SW quad. Sod areas this section closed except for taxiing. Equip. on various sections during const, mrkd. (7-15)
VAN WERT ARPT-Unsafe heavy acft. Lgt acft land with ctn. Soft when wet. (5-1)
W[illegible]D ARPT (BEDFORD)-SW end NE/SW strip under const. Strips unusable during [illegible]ws. (3-2)
W[illegible]LLINGTON-RADIO: Ctn - visual-aural rng unmonitored.

[redacted]: WELLINGTON ARPT-Right traffic on S and SW rnwys. Const N end N/S rnwy Closed during thawing weather, (3-13)
WILLOUGHBY ARPT-New NW/SE strip under const. Use with ctn. (5-13)
WRIGHT FLD (DAYTON)-CLOSED TO ALL TRANS ACFT EXCEPT IN EMERG. All trans Army and Navy acft use Patterson Fld. (3-18)
YOUNGSTOWN-RADIO: Ctn - VHF omni-directional rng unmonitored
YOUNGSTOWN ARPT-Use rnwys only. Equip. on fld. (3-13)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded area. Tetrahedron ngts on req only. Hangar const NE portion fld approx 700' NW of NE/SW rnwy, unlgtd. (7-17)
[redacted]: ALTUS AAF-Avail. only for delivery surplus mil acft or in emerg. Equip on and near N/S rnwy. (3-17)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg only No fuel or svcg avail. trans acft-use Ardmore Arpt, Site 10, FV-WD. Inten ctc and inst train. in progress. Use rnwys only. (5-27)
CADDO FLYING SERVICE (FT. COBB)-Use with ctn when wet. (3-9)
CIMARRON FLD (YUKON)-Now a WAA Sales and Sto. Ctr. No svcg, repairs or overngt sto. Planes parked on fld. 4 strips indicated by pylons and mrkrs. Lime mrkings ctr of each strip. (3-17)
COUNTRY CLUB ARPT (OKLA. CITY)-Only N/S, NW/SE strips avail. (3-17)
DELHI ARPT-Wheat being stored in middle of rnwy. (7-22)
GAGE-RADIO: Auto. rng monitor. sys installed, awaiting flgt-check before comm.(7-10)
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
HATBOX FLD (MUSKOGEE)-Use rnwys only-parked acft.
IDABEL ARPT-Avoid S 1/3 N/S strip after heavy rains. (2-28)
LAWTON ARPT-Obst lgts inop. Bndry, flood lgts on req. (3-17)
MAX WESTHEIMER FLD (NORMAN)-Avail. all acft up to 30,000 lbs day only. Lcl traffic avoid flying over bldg area and corporate limits of Norman. (3-17)
NUCKOLS FLD (OKLA. CITY)-Use rnwys only. (1-14)
OKLAHOMA CITY-RADIO: Soon, rng and voice commun. will be shut down for modernization. (7-25)
POST FLD (FT. SILL)-All except liaison acft use rnwys. (7-18)
ROOSEVELT-RADIO: Ctn - visual-aural rng unmonitored. (4-10)
SHAWNEE ARPT-Use rnwys, taxi strips only. (3-17)
STILLWATER ARPT #1-325' twr Rdo Stn KSPI being erected 4 mi SSE (160° true)(2-20)
TINKER FLD (OKLA. CITY)-RADIO: Army rng unreliable, for homing only. (6-11) FLD: Use rnwys, taxiways only. Stored acft adj rnwys. W ramp congested. 6' obst N end N/S rnwy 100' off center. (6-11)
TULSA ARPT-RADIO: CAA ILS lclzr and glide path will be shut down Sept 8 until Sept. 12, for adjustment and installation. work. (7-18) FLD: Pilots without rdo watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only. (3-25)
★WILL ROGERS FLD (OKLA. CITY)-RADIO: Outer compass lctr comm at the outer ** mrkr site of CAA ILS. ILS flgt-checked. See pages 84,86. Outer mrkr not monitored. (7-22) FLD: Army split type rot. bcn decomm and replaced by standard type 36" green and white rot. bcn. (7-21) Bndry lgts inop-ctc lgts on rnwy in use will burn cont. ngts. All asphalt taxi strips clsd to DC-4 type acft.Use rnwys,taxi strips only.(4-9)
WOODRING FLD (ENID)-Use rnwys only. (8-5)
[redacted]: ★ASTORIA-RADIO: Effect Aug. 1, rng oper by Port of Astoria will be oper only when West Coast Airlines acft in vcnty and will be shut down at all other times except when prior arrangement made for its use. (7-17)
BAKER-RADIO: Rng flgt-checked July 30, courses correctly aligned
BAKER ARPT-Use rnwys only. (5-20)
BEND ARPT (old)-Usable in emerg. (5-2)
COASTWAY SCH OF AERONAUTICS (TILLAMOOK)-Right traffic W takeoffs & landings (3-17)
EUGENE-RADIO: VHF omni-directional rng shut-down for indef. period (7-26)
**EUGENE ARPT-Two 50' antenna poles erected approx 75' E of Admin. Bldg, obst lgtd. (6-24)
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade (6-5)
HOOD RIVER ARPT-Avail. lgt acft. Soft when wet. (3-13)

★[redacted] KLAMATH FALLS-RADIO: Adtnl VHF voice avail. on 111.1 mcs. (7-31) FLD: Rnwy lgts Rnwy 7-25 inop. (2-19)
LEXINGTON ARPT-Right traffic when landing to the E. (4-28)
MAHLON SWEET FLD (EUGENE)-Equip. on fld. Use rnwys only. (5-2)
★MEDFORD-RADIO: Adtnl VHF voice fac avail. on 111.1 mcs. (7-26) Following repairs, courses aligned by gnd-check only. (8-2)
MEDFORD ARPT-RADIO: AACS oper HF/DF stn temp suspended. (4-24). FLD: Use rnwys taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10mph. No bndry or flood lgts. No maintenance mil acft. (3-12).
NORTH BEND-RADIO:-MRLZ rng will be comm soon at lat 43-29-19,long 124-13-39,4.6 mi from North Bend Arpt,bear.167°.Freq. 356 kcs. Ident. "NBE". Courses: 77°,167°,257°, 347°. Rng will be operated only when West Coast Airlines acft in vcnty and will be shut down at all other times except when prior arrangement made for its use. West Coast Airlines Opers Office will guard 3105,6210 kcs between 0700 and 1800 PST daily. (8-1)
PENDLETON-High explosive demolition being conducted approx 30 mi NW within the following described area: beginning at a pt. 1 mi W of the Union Pacific RR crossing over the Umatilla river 4.5 mi SW of Hermiston, thence 5.25 mi N, thence 6.5 mi W, thence S to an intersection with the Union Pacific RR at a pt. 6.5 WNW of pt. of beginning.
PORTLAND-RADIO: VHF omni-directional rng comm for test purposes only, with no ident. Not flgt-checked, is unmonitored, and should not be used for navigational purposes. (6-29).
PORTLAND ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-24). FLD: Acft landing this fld must have workable 2-way rdo. Const on Airline ramps and N taxiways. NE taxi strip closed to traffic from ramp to end of Rnwy 20. (7-29)
★REDMOND-RADIO: Adtnl VHF voice avail. on 111.1 mcs. Rcvg fac 122.1 mcs comm Aug 5 These data rcvd too late for inclusion on data page and chart.
ROSEBURG INT. SITE 41A, SF-SA-Unlgtd 100' pole 1200' S, 300' E of bndry. (12-3)
SANTIAM JUNCTION FLIGHT STRIP (IDANHA)-Land to the E, take-off to W. (3-13)
SEASIDE ARPT-Right traffic S takeoffs and landings. (3-17)
SUTHERLIN SKY RANCH ARPT-CLOSED. (6-14)
THE DALLES ARPT-NE/SW rnwy unlgtd. (7-10)
TILLAMOOK NAS-Rot. bcn operates from sunset to sunrise and during IFR conditions. Ctn during low visibility. High terrain surrounds stn in all quadrants. (2-13)
TROUTDALE ARPT-Parked acft. (3-13)
TULANA ARPT (WORDEN)-Soft when wet. Pilots use at own risk. (5-2)
[redacted]: ALLEGHENY CO ARPT (PITTSBURGH)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-17) FLD: N/S rnwy closed. Equip. on fld, mrkd. Closed to non-rdo-equipped acft. Flash. ident. bcn inop. Exten repairs on all rnwys and taxi strips. (7-30).
ALLENTOWN-RADIO: Low freq rng flgt-checked July 29, courses correctly aligned.
ALLENTOWN-BWTHLEHEM ARPT-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9,14,18 inop. 150' twr Rdo Stn WSAN being erected 7 mi S (180° true). (3-20)
BARRETT ARPT (CANADENSIS)-CLOSED (const). (12-18)
BEAVER FALLS-Patterson Heights Arpt 1.5 mi S Beaver Falls is not under const, entirely avail. New fld, Beaver Falls Arpt closed-under const and soft. (3-30)
BETHLEHEM-EASTON ARPT (EASTON)-Right traffic when taking off to SW, W and NW. (1-2)
BLAIR CO. ARPT, SITE 24A, CO-PG (MARTINSBURG)-Use rnwys only. (4-8)
** BROOKVILLE-RADIO: MH fac now manned cont. (8-4). These data rcvd too late for inclusion on data page.
BUTLER-ALAMEDA ARPT (BUTLER)-Pilots avoid hospital area adj arpt. Use right traffic on W take-off. (3-14)
CARLISLE-RADIO: FM will be decomm concurrently with the comm of the New Kingston FM on the W course of Harrisburg rng.
CARLISLE ARPT-NW/SE strip under const. Use ENE/WSW strip only. (3-11)
CECIL-RADIO: Visual and aural FM signals reported in vcnty of Imperial, Pa. (6-15)
CHEMUNG VALLEY ARPT (ATHENS)-Right traffic when taking off or landing to the W and E. 500' Extension E end E/W strip under const. Soft when wet. (2-21)
[redacted]: CLEARFIELD ARPT-Right traffic when landing or taking off to the E, NE and SE. (4-3)
CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. Lgt acft may land in grass area immediately S of E/W rnwy-avoid area in wet weather. Pwr lines E. (3-10)
DALEVILLE ARPT-Right traffic used on S to SE take-off.
EMLENTON ARPT-CLOSED. (5-28)
GREATER PITTSBURGH ARPT (PITTSBURGH)-First 500' Rnwy 23 and first 600' Rnwy 14 closed. Ltd transportation. (6-2)
GREEN ACRES ARPT (BEAVER MEADOWS)-Strips soft when wet, use sodded area only. Const N/S rnwy. Use NW/SE, E/W, NE/SW strips. (2-21)
HARRISBURG-RADIO: Aug 8, New Kingston VHF fan mrkr will be comm. Lctd on the W course of Harrisburg rng at lat 40-13-49, long 77-04-44, 10.6 mi from rng. Ident. four dashes. Concurrently with the comm of New Kingston FM, the Carlisle FM will be decomm. (8-4)
HARRISBURG STATE ARPT-RADIO: Twr equipped to transmit on and; guard 121.9 mcs for
** mobile gnd traffic. (8-19) FLD:30-40 million candelpower ceilometer placed in oper by stn WBAS at N end of rnwy 2-20 oper cont. (7-28) Use rnwys only. (3-12)
JOHNSTOWN ARPT-Use rnwys only. Army Reserve Training Sundays. (5-10)
KAISER FLD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only . (3-13)
LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd-stay between red flags. Sinkhole extreme E end E/W strip-2 holes S end N/S strip, mrkd. (3-12)
LANSDALE ARPT-Right traffic when taking off to the E.(5-7)
MIFFLIN CO. ARPT (REEDSVILLE)-NW/SE strip under const. (5-21)
MILLARD ARPT (ANNVILLE)-Sod area soft-use strips only. (5-12)
MT. POCONO ARPT, SITE 21, BJ-LG-Ruts along extreme SE side NE/SW rnwy. Use ctn when taxiing this area. (3-24)
MT. UNION ARPT-Left traffic 600' pattern. Student training. Land according to wind tee S end fld. Wind sock atop hangar. In wet weather, use only rnwys, taxi strips. (3-13)
MUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familiar with fld and surrounding obst. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Arpt for ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. (7-7)
OLD STAR ARPT (LANGHORNE)-CLOSED-do not land. (8-1). These data rcvd too late for Ⓡ symbol.
OLMSTED FLD (MIDDLETOWN)-Ngt landings hazardous. Obsts adj fld. 81' high tension wires across approach zones Rnwys 29,14. Lgtd obsts between Rnwys 29,32, approx 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgtd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to B-29 opers. Use Rnwys 11,32 for ngt landings. Closed to P-80 oper except in emerg. (7-2).
PHILADELPHIA NORTHEAST ARPT-Use rnwys only. Trans pilots must register in Admin Bldg on arval and dptr. (5-16).
PHILADELPHIA SOUTHWEST ARPT-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (4-14) FLD: Closed to non-rdo-equipped acft except in emerg. Const on fld. Use rnwys only. Use ctn in taxiing. Unlgtd poles approx 20' high across approach to Rnwy 9 approx 1200' W of approach end of rnwy. Other unlgtd poles 45' high in const area W and NW of arpt-clear of approaches. Equip. immediate vcnty of ILS glide path fac days. (7-4)
★PITTSBURGH-RADIO: D/F stn rcvs on the following freqs: 3105,4122.5,4495,4937.5,5572.5 5812.5, 5897.5, 6210 kcs. All data are relayed thru Pittsburgh Commun Stn. Cont oper but bearings on req only. Pilot calls Pittsburgh Rdo and requests DF assistance. Acft communicator will then advise pilot of mag. bear. towards the stn and intervals for making calls. (7-3)
PITTSBURGH-BETTIS ARPT-Right traffic on NE and NW rnwys. (3-14)
PITTSBURGH-BUTLER ARPT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (3-14)
QUAKERTOWN ARPT-Exten training 5 mi radius. (6-9)
READING ARPT-Ridges S and E within 4 mi of fld up to 1200' MSL. Equip. on fld days. (6-20).
STAR VALLEY ARPK (CHARLEROI)-Equip on fld intermittently. Ctn in wet weather.(4-1)
SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings.(4-8).

••[redacted] THOMASVILLE ARPT (YORK)-Formerly carried as York Arpt. (5-13) See page 46.
VALLEY FORGE AIRPORT (NORRISTOWN)-E, W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (3-13)
WEST CHESTER ARPT-Strips under const. Right traffic on W and N take-offs. (6-3)
WILKES-BARRE-SCRANTON ARPT-Use rnwys only. (6-4)
WILKES-BARRE-WYOMING VALLEY ARPT-Use rnwys only. Closed ngts. Bndry and obst lgts avail. in emerg or by prior req. 380' rdo twr being erected 7 mi S (170° true). (5-2)
WILLIAMSPORT ARPT-Closed ngts. Rnwy lgts avail. for emerg landings or by prior req. Const S side fld, mrkd. (5-23)
WILLOW GROVE NAS-Closed from official sunset to 0800. (3-14)
WINGS FLD (AMBLER)-Being seeded. Equip. on fld. (3-26)
[redacted]: BERKELEY ARPT-Right traffic for landings and take-offs to the S. (6-23)
CHARLESTOWN NAAS-Closed 1800 to 0700. Flgts desiring landings during closed hrs must notify stn 1 hr prior ETA. Rnwy 4-22 avail. in emerg. Rnwy 12-30 closed-resurfacing. Parking space for overngt acft not avail. Positive two-way commun with twr necessary for all landing acft. Use extreme ctn. (7-15)
GREENE ARPT (PROVIDENCE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (6-7) FLD: Soft spot on turf area S of rnwy intersection, mrkd. During daylgt hrs arpt rstd to acft equipped with at least a functioning 200 to 400 kc rcvr. During hrs of darkness rstd to acft with functioning 2-way rdo. (5-8)
PROVIDENCE-RADIO: Ctn-visual-aural rng unmonitored. (5-21)
[redacted]: AIKEN MUN. ARPT-Race track shown within arpt symbol on Savannah Chart. This has confused inexperienced students flying from other flds who have attempted to land on the race track-ctn. (6-25)
CHARLESTON ARPT-Approach lgt lane operated when conditions of 1000' ceiling or less and/ or visibility of 3 mi or less exists and on req. (8-4)
CLARK FLD (CHARLESTON)-Strips rough. (4-28)
COLUMBIA MUN. ARPT-Use rnwys only. Req pilots avoid pivoting acft on NW end NW/SE rnwy. Small acft parked on ramp front Admin Bldg, mrkd. (7-18)
CONGAREE FLD (COLUMBIA)-NG svcg not yet avail. (3-25)
••FLORENCE ARPT-350' twr of Rdo Stn WJMX erected 5 mi NW (304° true) at lat 34-13-40, long 79-47-58, lgtd. (6-30) Closed ngts (bcn, rnwy, obst lgts inop). (6-30)
GEORGETOWN CO. ARPT-Bcn inop. (4-28)
GREENVILLE AAB-RADIO: Army emerg bcn transmitting homing signal on 1742 kcs. Transmits voice on 4495, 4220 kcs; rcvs on 4495, 4220, 272 kcs. Operates on req to gnd/air stn or twr. (7-30) FLD: Occasional heavy glider traffic. Maintenance 0830 to 1700 only. (7-25).
JENNINGS ARPT (ORANGEBURG)-115' unlgtd derrick 3/4 N. (3-21)
LEXINGTON CO. ARPT (COLUMBIA)-RADIO: Twr inop. (7-10) FLD: Bndry lgts oper
•• only on req and during periods of adverse conditions. (7-26) Control of air traffic discont. (7-26)
MYRTLE BEACH-RADIO: Ctn-visual-aural rng unmonitored, unattended and should not be used for navigational purposes.
MYRTLE BEACH AAF-Inst Training at 1000' and 5000' alts 50 mi radius during IFR. No fuel avail. trans acft except in emerg or on off. bus. with written orders. Trans acft on off. bus. will be given enough fuel to reach first stn between Myrtle Beach and destination (7-31)
PARKS ARPK (MYRTLE BEACH)-Inadequate drainage. Do not land after moderate rain. (8-1)
PARRIS ISLAND MCAS-Use in emerg only (caretaker status-no facs).
★SPARTANBURG MUN ARPT-RADIO: Correct twr freq 317 kcs. This corrects AIRGI Vol. 2, No. 9. (7-26) FLD: Use rnwys, taxi strips only. (5-1)
WOODWARD FLD (CAMDEN)-Use rnwys, taxi strips only-fld tie-downs in this area. No facs for closing flight plans other than fone. Flight plans should be closed with Shaw Fld twr before landing. Closed ngts. (4-28)
[redacted]: ANDERSON ARPT (MITCHELL)-Areas off rnwys soft in wet weather. (3-27)
BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond [redacted] intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (3-27)
BIEDENFELT FLD (FAULKTON)-Hay stacks on fld. Use strips only. (3-27)
••BLACK HILLS ARPT (SPEARFISH)-200' twr of Rdo Stn KDSJ erected 8.5 SE (140° true) at lat 44-22-56.6, long 103-59-44. Alt ground level 4650'. Obst lgtd, type A-3 lgting, flash. 32 times per min. (7-8)
BROOKINGS ARPT-W portion fld soft in wet weather, bal fld usable with ctn. (3-27)
GERONIMO ARPT-Rough and dangerous-unattended. (5-20)
HURON ARPT-Closed to acft exceeding 25,500 lbs. Use black-top rnwys only. Stakes on grass areas. (6-4)
★RAPID CITY AAB-RADIO: Army gnd/air stn WXER now operating on 11,445 kcs CW, in addition to other freqs previously published. (7-26) FLD: Equip. 300' S of E/W rnwy to 700' W of N/S rnwy; equip. lgtd. E/W rnwy closed. (6-4)
SIOUX FALLS MUN APRT-Use rnwys only. Tetrahedron rmvd. Infld rough 100' E of center of NE/SW rnwy, mrkd. (4-8)
[redacted]: BERRY FLD (NASHVILLE)-RADIO: CAA ILS operating without voice. FLD: Use rnwys only-rnwy, taxiway shoulders soft. (1-13)
CHATTANOOGA ARPT-LOVELL FLD-Intermittent dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (2-27)
CORNELIA FORT ARPK (NASHVILLE)-Landings and take-offs to S use left traffic, to N right traffic. All approaches must be 180° side from 800'. (5-7)
••COVINGTON-Large caution area has been estab. approx 2 mi S within the following described area: beginning at lat 35-33-30, long 89-38-40; SE to lat 35-28-00, long 89-24-00; SW to lat 35-24-40, long 89-32-00; SSW to lat 35-16-00, long 89-46-00; NNE to pt of beginning.
CUMBERLAND FLD (NASHVILLE)-Strips under const.
DYERSBURG-RADIO: Ctn-visual-aural rng unmonitored, unattended and should not be used for navigational purposes.
JACKS CREEK RADIO: Stn lctn mrkr inop. (7-10)
KINGSTON-RADIO: July 10, FM on W course of Knoxville rng shut down until about Aug 10, for relctn to lat 35-47-30, long 84-36-25. (7-30)
LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)
LENOIR, BCN SITE 13, NA-WA-Will be discont soon and relctd to approx center line of airway Chattanooga chart. (7-17)
••McGHEE-TYSON ARPT (KNOXVILLE)-Rdo Stn WIBK erected 12 mi N (360° true) at lat 35-58-50, long 83-59-12, lgtd. (6-27) S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. Approach lgt lane operated when conditions of 1000' ceiling or less and/or visibility of 3 mi or less exists and on req. (8-4)
McKELLAR ARPT (JACKSON)-Use rnwys only -parked acft.
MEMPHIS-Scheduled night training flights will be conducted in vicinity by trainer type acft Thursdays 1930C to 2230C until further notice. This activity has not yet been cleared with the Airspace Subcommittee.
MEMPHIS ARPT-RADIO: Outer compass lctr of CAA ILS temp inop. (7-24) FLD: Fld badly eroded. Use rnwys only-shoulders soft. Equip on fld. Avail. private acft equipped with fully operating 2-way rdo. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft nd permitted. Ltd facs. JP-1 fuel avail. only. Traffic will be controlled from twr on N side of fld when wind velocity is 40 mph or less. During periods when wind velocity is in excess of 40 mph, twr and approach control will not be operative on N side fld. At such times, traffic will be controlled by lgt gun from old twr atop terminal bldg S side fld. (7-29)
MEMPHIS FLYING SERVICE-Right traffic N take-offs and landings; left traffic S take-offs and landings. NE/SW, E/W rnwys closed. (2-24)
MEMPHIS NAS-Prior notification rqrd for landings between off. sunset and 0730 except in emerg. Flight plans should be addressed to "MEMPHIS NAVY". Exten flight opers in 15 mi radius. Traffic left at 1000'. Red rot. bcn indicates IFR. Unsafe for acft over 27,000 lbs. Equip. on all rnwys. (7-17)
OUTLAW FLD (CLARKSVILLE)-Avoid bare spots on NE/SW, NW/SE strips during rains and after thaws. Use grass spots only. (1-13)
SMYRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (3-7) FLD: Temp inactive - no facs. (6-8).
STEWART FLD (UNION CITY)-Use rnwys only-parked acft.
TRI CITY APRT (BRISTOL)-RADIO: CAA twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only-rough. Soft when wet. (4-8).

TEXAS: ABILENE-RADIO: Stn guards 3117.5 kcs 2300 to 0700.
ABILENE AIR TERMINAL-E/W rnwy avail. only on permission of control twr (3-13)
ALICE ARPT-Rnwy lgts not visible on final approach. Lgts obscured from air by grass and vegetation. Bcn inop. (6-16)
ANDERSON FLD (EL PASO)-RADIO: Soon CAA ILS lclzr and glide path will be shut down for adjustments and installation work. (7-29)
ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use rnwys only. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (3-17)
ARLINGTON (MIDWAY) ARPT-NE/SW rnwy unsafe-NW/SE rnwy usable with ctn. Rnwy lgts inop. (3-17)
ASHERTON ARPT-High brush-use strips with ctn. (3-17)
ATLANTA MUN. ARPT-Cattle on fld. (11-15)
AUSTIN-RADIO: About Aug 12, the Lake Travis bone-shaped approach control FM will be comm on the NW course, 8.9 mi, bear. 297°. Will be lctd at lat 30-24, long. 97-51-07. Ident. four dashes. Stn gds 3117.5 kcs 2300 to 0700.
AVENGER FLD (SWEETWATER)-Use rnwys only. (3-21)
BERGSTROM FLD (AUSTIN)-NE/SW, NW/SE rnwys closed. (4-23)
BIGGS FLD (EL PASO)-See notice under White Sands Proving Ground, N.M. (12-26)
BIG SPRING-RADIO: Stn gds 3117.5 kcs 2300 to 0700. (2-27). Auto. rng monitor. sys installed, but not comm.
BROWNSVILLE-RADIO: Commun stn guards 3117.5 kcs during hrs 2400 to 0800. (2-23)
BRUCE FLD (BALLINGER)-Holes in fld-use rnwys only. (3-17)
**CAMP HOOD-Large danger area in vicinity has been revised to the following boundaries: beginning at lat 31-24-00, long. 97-37-45; S to lat 31-07-15; W to long. 97-45-00; S to lat 31-00-00; W to long. 97-54-00; N to lat 31-24-00; E to the point of beginning.
CAMP HOOD LANDING FLD (KILLEEN)-Ngt opers on previous arrangement. Right traffic to N, left to S overhead approach. Equip. near NW/SE rnwy. (1-8)
CHILDRESS-RADIO: Ctn-visual-aural rng unmonitored. (4-10)
CLEBURNE NORTHWEST ARPT-250' twr rdo stn KCLE being erected 1.5 mi NNE (28° true). (2-3)
CLEVELAND-RADIO: Ctn-visual-aural rng unmonitored. (4-23)
CLIFF MAUS FLD (CORPUS CHRISTI)-Use rnwys only. Farming opers in progress 200' E of N/S rnwy and 200' S of E/W rnwy. All acft must have 2-way rdo. (7-30)
COMMERCIAL ARPT (EDINBURG)-Two 250' twrs being erected 2 mi W (273° true). Rdo Stn KCBD erecting three 315' twrs 2.5 mi SE (123° true). (3-24)
CORPUS CHRISTI-RADIO: Commun stn gds 3117.5 kcs between hrs 2300 to 0700. (2-25)
**CUDDIHY FLD (CORPUS CHRISTI)-RADIO: Mun. twr comm. Oper 1230 to 2130 daily except Weds. Lgt gun oper only. (5-23). FLD: Const of 110' oil derrick 0.5 mi ESE completed and obst lgtd. (6-29) Traffic left 600'. Bndry, obst, rnwy lgts and tetrahedron avail. sunset to 2300 only. Use rnwys only-farming opers. (6-16)
CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings to be made within orange cone bndrys. (3-12)
DALLAS-Extensive night flying by small aircraft up to 1000 ft in vicinity of Hudson Arpt (approx 8 mi NE Love Arpt). This activity has not yet been cleared with the Airspace Subcommittee.
DENTON ARPT-Use N/S rnwy only. (2-21)
DIMMIT COUNTY ARPT (CARRIZO SPRINGS)-Use in emerg only-const. (2-24)
DRAUGHON-MILLER ARPT (TEMPLE)-Use rnwys, taxi strips only. (2-4)
EAST SIDE ARPT (LONGVIEW)-320' rdo twr being erected 3 mi SSW (196° true). (2-25)
ECTOR CO. ARPT (ODESSA)-CLOSED. (7-20)
EGYPT, BCN SITE 13, ZN-HU-Temp inop. (5-12)
ELDORADO ARPT-E/W strip soft in wet weather. (3-17)
ELLINGTON FLD (HOUSTON)-Closed to VHB acft except in emerg. Exten reserve training daily until 1900 Tues and Weds until 2200 under CFR. (6-3)
ENGLISH FLD (AMARILLO)-RADIO: Sept 2, CAA ILS lclzr and glide path will be shut down until approx Sept 6, for adjustments and installation work. (7-18) CAA twr equipped to transmit on and guard 121.9 mcs for mobile ground traffic. (4-18) FLD: Use rnwys, taxi strips only. (3-1) 175' tank being erected 6 mi WSW (255° true). 250' derrick being used during const, lgtd. (4-5)

[redacted]: FAIRCHILDS, BCN SITE 16, ZN-HU-Temp inop. (5-12)
FLORESVILLE, BCN SITE 2, ZN-HU-Temp inop. (5-12)
FORT WORTH AAF-40' trees immediate end Rnwy 35L. (6-12)
FORT WORTH SEAPLANE BASE-Proximity to AAF calls for the use of discretion in circling the Seaplane Base. Traffic patterns are all away from the AAF. Ramps and beaching dollies under const. (1-8)
GARWOOD, BCN SITE 11, ZN-HU-Temp inop. (5-12)
GASKIN FLD (SHERMAN)-Cattle on rnwys-emerg landings only. (3-24)
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (3-17)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT. (4-8)
GREGG CO. ARPT (LONGVIEW)-NE/SW rnwy unlgtd. (7-15)
GUTHRIE-RADIO: Ctn-visual-aural rng unmonitored. (4-10)
HALLETTSVILLE, BCN SITE 8, ZN-HU-Temp inop. (5-12)
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. Const on rnwys. (4-1).
HICKS FLD (FT. WORTH)-Use strips only-parked acft. (1-2)
HIGHLAND PARK ARPT (DALLAS)-E/W rnwy suitable for lgt plane landing days only. Use rnwys during rainy weather. (1-28)
HOUSTON-RADIO: Auto. rng monitor. device shutdown. Too late for ⓞ symbol.
HOUSTON ARPT-RADIO: Outer mrkr of CAA ILS shut down for installation of compass lctrs. About July 30, ILS lclzr and glide path will be shut down for installation work and adjustments. (7-17) FLD: Use rnwys, taxi strips-ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip. on fld. (4-22)
INTERNATIONAL ARPT (BROWNSVILLE)-RADIO: Compass lctr to be comm about Aug 7 at outer mrkr site of CAA ILS. Aug 5, CAA ILS lclzr and glide path will be shut down until approx Aug 9 for adjustment and installation work. (7-17) FLD: Rnwy 4-22 closed. Use rnwys, taxi strips only. Civil acft may be cleared thru this arpt for foreign flights. Army acft use Kelly Fld. Obst lgts atop 90' antenna poles 3 mi N inop. 180' rdo twr being erected 3 mi SSE (158° true). Six 40' antenna poles 1/4 mi S and 500 yds E of W side fld, lgtd. (6-5)
JEFFERSON CO. ARPT (BEAUMONT)-Rnwy ctc lgts operated on req only. Reqs should be made thru arpt manager or Beaumont Rdo. (6-10)
JOAQUIN-RADIO: Ctn-visual-aural rng unmonitored. (4-10)
JUNCTION-RADIO: Ctn-visual-aural rng unmonitored.
KELLY FLD (SAN ANTONIO)-RADIO: AACS oper HF/DF stn temp suspended. (4-24)
FLD: Acft on fld. Use rnwys only. 190' lgtd twr const W of Rnwy 14-32. 150' water twr under const 1-1/2 mi SE, not lgtd. (4-16)
KENDLETON, BCN SITE 14, ZN-HU-Temp inop. (5-12)
LAREDO-RADIO: Stn lctn mrkr oper erratic. (6-18)
LAREDO MUN. ARPT-Flight opers from old terminal S end fld discont. Fence const across taxiway leading to bldg. Fence lctd approx 600' E of W end Rnwy 35R and in direct line with regular fence at S end fld. This section no longer included in arpt area. All opers being conducted from new terminal W side fld. Tetrahedron free swinging and will be lgtd upon rdo req. (6-11)
LONE OAK, BCN SITE 5, DL-LV-Temp discont. (9-18)
LOVE FLD (DALLAS)-RADIO: Aug 14, CAA ILS lclzr and glide path will be shut down until approx Aug 18 for adjustments and installation work. (7-18)
MAJORS FLD (GREENVILLE)-All lgts temp inop. (1-3)
MARSHALL ARPT-304' twr being erected 3 mi NW (317° true), lgtd. (2-11)
**MEACHAM FLD (FT. WORTH)-RADIO: Aug 20, CAA ILS glide path and lclzr will be shut down until approx Aug 24 for adjustments and installation work. (7-18) Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-7) FLD: 260' twr of Rdo Stn KWBC 4 mi ESE (115° true), obst lgtd. 285' twr of Rdo Stn KCNC erected 5 mi SE (135° true), obst lgtd. (7-30) In wet weather use rnwys, taxi strips only. Grain elevator 967' MSL, 9100' N of N end N/S rnwy on extended centerline directly on lclzr course. Discontinuance of approach lgt lane on N end N/S rnwy postponed. (7-30)
★MIDLAND ARPT NO. 2-RADIO: Army twr decomm. (7-28)
MONTGOMERY CO. ARPK (CONROE)-Avail. only a cft equipped with landing lgts. (3-17)
NIXON, BCN SITE 4, ZN-HU-Temp inop. (5-12)
ORANGE ARPT-Use NW/SE, E/W strips only. Fld flooded after rains. (3-17)

[redacted]: PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (3-17)
PILGRIM, BCN SITE 5, ZN-HU-Temp inop. (5-12)
**PORT LAVACA BCN SITE 6, CR-HU-New site located 9 mi SSW at lat 28-28-01, long. 96-41-11, equipped with 24" clear bcn and red course lgts flash. char (- . -). Old site 6 CR-HU discontinued. (7-30)
POUNDS FLD (TYLER)-Use rnwys only, bal fld rough and unsafe. (2-21)
PYOTE AAF-Rnwys 18-36,7-25 closed. Ltd maintenance, svcg. No maintenance 1700 to 0800 daily or 1700 Fri to 0800 Mon. (7-22)
RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld. Rnwy 1-19 unsafe for acft over 10,000 lbs. (6-5)
RAYMONDVILLE INT, SITE 5, JI-FV-Rough. (3-3)
★ROBERT MUELLER ARPT (AUSTIN)-RADIO: July 26, CAA ILS figt-checked and comm with voice equipped lclzr serving NW/SE rnwy with approach from SE. Transmitter lctd 900' NW of NW end NW/SE rnwy on rnwy centerline extended. Approach bear. 305°. Glide path transmitter 400' NE of rnwy centerline and 750' NW of the SE end of the NW/SE rnwy See page 124. FLD: Acft landing or taking-off on Rnwy 34R use right traffic pattern. Acft landing or taking-off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. E/W taxi strip NW section fld closed. (5-2)
RUSK CO. ARPT (HENDERSON)-Use rnwys and taxi strips only. (1-30)
SALTILLO, BCN SITE 9, DL-LV-Temp discont. (9-18)
**SAN ANTONIO-Large caution area approx 6 mi E has been redefined within the following described area: beginning at the town of Lockhart at lat 29-53-00, long. 97-41-30; S to the town of Leesville at lat 29-24-00, long. 97-44-00; W to the town of La Vernia at lat 29-21-30, long. 98-06-30; W to lat 29-25-00; long. 98-24-00; N to lat 29-29-00, long. 98-23-40; thence counterclockwise along the arc of a circle with a radius of 1 mi centered at lat 29-30-10, long. 98-23-15, to lat 29-31-00, long. 98-23-20; NE to the town of Kyle at lat 29-59-00, long 97-52-30; ESE to point of beginning.
SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio A.T.C. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or San Antonio Range Stn and adhere to instructions issued by San Antonio A.T.C. Acft outbound from Randolph Fld adhere to instructions issued through Randolph Tower.
SAN ANTONIO ARPT-ALAMO FLD-RADIO: Aug 11, CAA ILS lclzr and glide path will be shut down until approx Aug 15 for adjustments and installation work. (7-17) FLD: Acft arriving after dark rqrd to have 2-way rdo. (2-27)
SAN BENITO, INT, SITE 2, JI-FV-Unlgtd hangar 200' NE bcn twr. (1-22)
SAN MARCOS AAF-Ctn-helicopter and liaison pilot training. (10-15)
SHEPPARD/KELL MUN. ARPT (WICHITA FALLS)-Unlgtd N/S rnwy on W side fld rstd to acft of 450 HP or less. Left traffic on all rnwys, entering at 45° down-wind leg at 800'. (5-28)
SIERRA BLANCA-RADIO: Ctn-visual-aural rng unmonitored, no control facs and without means of remote control. (7-13)
SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible from twr due to parked acft. Stn sto acft rcvd only between 0800 and 1630 Mon thru Fri. Ltd transportation, no housing messing facs. Closed to all acft except on off. bus. or emerg. (6-23)
STINSON FLD (SAN ANTONIO)-Right traffic Rnwys 9,14,17,22. Left traffic on all other rnwys. Traffic 600' above terrain 1167' MSL. Fld and lighting facs in oper until 2230. Rnwy lgts on demand after 2230. Acft entering Stinson Fld control zone after dark shall be equipped with 2-way rdo. (5-11)
T.C.U. ARPT (FORT WORTH)-Use E/W strip in wet weather. (2-21)
TERRELL, BCN SITE 6, FV-AG-Temp discont. (9-18)
TEXARKANA-Demolition operations are being conducted approx 15 mi SW Texarkana Arpt, 0800 - 1615 daily except Sat and Sun. All acft cautioned to fly above 1500' over this area.
TEXARKANA ARPT-400' unlgtd twr Rdo Stn KCMC being erected 4.5 mi WSW (250° true) (4-22)
VICTORY FLD (VERNON)-Use rnwys only-parked acft. Avail. days only. (12-30)
VIENNA, BCN SITE 10, ZN-HU-Temp inop. (5-12)
**WACO ARPT-7 mi NNE. Closed to all traffic, not maintained. Cattle on fld. (7-31). See [redacted]: page 108.
WHITE FLD (BRADY)-CLOSED. (8-7)
WHITE ROCK ARPT (DALLAS)-520' twr Rdo Stn KIXL-FM being erected 2.2 mi SW (232° true). (6-9)
**WINK ARPT-Rnwy ctc lgts on Rnwys NW/SE, NE/SW, operate on call. (7-30). See pages 106,120. N/S rnwy lgts inop. (7-30)
WOLFE CITY ARPT-Use in emerg only. (2-25)
YATES-RADIO: Soon, MHW fac will be comm on N course of Alamo Rng, 3.36 mi N of rng stn at lat 29-37-42, long. 98-27-48. Freq. 245 kcs, ident. "O". (7-17)
[redacted]: DELTA ARPT-Trans acft use rnwys, taxi strips only. (4-8)
ENTERPRISE INT, SITE 39, LA-SL-CLOSED (rough, soft). (5-29)
HANKSVILLE INT, SITE 54, LA-DV-35' unlgtd pole line 600' S of E portion E/W rnwy. (5-10)
HURRICANE ARPT-Soft when wet. (4-3)
LUCIN INT, SITE 52, SF-SL-Avoid first 1500' E end E/W strip-loose dirt. (8-2). These data rcvd too late for ⓞ symbol.
★MILFORD-RADIO: July 26, CAA Commun Stn moved to new quarters at Milford Arpt. Stn class: BMRLZ-DTV.
MILFORD ARPT, SITE 45, LA-SL-Unlgtd bldgs SE corner fld S of and adj to bcn twr. Bndry lgts temp discont. Course lgts changed to clear. Dirt areas soft. Three 25' poles erected N side of new const on E side fld. (7-8)
**PROVO ARPT-Bcn and rnwy lgts oper sunset to sunrise. (7-28). See page 20. Equip. on ends of rnwys intermittently. (7-28)
ROBERT H. HINCKLEY FLD (OGDEN)-NE/SW rnwy lgts inop. N/S rnwy lgts oper cont during hrs of darkness when twr inop. Equip. E side fld days. (5-21)
SALT LAKE ARPT NO. 2-Use rnwys, taxiways only-shoulders soft. Closed to ngt opers. (4-20)
SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail. (5-3)
SALT LAKE CITY ARPT NO. 1-Use rnwys, taxi strips only during wet weather account shoulders soft. Right traffic when winds are from S, SE, E. Prevailing wind rnwy lgts operating ngts. (6-18)
**THOMPSON, BCN SITE 60, LA-DV-Comm July 28, 1947, 8 mi SW of Thompson, Utah at lat 38-53-45, long. 109-48-30. Elev 4774', is clear 6 RPM bcn and red course lgts flash. char dash dash. (7-28)
WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E, in the Low Flight Strip Area, from 0800 to 1800. See chart 23.
WENDOVER FLD-Obst lgts on mtns N and W of fld inop. No JP-1 or 73 oct avail. (7-23)
[redacted]: BARRE MONTPELIER ARPT-Use rnwys only. (12-31)
BURLINGTON ARPT-Use rnwys only. Parked acft N side E/W taxi strip. (4-3)
LEMMINGTON-COLEBROOK ARPT-Avail. emerg landings only. (5-13)
[redacted]: ALBERTA ARPT-ENE/WSW, NNW/SSE strips rough. Ends and sides mrkd by 12' yellow mrkrs. (5-21)
ALEXANDRIA ARPT-NW/SE rnwy lgtd until 2100 every ngt for 1000'. Approx 1500' of AGA reflectors extending beyond the lgts. (5-28)
ALTAVISTA ARPT-200' NE end of fld unusable in wet weather. (2-4)
BLACKSTONE-RADIO: At intermittent periods, reception on high freqs unreliable (hvy lcl interference). (7-2)
BLACKSTONE ARPT-Unlgtd wind sock installed near inop tetrahedron. NE/SW rnwy avail. full length and 250' wide from NW side of NE/SW rnwy. 5 and 7" rises of concrete 24' wide at seams on SE side NE/SW rnwy, mrkd. 5" rise lctd 450' NE and 7" rise lctd 75' SW of intersection NE/SW and NW/SE rnwys. (8-1)
BYRD FLD (RICHMOND)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (7-16). Middle and outer mrkrs of CAA ILS temp inop pending relctn, concurrently with this relctn, compass lctrs will be installed. Lclzr will remain in oper. (6-9) FLD: Ltd Army svcg facs. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft. Oper of acft during hrs of darkness rstd to acft equipped with functioning 2-way standard rdo. During daylgt hrs acft shall be equipped with at least functioning rdo rcvr unless exceptions granted by CAA arpt traffic control twr or in emerg. (7-16)

VIRGINIA: CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (1-2)
CHINCOTEAGUE NAAS-Closed 1700 to 0800 except on req with 2 hrs notice. Bcn operates all ngt except during local ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. IFR flight plans accepted only 0800 to 1630 Mon thru Fri except on holidays and on 2 hrs notice. Fld lighting sys under repair-unreliable. Use rnwys, taxi strips only-soft shoulders and trenches along sides of rnwys and taxi strips. Pilotless rdo-controlled acft operating days Mon thru Fri. Other acft in vcnty proceed with ctn. Rnwy 10-28 closed. Equip. on fld. (7-11)
DAHLGREN NAF PROVING GROUNDS-CLOSED TO ALL (INCLUDING TRANS MIL) ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Except in emerg or on req (with two hrs notice) fld open only 0730 to 1615 Mon thru Fri inclusive. Off. flights must be cleared thru one of the following: NAS Anacostia, D.C; NAS Patuxent River, Md.; NAS Norfolk, Va. NAS Quonset Point, R.I.; Cape May CGAS, N.J.; Inyokern NAF, Calif.; NAF Torpedo Stn, Newport, R.I.; Naval Acft Factory Philadelphia, Pa.; Cherry Point MCAS, N.C.; Quantico MCAS, Va.; AAF Proving Gnds, Eglin Fld, Valpariso, Fla.; Langley Fld, Va.; Wright Fld Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md.; Lakehurst NAS, N.J. (3-10)
DANVILLE-RADIO: 116.1 mc transmitter and rcvr temp inop. Too late for (1) symbol. (8-4)
DANVILLE ARPT-Rnwy lgts will be operated by INSAC personnel 0800 to 2400. From 2400 to 0800 lgts will be unattended and rnwy nearest in line with wind direction at 2400 will be lgtd. Grassy plots soft when wet, rough when dry. Use only hard surfaced rnwys and taxi strips. Tetrahedron free swinging. (5-26)
EMPORIA ARPT-Fixed tee, wind sock E side fld indicating rnwy in use. (12-28)
**GREAT MACHIPONGO INLET-Large over-water bombing, gunnery, ordinance test and research range has been estab within the following described area: beginning at lat 37-56-45, long. 75-27-30; SE to lat 37-28-00, long. 74-30-00; S to lat 37-00-00; W to long. 75-30-00; N to lat 37-15-00; W to long. 75-47-00; NE to lat 37-35-00, long. 75-35-30; W to long. 75-37-00; NNE to lat 37-45-00, long. 75-32-30; N to lat 37-51-00; NE to point of beginning.
HARCUM ARPT-Use NE/SW strip only between yellow cone mrkrs. (3-31)
HERMITAGE ARPT (RICHMOND)-Right traffic pattern on take-offs and landings in S and SW direction. (7-16)
HOPEWELL ARPT-NE/SW and NW/SE strips under const. (3-21)
LANGLEY FLD-RADIO: AACS oper HF/DF stn temp suspended. (4-24) FLD: Rnwy 2-20 closed. Rnwy 12-30 closed to all 4-engine acft. No svcg for jet type acft avail. except in extreme emerg. No svcg to trans acft except on written orders, opers orders not acceptable-critical fuel shortage. (7-26)
LOVING FLD, SITE 35A, NA-WA (PULASKI)-Observe right traffic for landings from SW on NE/SW rnwy. (4-4)
LYNCHBURG-RADIO: At intermittent periods especially during dry weather rcvg watches on high freqs impaired by pwr noises. (6-17)
MT. VERNON-See Special Notice under District of Columbia.
NORFOLK-RADIO: Ctn-visual-aural rng shut down for indefinite period. (5-8)
NORFOLK ARPT-Const SW end of fld. Tetrahedron unlgtd and uncontrollable. Expect repairs to be completed late in Aug. (7-17)
NORFOLK NAS-EAST FLD-Pilots on S-bound coastal flights inbound IFR between 0700-2400 to NAS Norfolk shall establish rdo ctc with Navy Chincoteague Rdo for further clearance instructions from ATC Norfolk. Pilots on N-bound coastal flights inbound IFR between 0700-1900 to NAS Norfolk shall establish ctc with Navy Weeksville Rdo for further clearance instructions from ATC Norfolk. Pilots on either S-bound or N-bound coastal flights inbound IFR to NAS Norfolk at other than the above stated hrs ctc Norfolk Rdo or Navy Norfolk Twrearliest possible for further clearance instructions. (3-18)
OCEANA NAAS-Facs avail. 0730 to 1600 Mon thru Fri. Ltd facs avail. 1600 to sunset Mon thru Fri and 0730 to sunset Sat and Sun. for essential military flgts only. After sunset emerg landings only. Fld lighting sys under const-unreliable. Soft shoulders and trenches along sides of rnwys and taxi strips. Equip. on fld. (7-8)
ORANGE CO. ARPT-Strips muddy in wet weather. (4-4)
PENINSULA ARPT (HAMPTON)-Right traffic whenever wind conditions require take-offs and landing toward SW (Newport News). Left hand pattern when wind conditions require take-off and landing to NE (Hampton). Traffic direction and pattern indicated by T on roof of hangar. (5-19)
VIRGINIA: PRESTON GLENN ARPT (LYNCHBURG)-RADIO: At intermittent periods especially during dry weather twr rcvg watches on high freqs impaired by pwr noises. (6-17). Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-8) FLD: Use only rnwys during and after wet weather. Two poles 4200' E of E/W rnwy. (2-7)
QUANTICO MCAS-Closed sunset to sunrise except in emerg. (5-6)
RICHMOND-Elko Aux Fld 5 mi E of Byrd Fld is similar in design and layout to Byrd Fld, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse the two flds.
SHENANDOAH ARPT-N/S strip under const. Grading equip. on fld. Soft in wet weather. NE/SW strip mrkd by cone mrkrs. (3-15)
UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (3-17)
WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (3-7)
WOODRUM FLD (ROANOKE)-RADIO: Twr equipped to transmit on and guard 121.9 mcs for mobile gnd traffic. (5-10). FLD: Ext lcl traffic days. Acft landing without establishing rdo commun with twr must conform to local traffic patterns. Observe twr at all times for lgt gun signals especially on base leg and final approach. Clear rnwy immediately after landing. Mil acft utilizing VHF freq should listen for control twr instructions or observe lgt signals from twr in response to their transmissions. All acft departing should determine proper rnwy and taxi route from twr or opers prior to taxiing. Equip. adj all rnwys. (7-22)
WASHINGTON: SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3, Spokane Sectional and Washington 5 Danger Area Charts).
ARLINGTON AERONAUTICAL SCHOOL ARPT-Unmrkd cable span being erected 11 mi E (78° true). Cable will run N/S between lat 48-13, long. 121-55 on Wheeler Mtn and lat 48-11-30, long. 121-55-00 on Blue Mtn. Cable anchorage levels at approx 2800' on both Mtns and will be approx 1000' above valley floor. Vertical-down-haul will be attached at mid-span terminating at the ground in Jim Creek Valley. Bcn inop. (4-25)
BARRY S SKYHARBOR ARPT (TACOMA)-Right traffic, W take-offs and landings. (3-17)
BELLEVUE AIRFLD (SEATTLE)-Right traffic when landing to S. (3-19)
★BELLINGHAM-RADIO: Stn now gds 3105,4495,6210,3117.5 kcs,116.1,122.1 mcs. (7-31) These data rcvd too late for inclusion on data page.
BELLINGHAM ARPT-Do not taxi off surfaced areas-sodded portions soft. Day traffic controlled by white T center of arpt. (7-30)
BOEING FLD (SEATTLE)-Daylgt CFR opers-lgt acft use mrkd dirt landing strip E side fld adj to main rnwy. Traffic patterns made to E at 1000'. Right traffic when taking off to NE. Flash. amber lgt on twr indicates right pattern in relation to dirt landing strip. All turns, taxiing off or back on dirt area made toward twr. Acft using dirt strip avoid flying over main rnwy or approaches. Watch for air and ground traffic. Lgt gun signals for take-offs and final approaches only. Heavy acft use rnwys, taxi strips. Equip. on fld. All unscheduled acft landing at Boeing Fld must register with County Fld Office, except those who have made other arrangements with fld management. Equip. S of Admin Bldg loading ramp, avoid flagged area. Holes E side main taxiway, N and S of Admin Bldg. (4-4)
BUENA ARPT-Right traffic E take-offs and landings. (3-17)
CLE ELUM ARPT-Right traffic E take-offs and landings. (3-17)
COUNTY-CITY ARPT (PORT TOWNSEND)-Right traffic E take-offs and landings. (3-17)
COUPEVILLE OLF-Closed except in emerg.
EPHRATA ARPT-Wild horses on fld. (7-3)
**EVERETT-RADIO: Rng coordinates: Lat 47-51-19, long. 122-16-08. (6-30)
FELTS FLD (SPOKANE)-Lgt non-rdo equipped acft use mrkd graded area S of main rnwy. Fancher bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. N side rnwy mrkd. Equip. on fld. (4-22)
KELSO ARPT, SITE 61A, SF-SA-Closed ngts. Days all traffic keep to W of red flags mrkg bndrys. Equip. on fld. (7-17)
KENMORE ARPT (BOTHELL)-Avail. emerg use only-cattle. (9-10)
KITSAP CO. ARPT (BREMERTON)-Lgts inop. (5-12)
L & D SEAPLANE ANCHORAGE (PROSSER)-Ramp washed away. Possible to moor plane to existing boat float. Circle arpt lotd 1 mi N for gas truck or fone Prosser 91114. (5-20)

[redacted]: LONGVIEW SKYHARBOR SEAPLANE ANCHORAGE-Right traffic S takeoffs and landings. (3-17)
MARTIN FLD (COLLEGE PLACE)-Const, equip. on strips. Strip 2500' x 150' S side of fld flagged for landing. Taxi strip adj. Center of fld rough and unsafe for landing. (4-29)
★McCHORD FLD (TACOMA)-RADIO: Army rng courses realigned to: 26°,116°,206°,296°. Stn lctn mrkr comm. Courses flgt-checked, correctly aligned. AACS operated HF/DF stn temp suspended until further notice. (4-24) Army VHF/DF stn will be installed soon. (7-25) Army ILS (CAA type) temp inop. Middle mrkr to be relctd and present equip. will be modified. (3-13) FLD: Use rnwys, taxiways only. Equip. on fld. (12-11)
MT. VERNON OLF-Closed except in emerg. Training use rqrs 24 hrs adv notice thru Whidbey Island NAS. Bcn inop. (3-20)
NELSON RIDGE, SITE 6, SA-HL-Soon bcn will be dismantled and relctd at lat 47-11-30, long. 121-01-42, 1-1/2 mi SE of present lctn. After relctn bcn will be re comm with no change in char. (5-13)
OLYMPIA ARPT-Rot. bcn flash. green and yellow used to warn lcl and trans acft of approach of scheduled transport acft. Bcn turned on five minutes before arvl and turned off upon arvl and landing of acft. (12-7)
PAINE FLD (EVERETT)-Lgts inop. (5-29)
PASCO-See Special Notice (first item under state heading).
PIERSON ARPK (VANCOUVER)-Const. Use N E/W strip only. (3-17)
PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-Avail. lgt acft only. (11-26)
PUYALLUP ARPT-Right traffic N takeoffs and landings. (3-17)
S & S AIRSTRIP (PUYALLUP)-Right traffic S takeoffs and landings. (3-17)
SAVAGE FLD (CHENEY)-Moderate soil erosion intermittently. (9-14)
SEATTLE NAS-Single-engine acft approach from Kirkland 1500' descending to 1000' over the stn. Seaplanes approach over Lake Washington from N or S under 200'; landing area lgtd on req between sunset and sunrise. Rnwy 14-32 lgtd 30 minutes prior to arvls and dptrs between sunset and sunrise and on req. Tetrahedron lgtd sunset to sunrise. (5-27)
**SEATTLE-TACOMA ARPT-RADIO: Outer mrkr of CAA ILS now monitored. (7-29) FLD: Bcn, rnwy, ctc and appch lgts on req thru Boeing twr, Seattle. (7-29) See page 142. Equip. on fld days. (5-22)
SPRAGUE ARPT-Entire fld rocky-dangerous. Emerg use only. (5-20)
SUNNYSIDE ARPT-Right traffic, S takeoffs and landings. (3-17)
TONASKET ARPT-Right traffic S or SW takeoffs and landings. (3-17)
WALLA WALLA AAF-RADIO: DF stn will be relctd at Spokane AAF soon. (6-16) FLD: No opers office. Equip. on fld days Mon thru Fri. NE/SW rnwy closed 0800 to 1600 Mon thru Fri. (7-30)
WESTPORT ARPT-Driftwood on fld after extremely high tides. (1-2)
WHIDBEY ISLAND NAS-AULT FLD-Bcn operates during IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. (4-3)
WILBUR ARPT-Taxiway const W side of strip. (4-25)
**[redacted]: BETHANY, BCN SITE 12, CO-PG-Lctd 2 mi SE decomm July 19,1947. (7-19)
BOLLINGER FLD (CHARLESTON)-Lgts on 240' twr Rdo Stn WKNA 5 mi N inop. (7-28).
ELKINS ARPT-Ctc Elkins Rdo or circle fld before landing. (3-14)
HUNTINGTON ARPT-305' twr Rdo stn WHTN being erected 2.1 mi SSE. (7-4)
LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy rains. (4-10)
SCOTT FLD (BECKLEY)-Use right traffic on N course. (4-7)
WHEELING-RADIO: Ctn-visual-aural rng unmonitored. (4-9)
WHEELING-OHIO CO. ARPT-Air Show Aug 10, beginning at 1330 EST. E/W rnwy will be closed to all acft from 1200 until 1600. (7-30)
[redacted]: CAMP McCOY ARPT-Emerg use only-not maintained. (6-12)
CHAPLIN'S ARPK (PLYMOUTH)-Only E/W strip avail. Will continue for approx 4 mos. (7-7)
CLINTONVILLE ARPT-Equip. on fld extending NW/SE rnwy. Use ctn-observe grade stakes NW corner fld. (7-7)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts. (7-7)
EAU CLAIRE MUN. ARPT-Use rnwys only. (7-5)

[redacted]: GEN. MITCHELL FLD (MILWAUKEE)-Equip. on fld days. Right turn procedures rstd to lcly based acft. All acft land according to tetrahedron unless otherwise instructed by twr. All pilots must register in Admin Bldg upon arvl and dptr. Position lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. Ditch extending 150' S of intersection NE/SW, NW/SE rnwys paralleling SE portion NW/SE rnwy for ½ mi. Obst lgt atop 95' chimney SW corner fld inop. Rdo rcvr req for all lcly based acft. NW/SE rnwy and S taxi strip closed until approx Oct 12. (7-12)
GINNOW ARPT (OMRO)-Use strips only. (7-5)
LA CROSSE ARPT-Use rnwys only. (5-23)
MERRILL ARPT-Use rnwys only-soft after heavy rains. (6-3)
MOREY ARPT (MADISON)-Use strips only. (5-19)
RICHLAND FLYING CLUB INC (SEXTONVILLE)-Equip. on fld. (5-5)
SHAWANO ARPT-Soft when wet-use rnwys only. (6-3)
SKY HAVEN ARPT (MILWAUKEE)-Use ctn on S 1/3 portion N/S strip. Stay on strip. (7-1)
STEVENS POINT ARPT-Use rnwys only. (5-23)
THREE LAKES ARPT-Const. (6-13)
TOMAH ARPT-N/S strip under const. Will continue until approx the Fall. (7-7)
TRUAX FLD (MADISON)-Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough. Flood lgts and svcg not avail. 2230 to 0700 daily with the exception of Thurs when flood lgts and svcg not avail. after sunset. Three 257' rdo twrs 11 mi S, lat 42-58-45, long. 89-18-58, temp lgtd. During const, remaining 3 rdo twrs obst lgtd top level. (7-13)
WAUPUN ARPT, new-New arpt under const 2 mi WSW Waupun. Closed to trans acft. (7-5)
WINNEBAGO CO. ARPT (OSHKOSH)-Use rnwys only. All traffic left hand, 600' except E and NE which is right traffic 600'. (7-5)
[redacted]: ★ARCHER-RADIO: FM on E leg of Cheyenne low freq rng decomm July 27.
★CHEYENNE-RADIO: VHF omni-directional rng flgt-checked and placed in oper on test basis. Lctd at lat 41-12-42, long. 104-48-24, approx 194°, 4 mi from stn to Cheyenne Arpt. Freq. 112.3 mcs. Ident. "CX". Voice and monitor equip. not installed. Fac will be interrupted from time to time for adjustments and installation of additional equip. Class: VORW. (7-27). Flgt-checked and correctly aligned. About Aug 8, Hillsdale VHF bone-shaped FM will be comm at lat 41-09-30, long. 104-31-30, 16.2 mi E of Cheyenne low freq rng., ident one dash.
★CHEYENNE ARPT-RADIO: July 26, CAA ILS flgt-checked and comm with voice-equipped lclzr. Transmitter lctd 457' W of the W end of the E/W rnwy at lat 41-09-45, long. 104-49-30. Elev 6149' MSL. Direction of approach to the W. Approach course flyable 60 mi at 7200' MSL. Glide path transmitter lctd 922' W of approach end and 400' S of centerline of E/W rnwy. Glide path intersects outer mrkr at 7500' MSL. Point of contact for Douglas DC-3 acft 500' from approach end of rnwy. See page 34. FLD: Equip. on fld days. Lgtd bldg between E/W rnwy and taxi strip, 1000' from E end. (7-7)
JACKSON MUN. ARPT-Cattle on fld intermittently. (6-13)
RAWLINS ARPT-Equip. on rnwys. (4-17)
ROCK SPRINGS MUN. ARPT-Use rnwys, taxiways only, bal fld unsafe-const. Equip. on fld. Lclzr bldg under const 7' above rnwy, 400' W of W end E/W rnwy, mrkd days, unlgtd ngts. Glide path bldg 400' S and 750' from E end E/W rnwy. (7-21)
SHERIDAN CO. ARPT-N/S rnwy unsafe heavy acft. Taxi strips parallel all rnwys except N/S rnwy and terminate at ramp. Equip. on fld intermittently. Ctc Sheridan rdo for fld lgts. (2-6)
WARDWELL FLD (CASPER)-Use rnwys, taxi strips only, bal fld rough. 40' unlgtd pole erected at 30 million candle pwr ceilometer projector 1000' N of hangar. (4-8)
WORLAND ARPT-Strips under const. Equip. on strips days. Use with ctn. (5-21)

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